



**CSN**  
COLLEGE OF  
SOUTHERN NEVADA



**GENERAL CATALOG**

**STUDENT  
HANDBOOK**

**2018 / 2019**

*Your Future Starts Here!*



# LOCATIONS

**CHARLESTON CAMPUS**  
6375 W. Charleston Blvd.  
Las Vegas, NV 89146  
702-651-5000

**NORTH LAS VEGAS CAMPUS**  
3200 E. Cheyenne Ave.  
North Las Vegas, NV 89030  
702-651-4000

**HENDERSON CAMPUS**  
700 College Dr.  
Henderson, NV 89002  
702-651-3000

**GREEN VALLEY CENTER**  
1560 W. Warm Springs Rd.  
Henderson, NV 89014  
702-651-2659

**MESQUITE CENTER**  
140 N. Yucca St.  
Mesquite, NV 89027  
702-651-1067

**MOAPA VALLEY CENTER**  
2400 N. St. Joseph St.  
P.O. Box 359  
Logandale, NV 89021  
702-398-7545

**NELLIS CENTER**  
4475 England Ave.,  
Suite 318  
Nellis AFB, NV 89191  
702-651-4155

**SAHARA WEST CENTER**  
2409 Las Verdes St.  
Las Vegas, NV 89102  
702-651-4747

**SUMMERLIN CENTER**  
333 S. Pavilion Center Dr.  
Las Vegas, NV 89144  
702-651-4900

**WESTERN CENTER**  
4601 W. Bonanza Rd.  
Las Vegas, NV 89107  
702-651-4800



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[youtube.com/CollegeofSouthernNV](https://youtube.com/CollegeofSouthernNV)



[twitter.com/CSNCoyote](https://twitter.com/CSNCoyote)



[blog.csn.edu](https://blog.csn.edu)

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## DISCLAIMER

The General Catalog and Student Handbook describes current academic programs of study, related opportunities for student learning within those programs of study, course descriptions, degree requirements for the academic year, and certain policies and procedures related to students. The content of this catalog is subject to modification at any time for various reasons including, but not necessarily limited to, changes in college resources or educational plans. The catalog does not constitute a contractual commitment that the College of Southern Nevada (CSN) will offer all the courses or programs of study described, and CSN reserves the right to revise catalog provisions and fees at any time in accordance with the actions of the President, the NSHE, or the Board of Regents. CSN reserves the right to eliminate, cancel, reduce in size or phase out courses, academic programs of study and/or requirements for financial, curricular or programming reasons, and to limit enrollments in specific programs of study and courses.

Each academic department will have the most accurate up-to-date course information; also refer to the online General Catalog and Student Handbook for updated course information. The most current version of CSN Policies are available at [www.csn.edu/policies-procedures](http://www.csn.edu/policies-procedures).

## NONDISCRIMINATION POLICY

The College of Southern Nevada (CSN) is committed to providing a place of work and learning free of discrimination on the basis of race, color, ethnicity, national origin, disability (whether actual or perceived by others), religion, age, sex/gender (including pregnancy related conditions), sexual orientation, gender identity or expression, genetic information, religion, veteran status (military status or military obligations) in the programs or activities which it operates. Where discrimination is found to have occurred, CSN will act to stop the discrimination, to prevent its recurrence, to remedy the effects, and to discipline those responsible.

The following individual has been designated to handle inquiries regarding non-discrimination policies at CSN and is responsible for coordinating compliance efforts concerning, Executive Order 11246, Title VI and Title VII of the Civil Rights Act of 1964, Title IX Educational Amendments of 1972, Title II of the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1990: **Eric Gilliland, Senior Director, Employee Relations, Office of Institutional Equity and Title IX Coordinator**, CSN Charleston Campus, 6375 West Charleston Blvd.; Bldg. E, Office E-411, Las Vegas, NV 89146, Phone: 702-651-7481, Email: [eric.gilliland@csn.edu](mailto:eric.gilliland@csn.edu).

For further information on notice of non-discrimination, you may contact the U.S. Department of Education, Office for Civil Rights at 1-800-421-3481 or visit <http://wdcrobo1p01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the office that serves your area.

Additional information regarding CSN's grievance procedures may be found in the Affirmative Action Plan located on the Affirmative Action web page at [www.csn.edu](http://www.csn.edu) and in Appendix C of CSN's College Catalog.

## PRIVACY OF STUDENTS' PERSONAL INFORMATION

In accordance with its policy and the Family Educational Rights and Privacy Act (FERPA), CSN protects the privacy of students' personal information and academic records. Except under limited circumstances, CSN does not release students' academic records without written consent of the student.

### A. Directory Information

As permitted by FERPA, an exception to non-disclosure is the release of "directory" information considered to be public in nature and not an invasion of privacy. At CSN, the following are defined as "directory" information: name; address; telephone number; participation in officially recognized activities and sports; weight and height of members of athletic teams; email address; degrees, honors, and awards received; major field of study; college; dates of attendance; date of graduation; undergraduate and graduate status; most recent educational agency or institutions attended; and enrollment status (full-time or part-time). Another exception under FERPA is that CSN may share education records, without the student's consent, with the following parties or under the following conditions: college officials with legitimate educational interest; other schools to which a student is transferring; specified officials for audit or evaluation purposes; appropriate parties in connection with financial aid to a student; organizations conducting certain studies for or on behalf of CSN; accrediting organizations; to comply with a judicial order or lawfully issued subpoena, provided CSN makes a reasonable attempt to notify the student in advance of compliance; appropriate officials in cases of health and safety emergencies; and state and local authorities, within a juvenile justice system, pursuant to specific state law.

### B. Request the non-disclosure of "directory" information

Students have the right to request non-disclosure of even "directory" information. CSN uses "directory" information for non-commercial, educational purposes, such as to mail notices to students about changes in policies, services, or opportunities. It is important to consider carefully the potential consequences of restricting the release of your "directory" information. If a student restricts release for non-commercial educational purposes, the institution will be unable to place the student's name in publications such as honors and graduation programs; to confirm graduation and dates of attendance to potential employers; to verify enrollment with organizations such as insurance companies; or to send notifications about specialized scholarships without the express written authorization of the student. "Directory" information may also be provided for commercial purposes to businesses affiliated with CSN, honor societies, CSN's alumni association and Foundation, or other organizations for purposes beneficial to students. CSN exercises discretion in responding to requests for directory information from third parties and may or may not provide such information, depending on the intended purpose of the request and other criteria. CSN does not sell or rent student information for a fee.

If you wish to restrict the release of your directory information, logon to your MyCSN web page and scroll down to the "Personal Information" area. Select "Privacy Settings" from the pull-down menu. The Privacy Settings will list all options; select whichever option you prefer. This directive will apply permanently to your record unless you choose to reverse it in MyCSN.

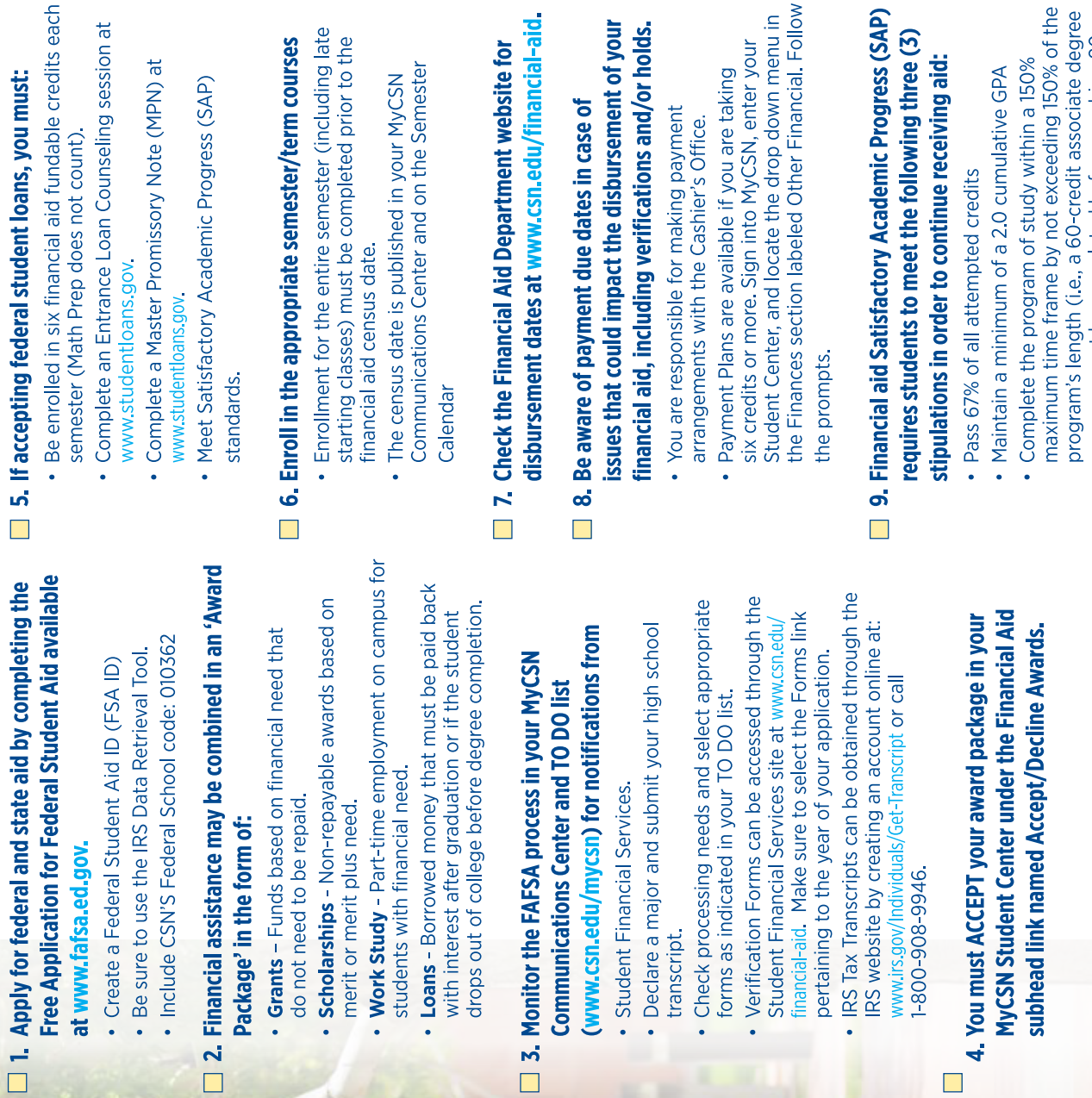
# Enrollment Process

New CSN students pursuing a major must complete the steps below. Detailed information available at [csn.edu/getstarted](http://csn.edu/getstarted).





# Financial Aid Checklist

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- 1. Apply for federal and state aid by completing the Free Application for Federal Student Aid available at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).**
- Create a Federal Student Aid ID (FSA ID)
  - Be sure to use the IRS Data Retrieval Tool.
  - Include CSN'S Federal School code: 010362
- 2. Financial assistance may be combined in an 'Award Package' in the form of:**
- **Grants** - Funds based on financial need that do not need to be repaid.
  - **Scholarships** - Non-repayable awards based on merit or merit plus need.
  - **Work Study** - Part-time employment on campus for students with financial need.
  - **Loans** - Borrowed money that must be paid back with interest after graduation or if the student drops out of college before degree completion.
- 3. Monitor the FAFSA process in your MyCSN Communications Center and TO DO list ([www.csn.edu/mycsn](http://www.csn.edu/mycsn)) for notifications from**
- Student Financial Services.
  - Declare a major and submit your high school transcript.
  - Check processing needs and select appropriate forms as indicated in your TO DO list.
  - Verification Forms can be accessed through the Student Financial Services site at [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid). Make sure to select the Forms link pertaining to the year of your application.
  - IRS Tax Transcripts can be obtained through the IRS website by creating an account online at: [www.irs.gov/Individuals/Get-Transcript](http://www.irs.gov/Individuals/Get-Transcript) or call 1-800-908-9946.
- 4. You must ACCEPT your award package in your MyCSN Student Center under the Financial Aid subhead link named Accept/Decline Awards.**
- 5. If accepting federal student loans, you must:**
- Be enrolled in six financial aid fundable credits each semester (Math Prep does not count).
  - Complete an Entrance Loan Counseling session at [www.studentloans.gov](http://www.studentloans.gov).
  - Complete a Master Promissory Note (MPN) at [www.studentloans.gov](http://www.studentloans.gov).
  - Meet Satisfactory Academic Progress (SAP) standards.
- 6. Enroll in the appropriate semester/term courses**
- Enrollment for the entire semester (including late starting classes) must be completed prior to the financial aid census date.
  - The census date is published in your MyCSN Communications Center and on the Semester Calendar
- 7. Check the Financial Aid Department website for disbursement dates at [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid).**
- 8. Be aware of payment due dates in case of issues that could impact the disbursement of your financial aid, including verifications and/or holds.**
- You are responsible for making payment arrangements with the Cashier's Office.
  - Payment Plans are available if you are taking six credits or more. Sign into MyCSN, enter your Student Center, and locate the drop down menu in the Finances section labeled Other Financial. Follow the prompts.
- 9. Financial aid Satisfactory Academic Progress (SAP) requires students to meet the following three (3) stipulations in order to continue receiving aid:**
- Pass 67% of all attempted credits
  - Maintain a minimum of a 2.0 cumulative GPA
  - Complete the program of study within a 150% maximum time frame by not exceeding 150% of the program's length (i.e., a 60-credit associate degree program must be completed before reaching 90 credits, including developmental, ESL and failed/repeated courses).





# My CSN /Canvas Pocket Guide

## Sign In

### MYCSN LOG-IN

- > Go to the CSN homepage at [www.csn.edu](http://www.csn.edu) and click on Login and then click on the MyCSN link
- > Enter your NSHE ID# and Password – click Sign In button
- > Select the **Enter MyCSN Student Center** link to continue
- > Review your MyCSN Student Center Homepage and check your enrollment date
- > Click the **Enroll** link to begin class search for the available enrollment term

## Search

### HOW TO: SEARCH FOR CLASSES

- > Search for classes by clicking on the “Search For Classes” button. Please note that the current semester will automatically be the default Term. If you are searching for the next semester then click on the down arrow and the next semester will appear.
- > If you know the subject prefix then you can enter it in the box after the **“Select Subject”** box (example, ENG for English). If you are not familiar with subject prefixes then click on the **“Select Subject”** and all subjects are listed in alphabetical order.
- > If you know the course number then enter it in the box, otherwise click Search and the classes under that subject will appear.
  - Do not include the “B” suffix when searching for classes, for example, when searching for “ABDY 101B” type “ABDY 101”
- > Each class will list their **“Status”** (open, closed, waitlist) at the end of each row.
- > Before selecting a course, review the course details (click on the link next to Section)
- > **Select** the course of your choice and then click **Next** to add to your Shopping Cart
- > Repeat previous steps by clicking **Start a New Search** to select additional classes
- > Remember: Selected classes are only in your Shopping Cart... You still need to Enroll

## Enroll

### HOW TO: ENROLL INTO CLASSES

- > To Enroll – click the **Show All** link to review course selections in your Shopping Cart
- > Review your selected courses and click **Enroll** to continue
- > Click the **Finish Enrolling** link to complete your course enrollment process
- > Review the status of your enrollment and click on the **My Schedule** link to continue
- > Click on the **Printer Friendly Page** link to print a copy of your schedule
- > Click on the **“Buy Books”** link for your book list.

## Drop

### HOW TO: DROP A CLASS

- > To drop a class go to your My Class Schedule Page and select the **Drop** tab
- > Click on the **Check Box** next to the course to be dropped
- > Click the **Drop Selected Classes** button and review the class to be dropped
- > Confirm your decision and click the **Finish Dropping** button and review the results
- > Click on the **My Schedule** link to return to your My Class Schedule page

## Canvas

### HOW TO: LOG INTO CANVAS ACCOUNT

- > Go to **CSN’s homepage**
- > Locate the **LOGIN** link at the top right of the homepage and click it.
- > You will be taken to the **DASHBOARD** page.
- > Click the **CANVAS BY INSTRUCTURE** logo.
- > You will be taken to the Canvas Login screen.
- > Enter your **10-digit NSHE ID number** in the **Canvas ID box**.
- > Use the same password as you do for your CSN Network account. If you do not have one you can activate at this time.
- > Then, click on the **Log in** box.
- > You will be taken to your **Canvas dashboard** page.
- > To access your courses in Canvas, locate the **COURSES** link in the blue bar on the left side of the screen and click it.





IMPORTANT DATES CALENDAR FALL 2018	16 Week Aug.27-Dec.16	8 Week-1st Aug.27-Oct.21	8 Week-2nd Oct. 22-Dec.16	4 Week-1st Aug.27-Sept.23	4 Week-2nd Sept.24-Oct.21	4 Week-3rd Oct.22-Nov.18	4 Week-4th Nov.19-Dec.16
First day to apply for Instate residency for fall 2018	4/2/18	4/2/18	4/2/18	4/2/18	4/2/18	4/2/18	4/2/18
Priority online registration for currently enrolled students only	4/30 to 5/18	4/30 to 5/18	4/30 to 5/18	4/30 to 5/18	4/30 to 5/18	4/30 to 5/18	4/30 to 5/18
First day to submit Excess Credit Fee appeal for fall 2018	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18
First day to submit Academic Suspension appeal for fall 2018	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18	5/1/18
Open online registration for all admitted students	5/19 to 9/2	5/19 to 8/26	5/19 to 10/21	5/19 to 8/26	5/19 to 9/23	5/19 to 10/21	5/19 to 11/18
Independence Day Holiday	7/4/18	7/4/18	7/4/18	7/4/18	7/4/18	7/4/18	7/4/18
First day to apply for fall 2018 graduation	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18	7/16/18
Last day to submit SAP appeal for fall 2018	7/20/18	7/20/18	7/20/18	7/20/18	7/20/18	7/20/18	7/20/18
Last day to apply for in-state residency for fall 2018	8/3/18	8/3/18	8/3/18	8/3/18	8/3/18	8/3/18	8/3/18
Payment due by 11:59 p.m. for early registration	8/6/18	8/6/18	8/6/18	8/6/18	8/6/18	8/6/18	8/6/18
Financial Aid disbursement begins	8/20/18	8/20/18	10/15/18	8/20/18	9/17/18	10/15/18	11/12/18
Last day to submit appeal for Academic Suspension for fall 2018	8/10/18	8/10/18	8/10/18	8/10/18	8/10/18	8/10/18	8/10/18
Last day to register by 11:59 p.m.	9/2/18	8/26/18	10/21/18	8/26/18	9/23/18	10/21/18	11/18/18
First day of instruction	8/27/18	8/27/18	10/22/18	8/27/18	9/24/18	10/22/18	11/19/18
Last day for a 100% refund	9/2/18	8/26/18	10/21/18	8/26/18	9/23/18	10/21/18	11/18/18
Financial Aid Census Date	9/2/18	9/2/18	9/2/18	9/2/18	9/2/18	9/2/18	9/2/18
Labor Day Holiday	9/3/18	9/3/18	9/3/18	9/3/18	9/3/18	9/3/18	9/3/18
Last day for a 50% refund	9/9/18	8/29/18	10/24/18	8/29/18	9/26/18	10/24/18	11/21/18
Last day to drop a class WITHOUT a grade of W	9/9/18	8/29/18	10/24/18	8/29/18	9/26/18	10/24/18	11/21/18
Last day to apply for fall 2018 graduation	10/5/18	10/5/18	10/5/18	10/5/18	10/5/18	10/5/18	10/5/18
Last day to submit via MyCSN Non-Disclosure Directory information	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18
Last day to submit Excess Credit Fee Appeal for fall 2018	10/15/18	10/15/18	10/15/18	10/15/18	10/15/18	10/15/18	10/15/18
Nevada Day Holiday	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18	10/26/18
60% point for R2T4 (full term classes only)	11/2/18	N/A	N/A	N/A	N/A	N/A	N/A
Last day to change from credit to audit	11/2/18	9/28/18	11/28/18	9/12/18	10/10/18	11/7/18	12/7/18
Last day to drop a class WITH a grade of W	11/4/18	9/30/18	11/28/18	9/12/18	10/10/18	11/7/18	12/7/18
Last day to submit fall only loan request to financial aid	11/9/18	11/9/18	11/9/18	11/9/18	11/9/18	11/9/18	11/9/18
Veterans Day Holiday	11/12/18	11/12/18	11/12/18	11/12/18	11/12/18	11/12/18	11/12/18
Thanksgiving Break	11/22-11/23	11/22-11/23	11/22-11/23	11/22-11/23	11/22-11/23	11/22-11/23	11/22-11/23
Last day of instruction	12/16/18	10/21/18	12/16/18	9/23/18	10/21/18	11/18/18	12/16/18
Grades are due from instructors	12/19/18	10/24/18	12/19/18	9/26/18	10/24/18	11/21/18	12/19/18



IMPORTANT DATES CALENDAR SPRING 2019	16 Week Jan.22-May 19	8 Week-1st Jan.22-Mar.17	8 Week-2nd Mar.18-May.19	4 Week-1st Jan.22-Feb.17	4 Week-2nd Feb.19-Mar.17	4 Week-3rd Mar.18-Apr.14	4 Week-4th Apr.22-May 19
First day to apply for spring 2019 graduation	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18	10/12/18
First day to apply for instate residency for spring 2019	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18
First day to submit Excess Credit Fee appeal for spring 2019	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18
First day to submit Academic Suspension appeal for spring 2019	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18	11/01/18
Priority online registration for currently enrolled students only	11/1 to 11/20	11/1 to 11/20	11/1 to 11/20	11/1 to 11/20	11/1 to 11/20	11/1 to 11/20	11/1 to 11/20
Open online registration for all admitted students	11/21 to 1/28	11/21 to 1/21	11/21 to 3/17	11/21 to 2/21	11/21 to 2/18	11/21 to 3/17	11/21 to 4/21
Last day to submit SAP appeal for spring 2019	12/07/18	12/07/18	12/07/18	12/07/18	12/07/18	12/07/18	12/07/18
Christmas Day (observed)	12/25/18	12/25/18	12/25/18	12/25/18	12/25/18	12/25/18	12/25/18
Last day to submit instate residency application for spring 2019	12/28/18	12/28/18	12/28/18	12/28/18	12/28/18	12/28/18	12/28/18
New Year's Day (observed)	1/1/19	1/1/19	01/01/19	1/1/19	01/01/19	01/01/19	01/01/19
Payment due by 11:59 p.m. for early registration	1/8/19	1/8/19	1/8/19	1/8/19	1/8/19	1/8/19	1/8/19
Last day to submit Academic Suspension appeal for spring 2019	1/11/19	1/11/19	1/11/19	1/11/19	1/11/19	1/11/19	1/11/19
Financial Aid disbursement begins	1/15/19	1/15/19	3/18/19	1/15/19	2/12/19	3/18/19	4/15/19
Martin Luther King's Day	1/21/19	1/21/19	1/21/19	1/21/19	1/21/19	1/21/19	1/21/19
First day of instruction	1/22/19	1/22/19	3/18/19	1/22/19	2/19/19	3/18/19	4/22/19
Last day to register by 11:59 p.m.	1/28/19	1/21/19	3/17/19	1/21/19	2/18/19	3/17/19	4/21/19
Last day for a 100% refund	1/28/19	1/21/19	3/17/19	1/21/19	2/18/19	3/17/19	4/21/19
Financial Aid Census Date	1/28/19	1/28/19	1/28/19	1/28/19	1/28/19	1/28/19	1/28/19
Last day for a 50% refund	2/4/19	1/24/19	3/20/19	1/24/19	2/21/19	3/20/19	4/24/19
Last day to drop a class WITHOUT a grade of W	2/4/19	1/24/19	3/20/19	1/24/19	2/21/19	3/20/19	4/24/19
President's Day Holiday	2/18/19	2/18/19	2/18/19	2/18/19	2/18/19	2/18/19	2/18/19
Last day to apply for spring 2019 graduation	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19
Last day to submit via MyCSN Non-Disclosure Directory information	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19	3/1/19
Last day to submit Excess Credit Fee appeal for spring 2019	3/15/19	3/15/19	3/15/19	3/15/19	3/15/19	3/15/19	3/15/19
60% point for R2T4 (full term classes only)	3/22/19	N/A	N/A	N/A	N/A	N/A	N/A
Last day to change from credit to audit	3/29/19	2/22/19	3/29/19	2/6/19	3/6/19	4/3/19	5/8/19
Last day to drop a class WITH a grade of W	3/30/19	2/22/19	3/29/19	2/6/19	3/6/19	4/3/19	5/8/19
Spring Break	4/15-4/21	4/15-4/21	4/15-4/21	4/15-4/21	4/15-4/21	4/15-4/21	4/15-4/21
Last day to submit spring only loan request to financial aid	4/22/19	4/22/19	4/22/19	4/22/19	4/22/19	4/22/19	4/22/19
Last day of instruction	5/19/19	3/17/19	5/19/19	2/17/19	3/17/19	4/14/19	5/19/19
Commencement	5/20/19	5/20/19	5/20/19	5/20/19	5/20/19	5/20/19	5/20/19
Grades are due from instructors	5/22/19	3/20/19	5/22/19	2/20/19	3/20/19	4/17/19	5/22/19
Memorial Day Holiday	5/27/19	5/27/19	5/27/19	5/27/19	5/27/19	5/27/19	5/27/19





IMPORTANT DATES CALENDAR SUMMER 2019					
	4 Week - 1st June 3-June 30	4 Week - 2nd July 1-July 28	6 Week June 3-July 14	8 Week June 3-July 28	10 Week June 3-Aug.11
First day to apply for summer 2019 graduation	3/11/19	3/11/19	3/11/19	3/11/19	3/11/19
Priority online registration for currently enrolled students only	4/1 to 4/18	4/1 to 4/18	4/1 to 4/18	4/1 to 4/18	4/1 to 4/18
First day to submit Excess Credit Fee appeal for summer 2019	4/2/19	4/2/19	4/2/19	4/2/19	4/2/19
First day to submit Academic Suspension appeal for summer 2019	4/2/19	4/2/19	4/2/19	4/2/19	4/2/19
Open online registration for all admitted students	4/19 to 6/2	4/19 to 6/30	4/19 to 6/2	4/19 to 6/2	4/19 to 6/2
Last day to submit SAP appeal for summer 2019	4/19/19	4/19/19	4/19/19	4/19/19	4/19/19
Payment due by 11:59 p.m. for early registration	5/13/19	5/13/19	5/13/19	5/13/19	5/13/19
Last day to submit Academic Suspension appeal for summer 2019	5/24/19	5/24/19	5/24/19	5/24/19	5/24/19
Memorial Day Holiday	5/27/19	5/27/19	5/27/19	5/27/19	5/27/19
Financial Aid disbursement begins	5/28/19	6/24/19	5/28/19	5/28/19	5/28/19
Last day to register by 11:59 p.m.	6/2/19	6/30/19	6/2/19	6/2/19	6/2/19
Last day for a 100% refund	6/2/19	6/30/19	6/2/19	6/2/19	6/2/19
Financial Aid Census Date	6/2/19	6/2/19	6/2/19	6/2/19	6/2/19
First day of instruction	6/3/19	7/1/19	6/3/19	6/3/19	6/3/19
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Last day to drop a class WITHOUT a grade of W	6/5/19	7/3/19	6/5/19	6/5/19	6/5/19
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Last day to change from credit to audit	6/19/19	7/17/19	6/28/19	7/5/19	7/12/19
Last day to drop a class WITH a grade of W	6/19/19	7/17/19	6/28/19	7/5/19	7/12/19
Last day of instruction	6/30/19	7/28/19	7/14/19	7/28/19	8/11/19
Grades are due from instructors	7/3/19	7/31/19	7/17/19	7/31/19	8/14/19
Independence Day Holiday	7/4/19	7/4/19	7/4/19	7/4/19	7/4/19
Last day to submit summer only loan request to financial aid	7/12/19	7/12/19	7/12/19	7/12/19	7/12/19
Last day to apply for summer 2019 graduation	7/12/19	7/12/19	7/12/19	7/12/19	7/12/19
Last day to submit via MyCSN Non-Disclosure Directory information	7/12/19	7/12/19	7/12/19	7/12/19	7/12/19
60% point for R2T4 (full term classes only)	N/A	N/A	N/A	N/A	7/15/19



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## NEVADA SYSTEM OF HIGHER EDUCATION (NSHE)

The Nevada State Constitution provides for the control of the NSHE to be vested with the Board of Regents. The Nevada System of Higher Education includes The University of Nevada, Las Vegas (UNLV); The University of Nevada, Reno (UNR); The Desert Research Institute (DRI); Nevada State College (NSC); Great Basin College (GBC); Western Nevada College (WNC); Truckee Meadows Community College (TMCC) and the College of Southern Nevada (CSN). CSN operates three main campuses and other academic centers in Clark County.

### MISSION

The College of Southern Nevada creates opportunities and enriches lives with inclusive learning and working environments that support diversity and student success. The College fosters economic development, civic engagement, and cultural and scientific literacy, while helping students achieve their educational, professional, and personal goals.

### Vision Statement

The College of Southern Nevada is recognized as a leader among community colleges in fostering student success.

CSN is committed to:

**Exceptional Learning Environments**, which integrate career and liberal arts education, to shape well rounded, engaged citizens, employees, and community leaders.

**Developing Solution-Oriented Strategies** to help students overcome barriers to educational access and success.

**A Culture of Accountability** in which we balance data-informed decision making with flexibility and responsiveness to stakeholders, individuals, and events.

**A Collegial Work Environment** that makes CSN the “employer of choice” for an exceptional workforce that is engaged in and accountable for the quality of CSN’s learning environment, and benefits from excellent support, growth opportunities, and competitive total compensation packages.

**Quality Community Partnerships** that provide resources and educational opportunities to develop a skilled workforce.

**Cultural and Academic Initiatives** that promote the advancement and appreciation of the arts, sciences, and humanities, contributing to the richness of our multicultural community.

**Environmental stewardship** and public awareness of risks and opportunities for sustainability.

**Resource Development, Operational Efficiencies, and State-of-the-art Technology** that support an innovative and exemplary learning and working environment.

### Values Statement

CSN values the following::

- **Lifelong Learning:** CSN values a broad-based education because a diverse foundation of knowledge empowers creative thinking, problem solving, and innovation.

- **Excellence:** CSN understands that achieving and surpassing our goals requires care, commitment and quality, in teaching, learning, scholarship, service, and administration.
- **Integrity:** CSN places fairness, honesty, transparency and trust at the center of all policies and operations.
- **Inclusion:** CSN embraces diversity because it heals social division and injustice, and promotes creativity, growth and critical thinking through the integration of many different perspectives.
- **Academic Freedom:** CSN values freedom of thought and speech because open minds and uninhabited discussion are fundamental to teaching, learning and responsible civic engagement.
- **Connectedness:** CSN builds a collective identity through shared governance, effective communication, and collaboration among students, faculty, staff and community members.

### ACCREDITATION

The College of Southern Nevada is accredited by the Northwest Commission on Colleges and Universities.

Accreditation of an institution of higher education by the Northwest Commission on Colleges and Universities indicates that it meets or exceeds criteria for the assessment of institutional quality evaluated through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the Northwest Commission on Colleges and Universities is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding an institution’s accredited status by the Northwest Commission on Colleges and Universities should be directed to the administrative staff of the institution. Individuals may also contact:

#### Northwest Commission on Colleges and Universities

8060 165th Avenue N.E., Suite 100  
Redmond, WA 98052 (425) 558-4224

[www.nwccu.org](http://www.nwccu.org)

Accreditation by the Northwest Commission on Colleges and Universities refers to the institution as a whole. Therefore, statements like “fully accredited” or “this program is accredited by the Northwest Commission on Colleges and Universities” or “this degree is accredited by the Northwest Commission on Colleges and Universities” are incorrect and should not be used.

### ASSESSMENT OF STUDENT LEARNING

CSN uses a continuous assessment cycle of planning and reporting to assure student learning is occurring and program curricula are evidence-based and effective. To assure that programs at CSN are effective and that students completing programs of study at CSN are attaining the established levels





of knowledge and skills, the faculty and staff of CSN have developed ongoing processes to assess the learning and academic achievement of students completing these programs.

Periodically during their courses of study, CSN students may be asked to participate in tasks where they demonstrate the breadth and depth of their ability, indicate levels of satisfaction with services provided, and appraise their learning experience. Students nearing completion of their programs of study at CSN should expect to participate in a wide range of activities and measures to assess learning achieved in their degree and certificate programs. Meaningful evidence of students learning and student services program goals will be analyzed and used for program improvement, assure student success, and contribute to institutional effectiveness. Alumni may be asked to communicate their views about CSN programs in the context of their life experiences and careers since graduation. Employers also may be asked to indicate the attributes needed and expected from CSN graduates, to evaluate how effective CSN programs have been in preparing students to meet workforce needs.

CSN faculty and staff must assure that students gain the requisite learning from their programs of study at CSN, and that these programs continue to meet high standards of excellence.



## GREEN EFFORTS

CSN’s recognition of its role in the community and its commitment to be responsible stewards of the environment is an important aspect of the college’s core values. Efforts began in 2007-2008 with a grant from the Student Government. The faculty Senate Environmental Strategies Committee began the initial efforts to incorporate recycling into the daily life of students, faculty and staff at CSN.

CSN has increased activities and initiatives designed to reduce the college’s carbon footprint and to establish itself as a leader of sustainable practices. These activities include:

### Print Wise Print Management System

In an effort to save natural and fiscal resources, CSN has implemented the Print Wise System to manage computer lab and classroom printing. The system encourages students to “print wise,” by raising awareness of the costs associated with unnecessary printing, and reduce the waste of toner and paper products. This policy saved an estimated 1.2 million pages from

being printed in the open computer labs in the fall 2011 semester alone. Overall, student printing has been reduced by 40-60% each semester. The Print Wise System will automatically apply a \$10 printing credit to each student network (Active Directory) account that will provide the equivalent of 200 free black and white pages at 5 cents per page, or 40 color pages at 25 cents per page. Once that print quota is reached, students will need to purchase prints at the same rate by adding money to their accounts online using a debit or credit card, or pay cash at any CSN Cashier’s Office. For more information visit <https://at.csn.edu/printwise>.

### Solar Panels/Alternative Energy

Working with Nevada Energy’s Solar Generations Program, CSN has been able to install solar panels at all three of our campuses. These installations have been completed over several years, and we currently have: 159 Kw at West Charleston, 208 Kw at North Las Vegas and 84 Kw at Henderson. With the construction of these solar panels, we have received \$1,250,000 in solar panel rebates from Nevada Energy. This money has helped contribute to the funding of the construction of these panels, and in some instances, paid for the installation completely. In addition, solar parking lot lighting has been installed at Henderson campus to avoid running costly electrical cables and we currently have a solar panel on our Planetarium sign at the North Las Vegas campus. All of these solar panels have helped to significantly reduce our electrical bills each year.

### Recycling

In 2015, a Sustainability Work Group Committee was formed, comprised of students, faculty and staff to develop and implement a recycling program that would encourage recycling practices as well as lower our waste disposal expense and eventually reap the rewards of the effort; revenue from the recycling program.

The Facilities Management Operations Department assumed the helm of the program and began Public Service Announcements on the ICS Monitors throughout the college. Designated containers for recyclables and trash, posters were posted at each recycle station illustrating items for disposal of each type of “throw-away”.

A relationship with a locally owned Waste Management Company was established and with their help, CSN realized a \$22,000 savings during the first 5 months by adjusting the pick-up schedules and replacing the “One size fits all” dumpster to the more suitable receptacle. We have developed a procedure for the destruction of sensitive materials that include documentation certifying the shredding of contents of the secure bins.

### Water Conservation

Facilities Management has converted grassy areas to drought resistant landscaping. Currently there are three remaining areas that contain grass and development of an equally attractive plan is in the design phase and as funding is appropriated. The plan will become a visual reality.

Our automated irrigation systems are being upgraded and are monitored with a smart website that reports by to our Grounds Project Manager when repairs are required and how much water is required in specific areas, adjusting for any precipitation that may have occurred in a 24 hour cycle.



Hydration Station have been installed at each campus. These stations dispense filtered water into the user's personal vessel; eliminating the use of disposable cups. The Custodial Services staff, who also replace the filters at the recommended interval, maintain the stations.

## Use of Green Cleaning Products

100% of the cleaning products the college utilizes are Green Seal and/or Green Guard certified. Custodial Services uses the most effective materials to maintain a sanitary environment to students, faculty, and staff; using reusable mops, microfiber rags and micro-fiber dust mops. Automatic dispensing units for cleaning solutions are located in each custodial closet; dispensing the recommended ratio of product to water. The College uses paper towels with 40% recycled content, toilet seat covers with 100% recycled paper, and toilet paper with 100% recycled paper.

## THE CSN EMERGENCY NOTIFICATION SYSTEM (ENS)

The ENS is intended to provide members of the campus community immediate information in the event of a major crisis or emergency (e.g. fire on campus, natural disaster, or criminal activity).

This system instantly delivers to you important emergency alerts, notifications, and updates to any device(s) you select (e.g. email account, cell phone, pager, etc.). ENS is your personal connection to real-time updates including instructions in case of an emergency.

Once you have logged into this application, you will be able to provide emergency contact information that the College can use to contact you in the event of an emergency. **Access to this system is available only to currently enrolled students as well as currently employed faculty and staff. Once you have enrolled, your notification will be activated within 24 hours.**

To sign up for ENS alerts, go to [www.e2campus.net/my/csn/index.htm](http://www.e2campus.net/my/csn/index.htm). It only takes a few minutes to activate your ENS account. **Please note your CSN email account must be activated prior to ENS activation**

## CSN FOUNDATION

The CSN Foundation is a non-profit organization committed to securing private funds and cultivating friends and community partners to support CSN students.

You can support the college and its mission by contributing to the CSN Foundation. Your gifts are tax deductible and help CSN change lives and build bright futures. To learn more about the CSN Foundation, please call 702-651-7301 or visit our web page at [www.csn.edu/foundation](http://www.csn.edu/foundation).

## CAMPUSES

### Charleston Campus

The Charleston Campus is located at 6375 West Charleston Boulevard is located in Las Vegas and houses the President, upper administration, and Human Resources for CSN. Programs supported at Charleston include: the Veterans' Educational Center, a Dental Clinic, Mojave Mental Health Services, cardiorespiratory,

nursing, and many other health-related programs. This campus is also home to Nevada Public Radio station KNPR. New solar panels showcase one of CSN's green initiatives.

### North Las Vegas Campus

The North Las Vegas Campus is located at 3200 East Cheyenne Avenue in North Las Vegas. The centralized student services area makes easy access to critical support areas. Major programs supported at North Las Vegas include: Transportation Technology, Cisco Systems, Culinary Arts (producing gold and silver medal winners in numerous national competitions), Automotive Service Education, the Planetarium, and the Nicholas Horn Performing Arts Center, hosting hundreds of college and community events each year. New solar panels showcase one of CSN's green initiatives.

### Henderson Campus

The Henderson Campus is located at 700 College Drive in Henderson. Students can take general education courses and specialized classes in fields such as aviation and welding. This campus is home to the Morse Stadium and Lied Baseball Complex and used by CSN's national championship baseball. The campus is also home to a new softball field for the women's softball team. New solar panels showcase one of CSN's green initiatives.

### Green Valley High Tech Center

The Leslie and Joan Dunn Center at 1560 West Warm Springs Road is located next to Green Valley High School. The center provides core general education classes as well as EMT Training classes and is supported by a computer lab, smart classroom, and specialized labs. The center also provides support to the local community through Division of Workforce and Education non-credit classes.

### Mesquite Center

The Mesquite Center located at 140 North Yucca Street includes a computer lab, phlebotomy lab, certified nursing assistant lab, and 2 smart classrooms. General Education classes are provided, as well as a variety of customized training options. Jumpstart dual credit classes are also offered to the local high school students.

### Moapa Valley Center

The Moapa Valley Center is located at 2400 North St. Joseph Street, at Moapa Valley High School. The center provides General Education classes, online course support, a computer lab, dual credit for high school students through the Jumpstart Program as well as courses for lifelong learners and degree/transfer-seeking students.

### The Nellis Center

The U.S. Air Force contracts with the College of Southern Nevada to provide classes on base that satisfy requirements for the Community College of the Air Force (CCAF) degree. It services active duty personnel, reservists, family members, retirees, DOD personnel and some civilians to maximize space utilization.

### Sahara West Center

The Sahara West Center, located on the Northwest corner of Sahara and Valley View, is the hub for multiple programs with classes that can be taken as a standalone or as a bridge from program to program. Programs housed in this location include:



the Adult Literacy and Language Program, which provides classes for English as a Second Language (ESL) and High School Equivalency (HSE) preparation; the Algebra Refresher Program, for those who need a refresher in mathematical concepts before taking credit-based classes; the Healthcare and American Heart Association (AHA) Training Center classes, which provide continuing education for medical professionals along with entry-level occupational programs such as Home Care Aide, Dialysis, and Health Unit Coordinator classes; Community and Personal Enrichment classes ranging from marketing, security, and baking to computer basics and web design; and the CSN Assessment Center, which provides access to WorkKeys and HSE assessments.

### **Summerlin High Tech Center**

The Bob and Sandy Miller High Tech Center is located at 333 South Pavilion Center Drive next to Palo Verde High School. It is home to the Ornamental Horticulture/Floral Design and Construction Management Programs, and partners with the Clark County School District to provide Jumpstart programming for Palo Verde High School students. The site is supported by a computer lab, smart classrooms, and student services.

### **Western High Tech Center**

The William and Dorothy Raggio High Tech Center, is located at 4601 West Bonanza Road, next to Western High School. It provides general and transfer courses, workforce training, Clark County School District program classes, community events, and is home to the new HVAC Center of Excellence, and the CSN MyCSN Call Center. The site is supported by smart classrooms, offices, and student services.





## ADMISSION INFORMATION

### General Policy

CSN is an open access institution and any adult can apply for admission and enroll in classes. Students wishing to enroll at CSN must complete an admission application, which includes a \$20.00 non-refundable fee. The admission application are broken down by category; To apply to the College of Southern Nevada go to our website at [www.csn.edu](http://www.csn.edu), click on “Apply.” Once you have been admitted you will receive two emails, one with your student number (Nevada System of Higher Education (NSHE) ID) and a second one with information on how to activate your student account. The admission notification will provide the next steps of the enrollment process.

### New Degree-Seeking Student

Those applicants who are specifically seeking a degree or certificate of achievement and are applying for federal financial aid must have a high school diploma recognized by the Department of Education from their respective state of graduation, its equivalent, or be a qualified international student to be admitted to CSN. Please contact a CSN Testing Center at [www.csn.edu/testing](http://www.csn.edu/testing) for information about GED test, High School Equivalency (HSE) test preparation, as well as the alternative HiSET test, is offered at CSN through the Division of Workforce and Economic Development [www.csn.edu/workforce-development](http://www.csn.edu/workforce-development).

- High school students who are 16 years old, and are juniors or seniors, may be admitted and may enroll at CSN, subject to the approval of appropriate high school and college officials. Non Degree-Seeking Students – Personal Enrichment – students that are not seeking a degree but are interested in taking classes for personal enrichment or career skill enhancement. Students under this category will not be eligible for financial aid, or veteran benefits.
- Apprenticeship Students- students selected by the registered apprenticeship programs
- International Students- international students who need a CSN-I-20 to obtain an F-1 visa.
- Veteran Students- students that previously were in active duty in the armed forces. .05

The Board of Regents of the Nevada System of Higher Education (NSHE) mandates that CSN must randomly select 10% of all newly admitted students to verify high school or GED/HiSET completion every semester. Students that do not respond to the high school diploma/GED/HiSET verification audit will be changed from Degree Certificate-Seeking (DCS) to Degree-Seeking Non- Financial Aid Eligible (DGNFA) effective the following semester.

Admission to CSN implies general admission only and does not constitute admission to programs designated as limited entry. Acceptance to limited entry programs will be contingent upon fulfillment of conditions specified by the requirements of each program. Admission to CSN does not guarantee financial aid eligibility. Current federal, state and institutional regulations and policies regarding financial aid and eligibility requirements are available at [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid).

## STUDENT TYPE

### Transfer Student

#### Transferring From Another Institution

Transfer students may request that all previously attended schools, colleges and universities send official copies of their transcripts to the Office of the Registrar. CSN only accepts transfer credits from regionally accredited institutions. The accreditation of the institution and the listing published in the AACRAO Transfer Credit Practices for the year in which the applicant attended a specific institution governs the acceptance of transfer credit. The number of credits awarded will be determined by the college rating and the guidelines that follow:

- The Office of the Registrar evaluates transcripts from other institutions upon receipt and determines which credits may be applied towards a CSN degree or certificate. Students will be notified via email once the transcripts have been received.
- Students must have an official transcript mailed or hand carried and unopened to the Office of the Registrar.
- To meet graduation requirements, a transfer student must complete the appropriate 15 credit hours in residence for an Associate of Arts, Associate of Business and Associate of Science within the degree. Associate of Applied Science and Certificate of Achievement degrees require that the 15 in-residence requirements must be in the Special Program Requirement area.
- Generally, a maximum of sixteen Non-Traditional Education (NTE) credits of can be applied toward the Bachelor of Science (BAS), Associate of General Studies (AGS), or Associate of Applied Science (AAS) and a maximum of eight NTE credits can be applied toward the Certificate of Achievement (CA). However, there is an opportunity to exceed the foregoing limit through application to and approval from the Vice President of Academic Affairs, in addition to the regular approval process.
- Grades of D+, D, and D- cannot be used to fulfill major occupational area Special Program Requirements in Associate of Applied Science degrees or Certificate of Achievement.
- Once all official transcripts have been received, allow up to four weeks for processing.
- Students will be notified via email once the transfer credit evaluation is completed. The official evaluation report will be available on MyCSN under Transfer Credit Report.

### Current High School Student

CSN offers a number of special programs for qualified high school students. Some programs allow high school students to earn both high school and college credit simultaneously. High school students should check with their school counselor regarding necessary enrollment forms. Unless students are 18 years old, parental permission is required for all programs. Many programs require that students pay college tuition or take a placement test. Special programs for high school students include:

**College of Southern Nevada High School:** This CCSD dual credit program provides juniors and seniors the opportunity to attend high school on our college campuses. Students take their core high school classes with high school instructors while pursuing any of the CSN degree programs at the same time.



Students graduate from Clark County School District with all of the available diploma opportunities and have the opportunity to earn an Associate's Degree. This is an application program with a limited enrollment on each campus site.

**CTE College Credit** – CTE College Credit is a program that provides students the opportunity to apply for college credit within approved and articulated high school CTE (career and technical education) programs at no cost—FREE. CTE programs are a sequence of high school elective classes (generally three years), taught at the high school, by high school teachers, following high school curriculum.

There are over 40 CTE programs approved for CSN college credit. The articulated credit granted is designed to give students a head start on their pathway towards completing requirements within an industry certification, CSN certificate of achievement or CSN associates degree, or transfer credit. CTE College Credit allows students to save money and time by not having to repeat similar college coursework, and places them one-step closer to postsecondary program completion.

To qualify for CTE College Credit, students must:

- Earn a 3.0 GPA in an articulated CTE program sequence;
  - Example: Criminal Justice I, Criminal Justice II, and Criminal Justice III
- Pass the State End-of-Program Assessment; and
- Pass the State Workplace Readiness Assessment.

For complete program information please visit the program webpage at [www.csn.edu/CTE](http://www.csn.edu/CTE).

**Jumpstart Concurrent Enrollment Program:** The Jumpstart Concurrent Enrollment Program is a high school partnership with CSN which gives high school juniors and seniors an opportunity to take 100-level-college classes for credit, on their high school site, from their college certified high school instructor for a reduced fee of \$50.00 per course, plus a **\$6.50** per credit technology fee. The student's registration application fee is waived. Jumpstart students are eligible for ALL college services for FREE to include but not limited to; in-depth academic planning, counseling, student advising, on-line services, tutoring, writing resource center, career exploration and planning and study skills instruction. The Jumpstart Concurrent Enrollment office is located in the Academic Partnership Division at 303 South Water Street, Henderson, Nevada 89015, and can be reached by calling 702-651-3523 and 702-651-3179 or login into [www.csn.edu/jumpstart](http://www.csn.edu/jumpstart).

## International Student Services

The International Center assists international students in achieving their academic goals by providing accessible services with supportive and culturally-sensitive professional staff. We provide students with admission information, application assistance, orientation, academic and personal counseling, college success skills education, and immigration regulation advising. All first semester international students are required to register for classes with guidance from an international student academic counselor, and attend a five week international student success class.

### Contact Information:

Address: 6375 West Charleston Blvd. Bldg. D, Room 106,  
Las Vegas, NV 89146  
Phone: 702-651-5820; Email: [inquiry@csn.edu](mailto:inquiry@csn.edu);  
Website: [www.csn.edu/ic-home](http://www.csn.edu/ic-home).

**Immigration Compliance:** The College of Southern Nevada (CSN) is a SEVP registered institution under the regulations governed by the Department of Homeland Security. As such, CSN is mandated to monitor and report the status of its F-1 enrolled students every 21 days. Under 8CFR214, CSN's Designated School Officials are required to notify F-1 international students of the following requirements necessary to maintain their student visa status:

1. International students must maintain a minimum of 12 credits hours each semester unless otherwise authorized by a DSO.
2. International students must make progress toward their officially declared program by:
  - a. Successfully completing their declared program of study within the programs dates stated on their I-20 Eligibility Certificate.
  - b. Students who register for courses that are more than 30% outside of their established degree program are considered NOT to be making progress.
3. In accordance with the Academic Probation and Suspension Policy, international students must maintain a minimum cumulative GPA of 2.0. Students who are suspended may be subject to termination of their immigration status.
4. International students must report changes in address and major to a DSO within 10 days of the change.

**International Student Admission:** CSN welcomes students from around the world to apply for admission through the International Center. The following is a list of CSN's four international admission options and the minimum English proficiency score required for admission.

**Degree Program** - TOEFL iBT 61 (or TOEFL equivalent)

**Certificate Program** - TOEFL iBT 61

**Pathway Program** - TOEFL iBT 52

**ESL Program** - no English proficiency test score required

**Application Process:** To apply for admission, students must submit the following:

1. International Student Application, completed, signed and dated.
2. A non-refundable application fee of \$45. \$25 due at time of application and \$20 due at time of enrollment.
3. Proof of English Proficiency

PROOF OF ENGLISH PROFICIENCY*	MINIMUM SCORE FOR CERTIFICATE OR DEGREE PROGRAMS	MINIMUM SCORE FOR PATHWAY AND VISITING STUDENT PROGRAMS	MINIMUM SCORE FOR ESL PROGRAM
TOEFL iBT	61	52	Not required
IELTS	6.0	5.5	Not required

\*TOEFL and IELTS are just two of the many proficiency test scores that CSN accepts.

For a complete list of accepted test scores, go to:  
[www.csn.edu/ic-admission](http://www.csn.edu/ic-admission)



4. Official High School Diploma or transcript(s). International diplomas and/or transcripts must be certified and translated into English to verify completion of U.S. equivalent academic program. The diploma and/or transcript must include the full name of the student and date of graduation.
5. A personal statement describing educational goals, intended field of study, and reason for choosing CSN.
6. Proof of financial support: CSN requires an official bank letter or statement dated within 120 days of your application showing available funds to cover expenses for one year. Fees are subject to change without notice.

**Fees Academic Year 2017-2018 ?**

Tuition & Fees .....	\$ 9,700
Room & Board .....	\$ 7,800
Books & Supplies .....	\$ 1,100
Transportation.....	\$ 3,500
Personal.....	\$ 1,900
Health Insurance .....	\$ 1,300
<b>TOTAL .....</b>	<b>\$ 25,300</b>

- a. If you receive government financial aid, a scholarship, or accept a student loan from your home country, you must submit an original document verifying those funds. The above amounts are the minimum required to support one student.
  - b. Add an additional \$6,000 dollars (U.S.) for each dependent.
  - c. International students entering the U.S. on student visas are considered non-resident students for tuition purposes. CSN cannot offer federal financial aid to international students.
7. Sponsor Letter: International students who are not paying for their own education must submit a sponsor letter(s) signed by the person(s) who will pay the estimated costs listed above.
  8. Copy of student's passport picture page
  9. I-20 Mail Options Form

**International Student Transfer Admission:** F-1 students transferring to CSN from other U.S. institutions must provide the following immigration documents in addition to items 1 through 9:

10. Copy of F-1 visa page
11. Copy of online I-94 arrival/departure record or original paper I-94 card
12. Copy of current I-20 Form
13. Transfer-In Form indicating your SEVIS release date. The Transfer-In Form is available at: [www.csn.edu/ic-admission](http://www.csn.edu/ic-admission).

**Change of Non-Immigrant Visa Status:** If you are currently in the U.S. on a visa that is not the F-1, please contact the International Center for instructions. A Designated School Official will determine if you are eligible for a change of status.

**Returning and Readmitted International Students:** International students are considered "Returning" if they have attended CSN in the past with a CSN I-20. Contact the

International Center **BEFORE** completing the application, as you may be required to submit a different form.

**Application Deadlines:**

SEMESTER	NEW STUDENT	TRANSFER STUDENT	CHANGE OF STATUS & RETURNING
Spring (Jan-May)	November 15	December 15	Contact the International Center for deadlines
Summer (Jun-Aug)	April 15	May 1	
Fall (Aug-Dec)	July 1	July 15	

**Placement Tests by Admission Type:**

- Students admitted into a certificate or degree program are required to take the Accuplacer English and Math placement tests.
- Students admitted into the Pathway program will take the English as a Second Language (ESL) test and Accuplacer Math test.
- Students admitted into the ESL Program will take the English as a Second Language (ESL) test.

**Exception:** Students admitted with a TOEFL iBT score of 71 score or higher are eligible to enroll in ENG 113 without taking the Accuplacer English placement test.

**Mandatory International Health Insurance:** All admitted international students are required to maintain a valid health insurance policy while enrolled at CSN. Insurance is mandatory and offered through USI Insurance Services. You may access the insurance provider's website at <https://studentinsurance.usi.com> for cost, benefits, claims and additional information. Vision and dental care are not included in this plan. Other insurance plans that are comparable to the plan offered at College of Southern Nevada may be accepted.

**Limited Entry**

**Special Admissions Information for Health Sciences Programs:** Students seeking admission to one of the Health Sciences Programs should be aware that there are several additional procedures and policies. Some Health Sciences Programs are designated "limited entry," meaning that class sizes are limited. Prospective students must submit an application to the Limited Entry Office and be selected to a program in order to register for classes in limited entry programs. Information on admissions, selection procedures and application deadlines is available through the Health Programs Advising Offices, located on the Charleston Campus in the lobby of Building K, North Las Vegas campus in Building N, Room 1219, and Henderson campus in Building B, Room 136. Students must attend a Health Programs orientation to obtain detailed information on the limited entry application process and programs. There are also specific immunization, drug testing, and background check requirements for these programs.



**Limited entry programs include:**

- Advance Placement Nursing (LPN) to RN Bridge
- Cardiorespiratory Sciences (AAS and BAS)
- Dental Assisting
- Dental Hygiene (AS and BS)
- Diagnostic Medical Sonography
- Health Information Technology
- Medical Assisting
- Medical Coding
- Medical Laboratory Scientist (BAS)
- Medical Laboratory Technician
- Medical Transcription
- Military Medic/Corpsman to LPN
- Nursing (RN)
- Ophthalmic Dispensing
- Physical Therapist Assistant
- Practical Nursing (PN)
- Radiation Therapy Technology
- Surgical Technologist
- Veterinary Technician

**Special Costs for Health Sciences Programs**

There are special costs associated with admission and matriculation in some Health Sciences programs. For example, an instrument deposit is required for the Dental Hygiene program. Students whose program requirements include clinical assignments at local health care facilities are required to carry health insurance. Some facilities require that students have a Sheriff's Card prior to beginning their clinical experience. Contact the Health Professions Advisor on the Charleston, North Las Vegas, or Henderson campus for current information on special requirements.

**ALTERNATIVE CREDIT OPTIONS****Advanced Placement (AP) Exams**

Advanced placement and/or credit may be granted to entering students who have achieved appropriate scores on one or more of the Advanced Placement Tests offered by the College Entrance Examination Board, which may apply towards required credits for a degree. Contact the Office of the Registrar for more information.

**Advanced Placement Subjects: Scores:**

<b>Art – AP Art History Test</b>	
Art for non-Art Majors only (3 credits)	3-5
<b>Art – AP Art Studio Drawing Test</b>	
ART 101 (3 credits)	3-5
<b>Art – AP Art Portfolio Test</b>	
Art for non-Art Majors only (3 credits)	3-5
<b>Art – AP Studio Art:2-D Design Test</b>	
ART 107	3-5
<b>Biological Sciences – AP Biology Test</b>	
BIOL 189 (no lab)	3
BIOL 196 after department chair evaluation (3 credits no lab)	4-5

<b>Chemistry – AP Chemistry Science Test</b>	
CHEM 121 (3 credits no lab)	3
CHEM 121 and 122 (6 credits no lab)	4-5
<b>Economics – AP Macroeconomics Test</b>	
General Electives (3 credits)	3
ECON 103 (3 credits)	4-5
<b>Economics – AP Microeconomics Test</b>	
General Electives (3 credits)	3
ECON 102 (3 credits)	4-5
<b>English – AP Composition/Literature Test</b>	
ENG 101 (3 credits) and ENG 102 (3 credits)	4-5
<b>English – AP Language/Composition Test</b>	
ENG 101 (3 credits)	3
<b>Environmental Science – AP Environmental Science</b>	
ENV 101 (3 credits)	4-5
<b>Foreign Language – AP Language/Literature Test</b>	
Equivalent to 111 Placement in 112 (4 credits)	3
Equivalent to 111 and 112; Placement in 226 (8 credits)	4-5
<b>History – AP American History Test</b>	
HIST 101 or 102 (3 credits)	3
HIST 101 and 102 (6 credits)	4-5
<i>(Both cases include the U.S. Constitution requirement)</i>	
<i>(Both cases include the NV Constitution requirement if taken at Nevada high schools, otherwise student will receive U.S. Constitution credit ONLY)</i>	
<b>History – AP European History Test</b>	
HIST 106 (3 credits)	3
HIST 106 plus 3 credits (6 credits)	4-5
<i>(Both cases exclude the U.S. Constitution requirement)</i>	
<b>Human Geography</b>	
GEOG 106	4-5
<b>Mathematics – AP Calculus Test</b>	
AB Mathematics MATH 181 (4 credits)	3-5
BC Mathematics MATH 182 (4 credits)	3-5
<b>Music – AP Music Theory Test</b>	3-5
Music elective	
<b>Physics – AP Physics Test 1: Algebra-Based Test</b>	
Science (3 credits)	3
PHYS 151 (3 credits, no lab)	4-5
PHYS 151 (4 credits)*	4-5
*Pending department approval. Students must show documentation (i.e. lab notebook) indicating satisfactory completion of laboratory work equivalent to PHYS 151. Otherwise, only science elective credit is awarded.	
<b>Physics – AP Physics Test 2: Algebra-Based Test</b>	
Science Elective (3 credits)	3
PHYS 152 (3 credits, no lab)	4-5
PHYS 152 (4 credits)**	4-5
**Pending department approval. Students must show documentation (i.e. lab notebook) indicating satisfactory completion of laboratory work equivalent to PHYS 152. Otherwise, only science elective credit is awarded.	





**Physics – AP Physics C: Mechanics Test**

Science Elective (3 credits)	3
PHYS 180 (3 credits, no lab)	4-5
PHYS 180L (1 credit)***	4-5
***Students must show documentation (i.e. lab notebook) indicating satisfactory completion of laboratory work equivalent to PHYS 180L	

**Physics – AP Physics C: Electricity and Magnetism Test**

Science Elective (3 credits)	3
PHYS 181 (3 credits, no lab)	4-5
PHYS 181L (1 credit)****	4-5
****Students must show documentation (i.e. lab notebook) indicating satisfactory completion of laboratory work equivalent to PHYS 181L	

**Political Science – AP Comparative Government and Politics**

PSC 211	3-5
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**Political Science – AP U.S. Government and Politics**

U.S. Constitution only	3-5
<i>(Excludes the Nevada Constitution requirement)</i>	

**Psychology – AP Psychology Test**

PSY 101 (3 credits)	3-5
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**Statistics – AP Statistics Test**

STAT 152	4-5
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**World History**

HIST 208	4-5
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**Challenges**

The College recognizes the fact that students accumulate a great deal of information outside the classroom without formal instruction or from previous academic or occupational instruction. There are times when this background may be extensive enough to satisfy the requirements of courses offered by the College either through various examinations, course substitutions or waivers, or credit for nontraditional education. A student interested in these options should inquire with the appropriate department chair for courses which may be challenged in these ways.

**Challenge Examinations**

Students who wish to challenge courses under the Credit by Examination provision must pay a nonrefundable fee of \$25.00 for each course challenged. Policies of the College relating to challenge exams are as follows:

- Only currently enrolled students are eligible to take challenge exams.
- No more than 15 credits required for a degree may be obtained through challenges.
- Courses cannot be challenged if a student has taken an advanced course in the same area.
- Challenge examinations are not considered resident credit.
- Challenge examination credit does not count as part of a student's credit load for any given semester nor are they computed into the grade point average.
- A student may not retake a challenge.
- Challenge examinations are not transferable and in many cases will not count for licensing agencies.
- Successful challenge examinations are posted as a TP grade (Pass) on the student's transcript.
- Students must complete the challenge during the same semester in which the request was made.

The College reserves the right to deny any petition for credit by examination.

**College Board Advanced Placement Examination (CBAPE):**

In accordance with the NSHE Board of Regents Policy, CSN credit may be granted to students who have achieved appropriate scores of 3, 4, or 5 on one or more of the Advanced Placement Tests offered by the College Entrance Examination Board. The tests are administered each year in May and are available to all high school seniors who have taken advanced placement courses in high school and to other interested students who feel they have knowledge of the given subject being tested equal to the college level course on the subject. Contact the Office of the Registrar for more information.

**International Baccalaureate (IB) Program:** The program provides an internationally accepted qualifications aimed at 16 to 18 year old entry into higher education.

CSN Credit may be awarded for credit for each higher-level examination passed at a level of 4 or above.

IB SUBJECT	MIN. SCORE	CREDITS	COURSES SATISFIED
American History	4	3	Gen Ed (U.S. Constitution)
Anthropology, Social & Cultural	4	3	ANTH 101
Biology	4	4	BIOL elective
Chemistry	4	4	CHEM elective
Economics	4	3	ECON elective
European History	4	3	HIST elective
English Comp./Lit.	4	3	ENG elective
History	4	3	HIST elective
Math	4	3	Math elective
Music	4	3	MUS elective
Physics	4	4	PHYS elective
Philosophy	4	3	PHIL elective
Psychology	4	3	PSY 101
Theater Arts	4	3	THTR elective

**Non-Traditional Education (NTE):** Credit for work experience will be evaluated on the basis of a personal interview, verification of occupational experience, and the results of occupational competency examinations. Applicants must submit all relevant official documents, supportive materials, and specific information on the length, content, and other pertinent information concerning the work or life experience to the department chair or designee. Request for NTE credit will be evaluated and awarded in the sole discretion of the academic department.

**These non-traditional sources may include but are not limited to nor guaranteed to be:**

- Apprenticeship instruction and training
- Certificate training



## CLEP SUBJECT EXAMS

CLEP SUBJECT	ACE RECOMMENDED SCORE	SEMESTER HOURS	COURSE GRANTED
American Literature	50	3	ENG 241
Analyzing and Interpreting Literature	50	3	ENG 298
College Composition (College Composition Modular is not accepted at CSN but is given for other institutions) College Composition	50-63	3	ENG 101
College Composition	64 or higher	6	ENG 101 and 102
Humanities	50	3	HUM Elective
French Language, Level 1	50	4	FREN 111
French Language, Level 2	70	8	FREN 111/FREN 112
German Language, Level 1	50	4	GER 111
German Language, Level 2	70	8	GER 111/GER 112
Spanish Language, Level 1	50	4	SPAN 111
Spanish Language, Level 2	70	8	SPAN 111/SPAN 112
American Government	50	3	U.S. CONSTITUTION
History of the United States I: Early Colonization to 1877	50	3	HIST 101
History of the United States II: 1865 to Present	50	3	HIST 102
Microeconomics, Principles of	50	3	ECON 102
Macroeconomics, Principles of	50	3	ECON 103
Psychology, Introductory	50	3	PSY 101
Sociology, Introductory	50	3	SOC 101
Western Civilization I: Ancient Near East to 1648	50	3	HIST 105
Western Civilization II: 1648 to Present	50	3	HIST 106
Biology	50	3	BIOL Elective
Calculus	50	4	MATH 181
Chemistry	50	3	CHEM Elective
College Algebra	50	3	MATH 124
College Mathematics	50	3	MATH 120
Pre-Calculus	50	3	MATH 126
Natural Science	50	3	SCIENCE Elective



- Correspondence schools
- Extension courses
- Post-secondary proprietary institutions including business colleges
- Service Members Opportunity College (SOC)
- Work experience

Students applying for NTE credits must be admitted to the College of Southern Nevada. NTE credits can only apply towards the degree of Bachelor of Science (BAS), Associate of General Studies (AGS), Associate of Applied Science (AAS), and the Certificate of Achievement (CA). Generally a maximum of sixteen (16) NTE credits can be applied towards the BAS, AGS, and the AAS, and a maximum of eight (8) NTE credits can be applied toward the CA. However, there is an opportunity to exceed the foregoing limit through application to and approval from the Vice President of Academic Affairs, in addition to the regular approval process.

NTE credits can only be applied towards Special Program Requirements and cannot be used towards General Education Requirements. NTE credit cannot exceed the credit value of the equivalent course. Students who wish NTE credit must pay a nonrefundable fee of \$25.00 per course. Credits earned from NTE sources will not apply toward satisfying the minimum residence credits required for graduation purposes. NTE credit is not included in a student's cumulative CSN grade point average (GPA). NTE credit awarded by CSN may not be transferable to another educational institution.

**College Level Examination Program (CLEP):** The College Level Examination Program (CLEP) is a specific type of challenge examination. Credit may be granted for the satisfactory completion of the CLEP general or CLEP subject examinations. Students who wish to use credits from CLEP should submit **official** CLEP results and a request for the Transfer Credit Evaluation Form to the Office of the Registrar.

- **CLEP Subject Examinations** – A maximum of three or four credits (one semester) may be granted for each institutionally approved subject examination for scores of 50 or above.

College Composition Modular is not accepted at CSN but is given at the Testing Center for other institutions.

Additional credit may or may not be granted for selected examinations at the discretion of the academic department.

- **Please check with the counselor of your degree to determine which CLEPs will be transferable and the maximum amount of CLEP credits allowed by your program before taking the exams.**

## CLASSIFICATION OF STUDENTS

Student enrollment is determined by the Office of the Registrar based on the number of credits they have completed. This calculation is freshman: 29 credits or less, sophomore: 30-59 credits, junior 60-89 credits (limited entry bachelors); senior: 90 or more credits (limited entry bachelors).

## Full-time and Part-time Students

- Students who register for at least 12 credits are defined as full-time.
- Students who register for at least 9 credits but no more than 11.5 credits are defined as three-quarter time.
- Students who register for at least 6 credits but no more than 8.5 credits are defined as half-time.
- Students who register for 5 or fewer credits are defined as less than half-time.

## FINANCIAL AID

The Financial Aid Department provides information to students applying for financial aid, which includes scholarships, grants, work-study, and loans. Last year, CSN offered more than \$90 million to over 30,000 applicants. Financial Aid has offices located at the Charleston, North Las Vegas, and Henderson campuses. CSN accepts two applications for full consideration: 1) the Free Application for Federal Student Aid (**FAFSA – school code 010362**) and, 2) the CSN Scholarship Application. Both applications are web-based and linked to the CSN website. Current and prospective students are encouraged to file applications as early as possible, beginning in the month of October prior to the start of the following academic year. Early applicants receive priority consideration for all financial aid programs – including those programs with limited funding.

CSN accepts FAFSA applications for consideration of aid at any time prior to the end of enrollment or the end of the summer term depending on whichever comes first. The CSN Scholarship Application priority date is January 1st each year, however, it may be extended due to a low number of eligible applicants. Please check our scholarship website frequently for deadline dates. Students intending to use financial aid to pay their tuition and fees must apply on or before June 1st for the following fall semester, and on or before November 1st for the following spring semester.

Once an application is received, it is reviewed for eligibility and documentation requirements. If required, the Financial Aid Office will update your “To Do” list in MyCSN as well as send you an email requesting supporting documents to validate the content of your FAFSA. Each application will also be reviewed for compliance with the Satisfactory Academic Progress Policy and only those applicants making progress to their degree will be eligible for financial aid awards (including loans). The policy is available on the Financial Aid website at [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid). Award Notifications are sent at the beginning April for fall enrollment.

## Student Aid Programs

Financial assistance is available in the form of grants, work-study programs, scholarships, and loans. These four types of aid programs are funded by federal, state, institutional, and private sources. To review a complete listing of awards offered at CSN, please visit our website at [www.csn.edu/student-financial-options](http://www.csn.edu/student-financial-options).



Grants are a type of aid awarded to undergraduate students with financial need and are typically applied to the recipient's tuition and fees. Work-Study programs employ students in part-time jobs while they attend school. CSN offers a variety of scholarships from both public and private donors. Unlike grants, scholarships and work-study, loans are borrowed funds that must be repaid, with interest.

Financial aid automatically offers loans or work-study to CSN students. FAFSA applicants who desire a student loan must meet additional eligibility criteria including accepting the loan, completing the CSN Loan Application, fulfilling entrance counseling requirements, signing a Master Promissory Note (MPN), and providing a legible copy of a government-issued ID. Students offered work-study jobs should visit the Financial Aid website at [www.csn.edu/work-study](http://www.csn.edu/work-study) and CSN Career Services to review the job vacancy catalog.

### Aid Delivery/Financial Aid Census Date (FACD)

Students who receive financial aid, including loans, are required to attend classes. Financial aid disbursements begin no earlier than seven days before the start of the semester. Excess aid is refunded by the CSN Cashier. Students are encouraged to sign up for direct deposit to receive the excess funds quickly. Direct deposit delivers excess financial aid directly to a student's bank account and avoids postal delivery delays. Funds awarded as financial aid excess are intended for educational expenses only and must be used by the recipient to support their attendance at CSN. Students must be enrolled and attending at least six credits at the time excess loan disbursements are delivered.

CSN uses a "Financial Aid Census Date" (FACD) to determine a student's actual aid eligibility. The financial aid census date is normally two weeks after the beginning of the semester. The student's enrollment on this date will be "locked-down" and the financial aid assigned to the student will be recalculated based upon his/her enrollment on that date. The student's enrollment will be compared with their enrollment at the time of the original aid disbursement and one of three things will happen:

1. **If the enrollment is higher at FACD than the enrollment level at the time of original payment:** the student's aid package will be adjusted to reflect the new eligibility amount. If this results in a higher financial aid award, a new disbursement will be credited to the student's account during the next disbursement date.
2. **If the enrollment is lower at FACD than the enrollment level at the time of original payment:** the student's aid package will be adjusted to reflect the new eligibility amount. If this results in a lower financial aid award than originally disbursed, the student is responsible for repaying the excess funds to CSN. The student can avoid a reduction in awards if he/she is able to enroll in an equal amount of credits offered in the same semester (such as a late starting class).
3. **If the enrollment is the same at FACD than the enrollment level at the time of original payment:** no changes will be made.

### Attendance Requirement

Recipients who stop attending classes or stop logging-on to their distance education classes, or those who do not begin attending classes/never logged-in to their distance education classes, are subject to eligibility recalculation and may have to pay back some (or all) of the funds. Please review the Return to Title IV Policy on our website [www.csn.edu/withdrawal-classes#PR](http://www.csn.edu/withdrawal-classes#PR).

### SATISFACTORY ACADEMIC PROGRESS

CSN students who wish to receive Title IV financial aid, such as Federal Pell Grant, Federal SEOG, and/or Direct Loans must meet the CSN satisfactory academic progress requirements and be in an eligible program that leads to a one year certificate program, an associate degree, or a bachelor degree. A personal enrichment declaration or dual enrollment while in high school does not qualify for any Title IV federal financial aid programs. To continue eligibility for federal financial aid funding each semester, all financial aid applicants will be reviewed at the end of each semester to determine if the CSN Satisfactory Academic Progress Policy is met. For the most current information about Satisfactory Academic Progress, please visit [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid). The Financial Aid Department will evaluate the applicant's entire academic history including all CSN attempted credits and transfer credits. The minimum standards of CSN's Satisfactory Academic Progress Policy include:

- A. General Requirements:** In response to the receipt of a student's Free Application for Federal Student Aid (FAFSA) and at the end of each completed semester, The Financial Aid Department will evaluate:
- Attempted semester hours including all course work graded with an **A, B, C, D, F, W, or I**, and credits taken for audit.
  - Completed semester hours including all course work earned for an **A, B, C, D, or F**, and credits graded as **Satisfactory/Pass**.
  - Students who have received a **W** or **F** in a course may attempt the same course in order to receive a passing grade.
  - Students who have earned a passing grade of a **B, C, or D**, and wish to retake the course to improve their GPA may only attempt the same course one time.
  - Transfer semester hours do not count in the calculation of the cumulative grade point average however, they are included in the attempted hour and to calculate the maximum time frame standard.
  - Each repeated course work is included in the attempted hour and to calculate the maximum time frame standard. Each repeated course work is included in the calculation of the CUM GPA.
  - Consortium course work is included to monitor satisfactory academic progress.
  - English as a Second Language courses are included when monitoring satisfactory academic progress.
- B. Financial Aid (Title IV Funds) Recipients:** To receive Title IV funds from CSN, applicants must be meeting the CSN Satisfactory Academic Progress Policy. Applicants must meet the following requirements:
1. Be admitted to CSN, have declared a major, and be in a degree program seeking a one year certificate, an associate's degree, or a bachelor degree.





- Achieve the **qualitative standard** of at least a cumulative 2.0 GPA at CSN, and;
- Successfully complete the **quantitative standard** of at least 67% of the cumulative attempted credit hours. See example:

Number of Credits Attempted Per Semester	Minimum Number of Credits Earned (Successfully completed) per semester
Full-Time (15 or more credits)	10
Three-Quarter Time (9 credits)	6
Half-Time (6 credits)	4
Less-Than Half-Time (5 or less credits)	All attempted credit (3 or less)

- Complete the student's declared program within the **maximum time frame** of 150% of the published length of the educational program, such as:
  - Certificate Programs that require 40 credits for completion will be allowed  $40 \times 150\% = 60$  credits
  - Associate Degree Programs that require 60 credits for completion will be allowed  $60 \times 150\% = 90$  credits
  - Bachelor Degree Programs that require 120 credits for completion will be allowed  $120 \times 150\% = 180$  credits
- Transfer credits accepted toward completion of the student's program must count as both hours attempted and hours completed.
- The academic record for all students is reviewed at the end of each term. This review includes all terms attended at the College of Southern Nevada, without regard to the receipt of financial aid for that term. If a student fails to meet the **qualitative, the quantitative or the maximum time frame** requirements, they will be placed on "Warning" for the following term. While on "Warning" status, students will continue to remain eligible for financial aid.
- At the conclusion of the "Warning" semester, students will be re-evaluated. If the student meets qualitative, the quantitative or the maximum time frame the satisfactory academic progress status will revert back to a good standing.**
- If all measurements are not met, the student will move to a suspended status and becomes ineligible for financial aid unless they successfully appeal based on extenuating circumstances and are placed on probation.

**NOTE: Students may also regain eligibility without an appeal by paying for an upcoming semester and successfully meeting the cumulative qualitative, the quantitative and the maximum time frame standards.**

Visit the Financial Aid website at [www.csn.edu/financial-aid](http://www.csn.edu/financial-aid) for additional information on the *CSN Satisfactory Academic Progress Policy* and a link to the *Satisfactory Academic Progress Appeal Form*.

### C. Immigration Regulations – Maintaining F-1 Visa Status:

- International students must maintain a minimum of 12 credits hours each semester (excluding summer sessions) unless otherwise approved by the International Center at CSN.
- International students must make normal or satisfactory progress toward their officially declared program by:
  - Successfully completing courses in their degree program. Students who attempt a disproportionate number of courses (more than 30% of the total semester course load) outside of their established degree program are considered NOT to be making normal or satisfactory progress.
- In accordance with the Academic Probation and Suspension Policy, international students must maintain a minimum cumulative GPA of 2.0. Students who are suspended may be subject to termination of their immigration status.

International students enrolled in CSN who hold F-1 visas must be advised of these requirements by the CSN International Center.

### TESTING CENTERS

Placement tests are available for potential CSN students, at no cost, at the three main campuses and additional testing sites. CSN uses Accuplacer for English, Math, and Reading placement tests. All new CSN degree/certificate-seeking or transfer students are required to take the English, Reading, and Math placement tests or present an alternate method of placement.

#### Alternate Methods of Placement into English and Math:

- Provide ACT/SAT

#### ACT/SAT Entrance Exam For Placement

##### Requirements:

- Scores are less than two (2) years old
- Accepted forms:
  - Original Mailed SAT/ACT forms
  - Sealed High School Transcript
  - High School Faxed Transcript – to CSN Testing Center
- No internet print-outs or copies

##### PASSING SCORES

**ENGLISH 101:** ACT 18  
SAT 440 (Critical Reading)

##### READING

**Placement Bypass:** ACT Reading 18  
SAT Critical Reading 440

##### MATH:

Math Course	ACT	SAT
095.....	16 – 18.....	400 – 449
096, 120.....	19 – 21.....	450 – 499
122, 124, 126.....	22 – 24.....	500 – 549
127, 128, 132, 152.....	25 – 27.....	550 – 599
181, 251.....	28.....	600 and Above

- Students may be able to transfer in prior college credit by submitting a Transcript Evaluation Form to the Office of the Registrar.



**Accuplacer English Placement Test:** Students must take an English placement test prior to registering for any English class. Your placement results may be reviewed on MyCSN.

- English test scores range from 1–8 with the following cut scores for each level:

ENG 101.....	6-8
ENG 100.....	5
ENG 098.....	3-4
ENG 092.....	2
ABE.....	1

**English as a Second Language Test:** Please call North Las Vegas 702-651-4475 or Charleston 702-651-5736.

**Accuplacer Math Placement Test:** Students must take the math placement test prior to registering for math class except for the lowest level.

- Accuplacer cut off scores for placement (These cutoffs are CSN approved. Other institutions may or may not reflect the same course level requirements).
- The student will take two of the three exams starting with Algebra (AG) and then taking either the College level Math (CM) or Arithmetic (AR) section dependent on their Algebra score.
- Each exam has a maximum score of 120.

	AG	AR	CM
MATH Prep	1-75	1-88	-
MATH 093	1-49	50-88	-
MATH 095	1-75	89+	-
MATH 095	50-75	80+	-
MATH 096/120	76+	-	1-48
MATH 126	76+	-	49-82
MATH 127	76+	-	83-99
MATH 181	76+	-	100+

**Accuplacer Reading Placement Test:** *Students must take the reading placement test prior to registering for any reading class. Beginning Fall 2015 Reading Placement tests will be mandatory for all new students, unless they successfully bypass the test with the ACT or SAT scores.*

**Expiration of Test Scores:** All placement test scores are good for two years. Students must ensure to enroll in the course(s) level they are placed before the expiration of their test results. At the expiration of a test result, students’ enrollment in the course level of placement will be blocked, and such student will need to retake the test.

**Retest Policy:** placement tests may be retaken after a minimum of two weeks waiting period. No specific placement test, however, may be taken more than twice in any six-month period. Students who are already enrolled in the course they are placed will not be allowed to retest.

**Out-of-Area/Remote Testing Policy:** Any person who lives outside of Las Vegas may take a placement test without traveling to Las Vegas. Please visit our website at [www.csn.edu/testing](http://www.csn.edu/testing) to make your request and or for more information.

**Practice Tests:**

- Accuplacer for both English and Math Practice tests: <https://accuplacer.collegeboard.org/student/practice>.
- EdReady Practice tests for Math: <https://csn.edready.org/home>.
- Math.Com Practice tests and study tips for Math: <http://www.math.com/>.

**CLEP and Dantes:** These tests enable non-traditional and traditional students to earn college credit based on lifetime achievement and job skills. These tests are offered at the three main campuses. *CSN does not accept Dantes for Credit.*

**High School Equivalence Exams:** The GED is given at the three main campuses; please make your appointment through [www.GED.com](http://www.GED.com).

**Proctoring:** The Testing Centers proctor tests for courses taught at CSN free of charge (i.e., make-up tests and distance education/instructor exams). Proctoring for tests from other institutions (including all other Nevada System of Higher Education institutions: i.e., UNLV, UNR, NSC, WNC, TMCC, or GBC) is available for a fee.

**Career Interest and Aptitude:** These tests (Strong, MBTI and WOWI) are available on the three main campuses for a fee.

For more detailed information visit: [www.csn.edu/testing](http://www.csn.edu/testing).  
For Testing Hours and addresses please call:

North Las Vegas.....	702-651-4050
Charleston.....	702-651-5733
Henderson.....	702-651-3128

**NSHE PLACEMENT POLICY**

(Title 4, Chapter 16 page 2-4) Rev. 278(03/18)

**Section 1. NSHE Placement Policy**

The placement policies of the Nevada System of Higher Education (NSHE) are intended to ensure a foundation of knowledge and competencies that will assist students in successfully pursuing and attaining an academic degree. Students are strongly encouraged to prepare for the rigors of higher education before entering the NSHE.

- Pursuant to federal regulations, institutions may make ability-to-benefit determinations using federally approved tests and passing scores to receive federal student aid. The NSHE reserves the right to cancel the admission or registration of any individual whose attendance at a university or college, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial, as determined by the ability-to-benefit test, to that individual and the university or college.
- Initial Placement of Students into English and Mathematics Courses.
  - Exemption from Remedial Instruction. Degree-seeking students who meet or exceed the minimum English or mathematics scores on any one of the college readiness assessments listed below must be placed into a college-level course in that subject and are exempt from being placed into any form of remedial instruction in that subject provided that the student:



- i. Was continuously enrolled in an English course and a mathematics course in his or her senior year of high school unless an exception is approved by an NSHE institution; and
- ii. Enrolls in an NSHE institution after high school in any term (summer/fall/winter/spring) during the academic year following high school graduation.

Institutions may use other factors including high school transcript, grade point average, or additional testing to determine the appropriate first college-level course. Institutions are not required to honor initial placement decisions pursuant to this subsection for students who fail to remain continuously enrolled in required mathematics and English courses until the core mathematics and English requirements are completed.

College Readiness Assessments – English	
Test Score	Minimum Score
ACT English	18
SAT Critical Reading – SAT Test Date Prior to March 2016	500
SAT Evidence-Based Reading & Writing – SAT Test Date March 2016 and later	480
Smarter Balanced	2583 (Achievement Level 3)
PARCC	Level 4 Score
College Readiness Assessments – English	
Test Score	Minimum Score
ACT Mathematics	22
SAT Math – SAT Test Date Prior to March 2016	500
SAT Math – SAT Test Date March 2016 and later	530
Smarter Balanced	2628 (Achievement Level 3)
PARCC	Level 4 Score

- b. Placement of Students without an Exemption from Remedial Instruction. For degree-seeking students who have not met the English or mathematics college readiness assessment score on one of the tests in subsection a or who have not taken any of the tests in subsection a, institutions must develop an assessment and placement policy that ensures students who place at high school or above levels have an opportunity to enroll in and complete gateway college courses in mathematics and English within one academic year. The assessment and placement policy may use multiple measures, including, but not limited to placement exams; high school GPA; course selection

and performance in the senior year of high school; and intended postsecondary program of study to determine appropriate placement into one the following options:

- i. Placement into college-level courses without any additional academic support or remediation;
  - ii. Placement into a co-requisite course where academic support is provided to students while enrolled in college-level gateway courses;
  - iii. Placement into a single semester of remedial education that is followed by either a gateway college-level course or co-requisite gateway course option; or
  - iv. For students who are seeking a STEM (science, technology, engineering or mathematics) degree or program of study that requires college algebra or pre-calculus and who place at the high school Algebra 1 level (e.g. Math095), placement into a three-semester sequence culminating in the gateway college algebra course. The sequence may include co-requisite coursework.
- c. Institutions may establish alternative pathways to those described in subsection b for those degree-seeking students whose mathematics or English skills are below the high school level as established by the institution's assessment and placement policy set forth in subsection b.
3. To promote completion of gateway courses within the first academic year, all degree-seeking students must be continuously enrolled in appropriate mathematics and English courses until the institutional core curriculum mathematics and English requirements are completed. Institutions may authorize exceptions to this requirement if the exception does not affect the student's ability to complete the gateway course within the first academic year.
  4. Requirements for college readiness and college-level course enrollment shall be publicized by each institution to the appropriate Nevada school districts. In addition, the Chancellor will work with the State Superintendent of Public Instruction to publicize these requirements to all Nevada school districts and to establish educational strategies to encourage high school standards, graduation requirements, and assessments that are aligned with college and workforce readiness expectations.
  5. For purposes of this section, "college-level" means courses that are numbered 100-level and above.  
(B/R 9/16)

## COYOTE ORIENTATION & REGISTRATION EVENT (C.O.R.E.)

Student Orientation familiarizes new students to CSN's academic programs, advising services, course scheduling, online learning, support resources, policies, and financial aid. Orientation helps new students plan for their academic goals and complete their program of study on time. Orientation, available to students



in two formats – in-person and online, is the first step to becoming a college graduate. New students need to know a good deal of information to successfully navigate college, and orientation offers the tools necessary to start on the right path.

The **In-Person Student Orientation**, offered at all three main campuses, combines a comprehensive introduction to CSN's services and policies in addition to an advising workshop. In-person student orientations are offered only in May, June, July, August, for the Fall semester and November, December, and January for the Spring semester. To register for an in-person student orientation visit <https://www.csn.edu/advising/orientation>.

The **Online Orientation** is available 24/7 through your **MyCSN Student Center** and can be accessed by using your NSHE student ID number and password. After logging into MyCSN, click on the Online Orientation link at the bottom of the Student Center portal. The online orientation consists of six (6) interactive segments, each with very important information about academic programs, advising and course scheduling, E-learners, paying for college, campus safety, and student support services. The student must view and complete the quiz embedded in each segment to receive credit for successful completion of the online orientation. CSN recommends a student use Internet Explorer or Mozilla Firefox to complete the online orientation.

## ADVISING AND SUCCESS COACHING SERVICES

CSN holds the student responsible for knowing college, department and program specific requirements as stated in the CSN General Catalog & Student Handbook. While the student is ultimately responsible for ensuring personal progress towards the chosen major/degree, CSN provides a variety of academic advisement venues to assist the student in interpreting degree requirements. *First-time college students without transfer credits, undecided or students without a declared major, and Associate of General Studies (AGS) students* work with an advisor/success coach to build a first-term schedule and choose a suitable academic program based on unique skills and interests. Advisors also help students formulate personal goals, explore interests, consider educational options, and focus on courses and campus activities that will enhance their learning experience. Undecided students seeking career exploration may also obtain assistance from Career Services.

For more information about the Office of Advising and Coaching Services or to schedule an appointment, visit [www.csn.edu/advising](http://www.csn.edu/advising). Students may also email [advising@csn.edu](mailto:advising@csn.edu) or link to the Advising Chat-Room at <https://www.csn.edu/online-advising-services> to inquire about general first-time student information. Students are encouraged to run their Academic Advisement Report to check progress toward a degree by using the MyCSN guide available at <https://www.csn.edu/mycsn-student-guides>.

**NOTE: Returning, continuing, and transfer students with declared majors** seek academic advice from **ACADEMIC SCHOOL COUNSELORS** in their selected major/department. Academic counselor information is available at <https://csn.mywonline.net/>. Health Program returning, continuing and transfer students go to <https://at.csn.edu/meet-our-advising-staff>.

## ACADEMIC SCHOOL COUNSELORS

Counselors help *returning, continuing, and transfer students with declared majors* craft long-term academic plans, select courses, and conduct degree audits in preparation for graduation. For counselor contact and appointment information by academic school/department please go to [www.csn.mywonline.net](http://www.csn.mywonline.net). Health Program returning, continuing, and transfer students please visit <https://at.csn.edu/meet-our-advising-staff>.

**NOTE: First-time college students without transfer credits, undecided or students without a declared major, and Associate of General Studies (AGS) students** work with advisors located in the Department of Advising and Coaching Services.

## REGISTRATION INFORMATION

Once a student has been admitted to CSN he/she may register for classes online via MyCSN at [www.csn.edu](http://www.csn.edu) or in person at the Office of the Registrar at any of the three main campuses.

### Course Registration

Registration for full-term classes must be completed by the end of the first week of the semester. Registration for short-term/summer classes must be completed by 11:59 p.m. on the day before the session begins (as defined in the Academic Calendar).

- Exceptions to the registration deadline are limited to:
  - Courses for which the course catalog notes a prerequisite **AND** specifies that the permission of the instructor and/or department chair and/or program director is required.
  - Courses requiring auditions or try-outs.
  - Courses in the Jumpstart (dual enrollment with high school) program or courses designated in a Memorandum of Understanding.
  - Students dropped due to **DOCUMENTED CSN ERRORS**.
  - Courses that were cancelled within 6 days of the start of the session.
- Exceptions require permission of appropriate instructor(s) and the department chair. The approval can be done via email or official form. The student must be enrolled in the class by the end of the first week of the session.
- Course registration waitlist will be functional during the first week of the fall and spring semesters.

### Course Withdrawal

**PLEASE NOTE:** Before withdrawing from a course, students are strongly encouraged to discuss their decisions with an academic counselor, academic adviser or success coach. Students receiving financial aid should check with the Financial Aid Department since these decisions may affect a student's financial aid awards and Satisfactory Academic Progress (SAP) status.

- Instructors do not have the option of withdrawing students. The student must receive a grade of **A** through **D-**, **F**, Pass or **I** if still on the roster after the 60% point in the session (refers to the length of the session in days, not the number of assignments or percentage of points earned) Refer to the Academic Calendar for the last day to drop date





2. CSN administration may withdraw a student at any time during the session for just cause including, but not limited to, failure to pay for the course and violations of the Student Conduct Code.
3. Students with documented exceptional circumstances may follow the grade change process to request a grade change to **W**.
4. Students may withdraw from a course with a grade of **W** during the first 60% of a session, measured by time, not assignments. If the withdrawal occurs during the refund period, the class will not appear on the student's transcript. When withdrawing from the class, the official withdrawal date is the date processed by the Office of the Registrar, not the date last attended, unless the two dates coincide.
5. In order to adhere to financial aid guidelines, at the end of the second week of the semester or summer session, the instructor submits to the Office of the Registrar the names of students who have not participated at all in the course. Participation is defined by the U.S. Department of Education to mean physically attending a class with direct interaction between the instructor and students and/or submitting an academic assignment and/or taking an exam, interactive tutorial or computer-assisted instruction and/or attending a study group assigned by the institution and/or participating in an on-line discussion about academic matters and/or initiating contact with the faculty member to ask a question about the academic subject studied in the course.
3. Audited courses will **NOT** be counted as part of the academic load when full-time or part-time status is reported, for any reason, to any internal or external office or agency; this includes, by way of example only, the Financial Aid Department, Social Security Administration, Veteran's Administration, employers and others.

### Course Auditing Procedures

1. To audit a course, a student must register for the course and pay the regular fees (and tuition, if applicable).
2. Credit to Audit: To change the status of a course from credit to audit, a student must come to the Office of the Registrar and complete the Auditing Classes form change on or before the last day to withdraw. Students must sign a statement acknowledging the consequences of their decision.
3. Students cannot change their status from audit to credit.

### ENROLLMENT VERIFICATION

To request enrollment verification, students must go to MyCSN after the start of a semester. The student's social security number must be in the system to access the online enrollment verification. Enrollment verification is free.

### CREDIT LOAD

1. The normal class hour load for full-time undergraduate students who are not on academic suspension is 12-19 credit hours each semester. Only students with a CSN grade point average of **B** (3.0) or higher may enroll for more than 19 hours. The table below shows the maximum credit hours an undergraduate student can enroll for depending on academic standing.

Academic Standing	Fall / Spring Semester	Summer Term
Good	22	16 (cumulative)
Suspension	6	6

2. **Requests for more than 19 credit hours** (12 in the summer) require written approval from any of the following individuals – Associate Vice President of Academic Affairs or Associate Vice President of Advising Counseling, and First Year Experience. Approval must be obtained before registering.
3. The recommended maximum credits under CSN policy is 19 per regular semester and 12 per summer. To be approved for 19-21 credits, students must have a 3.0 grade point average (GPA) or higher and receive approval from one of the individuals listed above. To register for 22 or more credits, the student must have written permission from the Vice President of Academic Affairs.
4. If a student has outstanding incomplete grades, they cannot exceed 19 credits in regular semester or 12 credits in summer.

### Auditing Classes

To audit a course means the student will enroll in the course but receive no credit or grade.

#### PLEASE NOTE:

- Federal financial aid will not pay for audited courses, and students should not include aid for audited courses in their financial planning.
- Satisfactory Academic Progress (SAP) related to federal financial aid takes attempted credits into consideration when assessing a student's ongoing eligibility for federal financial aid. Credit-to-Audit conventions are counted among "attempted" credits but not as "completed" credits for financial aid purposes.

Students are strongly advised to consult with an academic counselor or advisor and the Financial Aid Department, if the student receives financial aid **PRIOR** to making any course registration changes.

1. Except for programs with applicable limitations (such as limited-entry or specialized accreditation), a student may elect to audit a course.
2. A student must pay the normal registration fees for audited courses.



5. Students can download the “Credit Overload Request” form on our website at <https://www.csn.edu/registrarforms> or pick one up at any of our three main campuses.

## DECLARATION OF MAJOR

It is important for students to declare the appropriate major in order to receive accurate advising, avoid taking unnecessary course(s) which may result in excess credit fees, and to ensure timely graduation from CSN. **NOTE:** Processed declaration of major changes become official and reflect on the student’s record on the first day of the next semester following submission.

### Changing From One Major to Another

To change from one program of study or major to another, including from self-enrichment/non-degree seeking to degree-seeking and vice versa, you must do so online from your MyCSN portal. Effective Fall 2018, students will only be allowed to have one declared specific major at a time. Exceptional cases will be considered for students requesting more than one major with the appropriate approval. The Request for Multiple Majors form can be obtained from the Office of the Registrar.

## FINAL EXAMINATIONS

Final examinations are held at the end of each semester. Students are required to take the final examination at the time and place scheduled by the instructor in order to receive credit for the course.

## PAYMENT INFORMATION

All fees assessed by the college are subject to change as approved by the NSHE Board of Regents. Students may consult Class Registration through MyCSN or the Cashier’s Office web page at [www.csn.edu/cashier](http://www.csn.edu/cashier) for current fee information and payment deadlines.

**Balance of Tuition and Fees:** Currently enrolled students may receive an up-to-date account balance by logging into MyCSN. To avoid errors in billing and refunds, a student must use complete name, NSHE ID number or social security number, and local address on all transactions. Please print clearly and retain all receipts.

### Methods of Payment

**Online Payment:** Students may pay for tuition and fees with a credit card through MyCSN. CSN accepts MasterCard, Visa, Discover, American Express, and Diners Club credit cards. In the event that a credit card is declined online, classes will not show as paid, and all classes are subject to be dropped due to non-payment.

**In-Person Payments:** Students may pay for tuition and fees in person at the Cashier’s Office at any of the three main campuses during office hours if paying by cash, cashier check, money order, or personal check. Checks must be made payable to the NSHE Board of Regents. Be sure to write the student’s NSHE number on the check when paying in person.

**Mail-In Payment:** Students may mail in personal checks for payment. Be sure to write the student’s NSHE number on the check and allow sufficient time for mail delivery. The mailing address is:

College of Southern Nevada  
ATTN Cashiers Office - NLVE124  
3200 East Cheyenne Avenue  
North Las Vegas, NV 89030

**Returned Checks:** Personal checks are accepted for payment of fees owed to the college, although no counter checks or checks altered in any way are accepted. A fee of \$25.00 will be assessed for any check returned unpaid by the bank. The prevailing bank rate is assessed for any check returned unpaid by the bank. Any returned check must be made good within ten (10) days after being returned to the college. If the account remains delinquent, collection procedures will be instituted. Personal checks returned for any semester fees from the bank constitute a financial withdrawal. The college reserves the right to place the student on a cash basis only, and withdrawal procedures may be initiated at the option of the college. A stop payment placed on a check does not constitute an official withdrawal from courses. Official withdrawal must be made via MyCSN or in person through the Office of the Registrar. Stop-pay checks will be processed as returned checks and are subject to the same fee and collection procedure.

**Payment Plan:** A payment plan is available to students who register for six or more credits per semester for Fall and Spring semesters. A non-refundable fee of \$10 will be charged upon enrollment of the payment plan. Directions for payment plan setup are outlined on the Cashier’s Office web page at [www.csn.edu/cashier](http://www.csn.edu/cashier). It is the student’s responsibility to follow the payment plan schedule. A penalty fee of 10 percent (minimum of \$10) will be charged per installment not paid by the due date. Any unpaid balance on a payment plan is treated as an official fee hold and is subject to collection procedures.

## REFUNDS

A student who drops or withdraws from CSN courses may be entitled to a full or partial refund of tuition and course fees according to the schedule below, which is subject to change with the Board of Regent’s approval. See refund deadlines in the current College Calendar. All requests for exception to the refund policy must be submitted to the Student Appeals Committee.

### A. Full-Term Classes (16-weeks)

1. One hundred percent (100%) refund if withdrawal is initiated prior to the end of the first week of instruction.
2. Fifty percent (50%) refund if withdrawal is initiated prior to the end of the second week of instruction.
3. No refund of any amount shall be granted thereafter.

### B. Short-Term Classes (less than 16 weeks)

1. One hundred percent (100%) refund if withdrawal is completed prior to the first day of the session.
2. Fifty percent (50%) refund if withdrawal is completed two days after the first day of the session.
3. No refund of any amount shall be granted thereafter

### C. Long-Term Classes (greater than 16 weeks)

1. One hundred percent (100%) refund if withdrawal is completed prior to the end of the second week of instruction.
2. Fifty percent (50%) refund if withdrawal is completed prior to the end of the of the third week of instruction.
3. No refund of any amount shall be granted thereafter



## D. Other Refunds

1. No refund shall be given for the application and other non-refundable fees.
2. Nonresident tuition shall be refunded in conformity with the above schedule for load reduction to six (6) credit hours or less and for withdrawal for the current semester.
3. Nonresident fees are not retroactive.

## STUDENT APPEALS

The Student Appeal Form is available at the Office of the Registrar on any of the three main campuses or online at [www.csn.edu/registrarforms](http://www.csn.edu/registrarforms). The Student Appeals Committee will review all petitions in the order of date received. The decision of the committee is **final**. Students will be notified via email of the Student Appeals Committee's decision.

A refund appeal will not be considered unless the student has officially withdrawn (W) from the class(es). Students who are receiving financial aid should check with the Financial Aid Department or Veteran's Affairs prior to withdrawal to determine what, if any, effect this action may have on future financial aid or Veteran's Affairs eligibility.

Tuition appeals will generally be approved for the following reasons as long as the appropriate written supporting documentation is provided:

- Deployment of a student in the United States Armed Forces. The student must provide valid and properly endorsed orders. Includes dependent(s) enrolled at CSN, if other than the student;
- Death or incapacitation resulting from an illness or injury of the student; or spouse, child, parent, or legal guardian of a student that prevents the student from returning to school for the remainder of the semester. Extended incapacitation/hospitalization of the student (which caused the student to miss 20 percent or more of scheduled instruction) documented by a physician's statement on the doctor's official letterhead (copies of the student's medical records will be accepted). This must be an unscheduled medical emergency experienced or continuing after the last day to drop for tuition refund. The physician's letter must include the date the student was first seen for the medical condition as well as the beginning and ending date the student was incapacitated or/and hospitalized and must state that the student was physically unable to attend classes during that period of time. The physician's letter must specifically state that the student was physically unable to attend classes, otherwise it will not be sufficient support to approve an appeal;
- Verifiable error on the part of the institution;
- Involuntary job transfers outside the Greater Las Vegas Metropolitan Area-documented by employer;
- Late notification of denial to a specific degree program with supporting documents.

If the appeal is approved, the grades of "W" will remain on the student's academic record and will be used to calculate Excess Credit fee, Student Academic Progress (SAP), and any other state or federal mandate.

No refund will be made if the Student Appeal Form and supporting documentation are not received by the end of the semester following the semester being appealed. Exceptions may be made in extraordinary circumstances.

## EXCESS CREDIT FEE

Beginning fall 2014, the Nevada System of Higher Education (NSHE) created a policy that states an Excess Credit Fee shall be charged to a student who has attempted credits equal to 150 percent of the credits required for the student's program of study. The amount of this additional fee is equal to 50 percent of the per credit registration fee. Attempted credits include all graded courses on a student's transcript, including but not limited to the grades of F and W (withdrawal) and repeated courses. The fee will be charged, for example, after 90 credits have been attempted towards a 60-credit associate's degree or 180 credits towards a 120-credit bachelor's degree. Exceptions may apply on a case-by-case basis. The fee will be charged in all terms after passing the threshold number of credits until a degree is awarded to the student.

**The following categories of declared majors are subject to the Excess Credit Fee:**

- Students currently pursuing a **Certificate of Achievement** who have attempted 45 credits or more will be charged this fee.
- Students currently pursuing an **Associate Degree** who have attempted 90 credits or more will be charged this fee.
- Students currently pursuing a **Bachelor's Degree** who have attempted 180 credits or more will be charged this fee.

NSHE provides an appeals process for this excess credit fee. Students will need to provide an appeal form and supporting documents to be considered for exception to this fee. The following credits can be considered in the appeals process:

1. Credits earned through examination like AP, CLEP, and Non-Traditional credits (must attach a copy of Transfer Credit Report).
2. Credits attempted while enrolled as a high school student if those credits do not meet the student's degree requirements (must attach a copy of Academic Advising Report and a copy of high school transcripts).
3. Credits attempted at an institution outside of NSHE if those credits do not meet the student's degree requirements (must attach a copy of Transfer Credit Report and Academic Advising Report).
4. Credits attempted for remedial courses (must attach a copy of unofficial transcripts).
5. Credits earned from a previous earned degree if the degree is at the same level or higher as the current degree (must attach a copy of unofficial transcripts or Transfer Credit Report).
6. Credits not accepted for transfer at the receiving institution
7. Credits associated with courses taken for audit or for which an audit grade is received
8. Other circumstances (if students select this option then they must submit a personal statement that includes the reason they failed to meet the degree completion within 150 percent of the credits required for their program).

Students are strongly encouraged to meet with a counselor or advisor/success coach.

## CSN IDENTIFICATION CARDS

CSN I.D. cards are available to students, faculty, and staff. The CSN I.D. card:

- Provides identification at the CSN Library for borrowing privileges.





- Provides identification for student status to qualify for discounts.
- Must be renewed each semester.

Students must be enrolled for the current semester and provide a photo I.D. in order to obtain a CSN I.D. card. There is a \$2.00 charge for your CSN I.D. card. Fees are subject to change.

CSN faculty and staff must provide a signed memo from their department head indicating their position and title. Faculty and staff I.D. cards are not required to be renewed each semester.

## BOOKSTORES

Bookstores are located on the Charleston, North Las Vegas, and Henderson campuses. Each bookstore sells the required and supplemental textbooks for your classes offered on that campus as well as classes offered online. The bookstore also sells general school supplies, study aids, educationally discounted software, imprinted clothing, and gift items. Students can also purchase textbooks and get text information from the bookstore website at [www.efollett.com](http://www.efollett.com).

**Text Rental Program:** The bookstores offer a Text Rental Program. In order to participate in this program, you will need to be at least 18 years of age; have a valid government issued identification card; and, a recognized credit or debit card. Please note that not all titles are eligible for rent. You can visit any of the bookstore locations for additional information and/or sign up for the program.

**Bookstore Refund Policy:** Your textbooks are fully refundable in their original condition with sales receipt and/or online packing slip within 10 school days from the official start of classes for fall and spring courses and 7 school days for summer and/or short term courses. After this date, you may return your books within three business days of purchase with original receipt and/or online packing slip for your full refund. Books for classes that are cancelled by the school are fully refundable within one week of the scheduled start date for the course.

Please use caution when opening package sets as some electronic media and textbook packages may not be fully refunded once opened. Textbooks purchased during the last week of classes or during exam periods are non-refundable. You can visit any of the bookstore locations for additional information on the Refund Policy.

## ATTENDANCE POLICY

College enrollment assumes maturity, seriousness of purpose, and self-discipline for meeting the responsibilities associated with the courses for which a student registers. Students are expected to attend each meeting of every course for which they have registered. Attendance is essential for normal progress in a college course. Under no circumstances will an absence, for any reason, excuse a student from completing assigned work in a given course. After an absence, it is the student's responsibility to check with the instructor about the completion of missed assignments.

(For information on absences on religious holidays, see Religious Holidays in this Catalog.)

Students receiving Financial Aid assistance, please refer to the Withdrawal and Return of Title IV Funds link from the Financial Aid – Satisfactory Progress website for detailed information at [www.csn.edu/withdrawal-classes](http://www.csn.edu/withdrawal-classes).

## Unregistered Persons in Class

Only students officially registered by the College in a class may attend the class. This applies to physical or virtual classroom sessions. By way of example only and not limitation, this includes students not registered in that class or session of the class, friends, or family members (adults or children) of registered students, or members of the general public. Students must attend the section of the class for which they are officially registered. It is each student's responsibility to ensure they are enrolled in each of their courses, and are listed on their respective class rosters. Attending a section for which a person is not enrolled, either accidentally or purposefully, is not a valid reason to request a change of grade, reinstatement, or course refund. Exceptions to this policy are departmental/college evaluations of the class or similar administrative issues, authorized disability services, and the invitation of the instructor. Students registered for one section of a course may attend a different section of the course with the consent/invitation of the instructor for a period of time to be determined by the instructor.

## GRADES AND ACADEMIC PROGRESS

### Grading Symbols and Definitions

At the end of each semester, reporting of individual student grades is made available through MyCSN. All financial obligations to the Nevada System of Higher Education (NSHE) must be met before a student is eligible for an official transcript.

The following grades are given at CSN:

Grade	Grade Point Value	Grade	Grade Point Value
A.....	4.0	C.....	2.0
A-.....	3.7	C-.....	1.7
B+.....	3.3	D+.....	1.3
B.....	3.0	D.....	1.0
B-.....	2.7	D-.....	0.7
C+.....	2.3	F.....	0.0

Grades of **D+**, **D**, and **D-** in the student's major occupational area in Associate of Applied Science degree programs or Certificate of Achievement will not count towards graduation requirements.

- The Failure **F** grade is given for failure in the performance of course objectives and is worth zero (0) grade points.
- The Incomplete **I** grade may be assigned when the student has successfully completed all course work up to the withdrawal date of that semester/session but is unable, due to legitimate reasons (e.g. serious illness, death in the family, or change of employment), and with proper documentation, to compete all requirements for the course.
  - The instructor will determine if the student qualifies for the incomplete process, and if so, the instructor will determine and document the outstanding requirement for the student





to finish the course and post the **I** grade as well as the time frame to complete those requirements, not to exceed one year.

- If the work is not completed during that time frame, the **I** converts to an **F** unless a different grade is indicated by a Grade Change Form.
- If the instructor is no longer available to submit a Grade Change Form, it is the responsibility of the department chair to do so, if applicable.
- The **I** grade is not included in the student's grade point average and therefore is worth "0" points.
- If a student wishes to retake the entire course, he or she must re-register and pay for the class.
- Unless approved by the dean in the student's major or the Vice President of Academic Affairs (VPAA) or VPAA's designee, a student with three current **I** grades may not register for additional coursework.
- If the student is not enrolled at CSN at the time he or she needs to complete the coursework and he or she needs to use CSN facilities not open to the public (such as labs), the student must receive permission from the department chair or program director to use those facilities, sign a waiver of liability to CSN, and if applicable, receive permission from the clinic site.
- The Withdrawal **W** grade indicates withdrawal from a class. If the withdrawal happens after the refund period, the student will receive a grade of **W** for the class as long as withdrawal occurs before the course is 60% complete as defined by the Academic Calendar. Lack of attendance does not constitute withdrawal; failure to properly withdraw will result in the assignment of an **F** grade on the student's transcript in accordance with the NSHE Grading Policy. The **W** grade is not computed in the grade point average.
- The Pass **P** grade is granted on the basis of satisfactory completion of specific courses designated as **Pass/Fail** only. The **P** grade is not computed in the grade point average.
- The Satisfactory **S** grade indicates that a student earned a **C**- or above in the completion of course objectives. The **S** grade is not computed in the grade point average.
- The Unsatisfactory **UN** grade indicates that a student earned a **D+** or below in the completion of course objectives. The **UN** grade is not computed in the grade point average.
- The Not Reported **NR** grade is assigned by the Registrar pending submission of a final grade by the course instructor. The **NR** grade is not computed in the grade point average.
- The Audit **AU** grade is given for students who audit a course. The **AU** grade is not computed in the grade point average.
- The use of plus (+) and minus (-) in a grade is at the discretion of the instructor. The course syllabus shall contain a clear explanation of the grading scale to be used by the faculty member.

## Calculating Your Grade Point Average

The grade point value associated with each grade denotes how many points are accumulated for each credit earned with that grade. The grade point average is determined by dividing the sum of the grade points earned (refer to the grade point value chart) by the total number of credits earned with a regular letter grade.

## Course Repeat

Students may retake a CSN course as often as needed to gain a better grade and, thereby, a higher grade point average. Only the highest grade received will count as part of the total grade point average. All repeated courses taken at the College will remain as part of a student's permanent academic record. Some limited entry programs will not allow required courses to be repeated.

Students receiving financial aid should be aware that all attempted credits are included in the calculations for Satisfactory Academic Progress. For more information on Satisfactory Academic Progress go to <https://www.csn.edu/satisfactory-academic-progress>.

## Academic Honors

The College of Southern Nevada supports and recognizes student achievement. An Academic Honors List identifies and recognizes students who demonstrate academic excellence. In addition to being identified as an honoree, a notation "Academic Honors" will post to the student's transcript for the qualified semester.

To be eligible for Academic Honors, a student must:

1. Complete at least 6 credits during the eligible semester with grades on the **ABCD**F scale,
2. Courses must be 100 level or above, and
3. Semester grade point average and correlating designation:
  - a. 3.3 to 3.59 – Honor's List
  - b. 3.6 to 3.99 – Dean's List
  - c. 4.0 – President's List

## Academic Warning

Any student who does not achieve a cumulative grade point average (GPA) of 2.0 or higher after having attempted at least 15 credits is placed on academic warning for one semester. Students on academic warning will be directed to complete the Academic Warning component of the Academic Success Online Warning/Probation Workshop (ASOW) and to seek assistance from appropriate services. A registration hold will be placed on the student's account when the student is placed on academic warning, which will be removed upon completion of the relevant ASOW component. Courses the student has enrolled in before being placed on academic warning are not affected by being on academic warning; however, the student will not be able to add or drop courses until the registration hold has been removed. Academic warning status does not appear on official transcripts.

**Removal of Academic Warning:** A student on academic warning who achieves a cumulative GPA of 2.0 or higher at the end of the next semester of enrollment will be removed from Academic Warning.

## Academic Probation

A student on academic warning who fails to achieve a cumulative GPA of 2.0 or higher at the end of the next semester of enrollment will be placed on academic probation beginning when the final semester grades are posted. Academic probation status appears on official transcripts. The first semester on academic probation will be directed to complete the Academic Probation



component of ASOW and to seek assistance from appropriate service. A registration hold will be placed on the student's account when the student is first placed on academic probation, which will be removed upon completion of the relevant ASOW component. Courses the student has enrolled in before being placed on academic probation are not affected by being on academic warning; however, the student will not be able to add or drop courses until the registration hold has been removed. A student who maintains a semester GPA of 2.0 or higher during the first and subsequent semester(s), but have a cumulative GPA below 2.00, will continue to be on academic probation.

**Removal of Academic Probation:** Academic probation is removed at the end of the semester when a student's cumulative GPA is raised to 2.0 or higher.

## Academic Suspension

A student on academic probation who fails to achieve a semester GPA of 2.0 or higher will be placed on academic suspension. Students who are on academic suspension will not be allowed to register for any credit classes for at least one semester, but during the semester may petition to register for the following semester with the Academic Suspension Appeals Committee. Academic suspension status will appear on the student's official transcript. Students on academic suspension will be encouraged to seek advice from appropriate counselor or advisor based on declared major.

**College Readmission After Suspension:** If the student wants to register for a credit class(es) after one semester of suspension, that student must meet with the appropriate counselor or advisor based on the declared major, and submit an Academic Suspension Appeals form. Student Appeal Form must also include the advising degree sheet and up to two selected courses chosen. If approved by the committee, the student will be limited to a maximum of two classes per semester. The student must appeal every semester until a cumulative GPA of 2.0 or higher. If semester GPA is below a 2.0 for two consecutive semesters, the student must sit out another semester before petitioning again. The student must earn a cumulative GPA of 2.0 or higher to be removed from Academic Suspension status.

- A. A student may request a change of grade for any of three reasons:
  1. The student claims a clerical or computational error was made by the instructor in assigning the grade.
  2. The student claims the instructor lost or damaged student work that had been completed and submitted as assigned.
  3. The student claims the instructor evaluated the student's work on the basis of different factors than were used to evaluate the work of the other students in the same course section.
- B. A Grade Appeal Committee will be appointed as necessary. The school dean will solicit members for this committee as defined below:  
The Committee will consist of five members:
  1. One department chair/head, from a department other than that of the involved faculty member, selected by the Dean.

2. Two school faculty members, one to be selected by the Dean and the other by the involved faculty member.
  3. One representative from Student Affairs, appointed by the Vice President of Student Affairs.
  4. The fifth member of the Committee will be a faculty member selected by the student. If the student declines to suggest a Committee member, the Dean will select the fifth member from the discipline, when possible, involved in the appeal.
  5. The Dean will seek replacement of any member of the Committee who is directly involved in a particular case. If a member of the committee is unavailable, the Dean will replace the member for that individual appeal.
  6. The Committee members will designate the chair of the Committee, who is responsible for ensuring that the procedure is correctly followed.
- C. The Grade Appeal Committee's decision will be final and binding on all parties and unable to be appealed.

### Procedure:

- A. The student will first discuss the request for change of grade with the instructor. If the matter cannot be resolved, the student appeals in writing to the department chair/head. This appeal must contain a signed statement of the reason (as stated in II.A for a change in grade, and also all supporting documentation which must include at least the course syllabus, any relevant assignment instructions/criteria, and copies of any disputed work. This appeal must be submitted within four months of the end of the course in which the grade is being disputed. If resolution is still not reached, the student appeals to the dean of the school. The dean will see that the Grade Appeal Committee is formed. The Grade Appeal Committee will rule on the matter within 30 days of the date of the appeal to the dean.
- B. When a grade appeal is referred to the Grade Appeal Committee, the Committee will schedule a formal hearing at which the student and the instructor may each make a statement of the case. Additional material may be submitted to the Committee chair at least one week in advance, to be distributed to all parties at the chair's discretion. The Committee may hear other witnesses and examine all submitted evidence from student and faculty as they choose. The petitioning student must be present for the hearing. Absent extraordinary circumstances, the student's absence will result in forfeiting the appeal. Involved faculty, if present, may also present their case. The burden of proof is on the student. The Committee may not meet without at least four members present.

Based on the evidence, the Committee may decide:

1. No action, initial grade will remain unchanged.
2. To recommend the grade change if at least four of the Committee members agree.
3. That the student may replace lost or damaged work within the timeframe determined by this Committee. If the student's work is not submitted within the timeframe, the initial grade will stand.



If a change of grade is recommended, the dean will sign and file the grade change form. If replacement work is recommended, the Committee will establish a reasonable time line for completion of the replacement work and the dean will appoint a faculty member from the same discipline or school to evaluate the replacement work and decide the student's final grade.

The Committee chair will prepare a summary of the appeal and the reasons for their decision and each Committee member will sign indicating concurrence or dissent from the Committee's decision. Within one week of the hearing, the summary will be sent to the student, the faculty member, the department chair/head, and the school dean.

## GRADUATION REQUIREMENTS

Periodic revisions of degree requirements are made because of advances in knowledge, changes in occupational or professional qualifications, or the expectation of accrediting authorities. Such requirements may necessitate adherence to the degree requirements of a recent or current catalog. Institutional catalogs do not constitute contractual agreements or commitments.

To ensure students graduate with current knowledge in their chosen fields, CSN requires that students must meet degree or certificate course requirements that are listed in a CSN catalog.

### Students must:

- Select the catalog under which the student first completed CSN courses, or
- Select the catalog under which the student officially declared or changed major, or
- Select the catalog under which the student will complete the curriculum requirements for a baccalaureate degree or an associate degree or certificate of achievement, or
- Select a degree that is offered for the first time after the student has enrolled. The student must choose the catalog year in which the degree or major was first offered.

**The selected catalog cannot be more than six years old at the time of graduation for students receiving an associate degree or certificate, and not more than ten years old at the time of graduation for students receiving a baccalaureate degree.**

### Students must know:

- When pursuing a bachelor degree, the student must complete a minimum of 120 credits, depending on specific program requirements, of various courses meeting general education and program-specific requirements.
- When pursuing an associate degree, the student must complete a minimum of 60 credits, depending on specific program requirements, of various courses meeting general education and program-specific requirements.
- When pursuing a certificate of achievement, the student must complete a minimum of 30 credits, depending on specific program requirements, of various general education and certificate specific requirements.
- Must earn a minimum cumulative grade point average (CUM GPA) of 2.00 at CSN.

- Complete all course requirements by the last day of final examinations of the candidate's final semester. Students cannot have pending grades of **I** or **NR**. A final graduation grade point average must be posted.
- Not have a grade of **D+**, **D**, **D-** in the major occupational area for the Associate of Applied Science degree or Certificate of Achievement.
- Satisfactorily complete a minimum of 15 semester credit hours in residence at CSN. Students must complete the appropriate 15 semester credits in the Special Program Requirements for the Associate of Applied Science degree and the Certificate of Achievement,
- Credits completed by exam at CSN, including CLEP, as well as other transfer courses do **not** count towards CSN's residency unit requirement or factor into CSN's GPA.
- Non-Traditional Education (NTE) credits can only be used towards the Special Program Requirements in Associate of Applied Science degree, Associate of General Studies degree, or Certificate of Achievement.
- Not have any outstanding financial obligation with any NSHE institution.
- In no case, may one course be used to meet more than one requirement *except for the Values and Diversity general education requirement. (refer to page 47)*
- Course numbers less than 100 cannot be used towards any degree.
- Course numbers with a "B" suffix cannot be used toward the Associate of Arts, Associate of Business, or Associate of Science.

## Dual Degrees/Certificates

Students seeking to earn two certificates or degrees subsequently or simultaneously must satisfy the following dual degree policy requirements:

- File a separate Application for Graduation for each degree.
- Complete all curricular requirements for each degree.
- Complete 15 credits in residence beyond the requirements for the first degree; therefore, the student must complete a minimum of 75 semester credits if pursuing a second associate degree or 45 semester credits if pursuing a second certificate. Thirty semester credits of which were earned in residence at CSN.
- Students earning dual degrees may use a course only once to fulfill each certificate or degree requirement.

## Application for Graduation

CSN awards the following degrees upon successful completion of all requirements: Bachelor of Applied Science, Bachelor of Science, Associate of Arts, Associate of Applied Science, Associate of Business, Associate of General Studies, Associate of Science and the Certificate of Achievement. Diplomas and transcripts indicate the degree and any emphasis, if applicable.

Students are strongly encourage to meet with an academic counselor prior to applying for graduation to ensure all academic



requirements have been met. Students may apply for and receive diplomas for one of three semesters: summer, fall, or spring. Students requesting a duplicate diploma must submit a graduation application and mark “**DUPLICATE DIPLOMA**” and pay the \$15.00 duplicate diploma fee.

Students transferring credits completed at other institutions toward their CSN degree or certificate must have their transcripts evaluated prior to applying for graduation. Any student who fails to meet graduation requirements in any given semester must file a new application with the Office of the Registrar.

Commencement exercises are held once a year in May. Students who graduated during the preceding summer or fall semesters and potential spring graduates will be listed in the commencement program and may participate in the May commencement. Students must file an application for graduation with the Office of the Registrar during the semester in which they plan to complete requirements for graduation. The deadline for filing is included in the Academic Calendar, available online at [www.csn.edu/academiccalendar](http://www.csn.edu/academiccalendar).

## High Honors/Honors

All students graduating from CSN are considered for High Honors or Honors based on their CSN cumulative grade point average. An High Honors diploma requires a cumulative GPA of 3.6. An Honors diploma requires a cumulative GPA of 3.4. All honor students receive recognition on their diplomas, academic transcripts, and in the commencement program.

## Course Substitution

A student can apply to substitute a course if he/she completed a course that is similar in content to a required course. The student is not granted any additional credit, but is merely allowed to substitute a course not listed as a requirement for a course which is required.

The course substitution cannot overrule the mandatory 15 credit CSN residency requirement.

## Course Substitution Procedures

1. Students will need to see their advisor/counselor to submit a substitution request. Advisors/Counselors can access the substitution request form online at <https://onbase.csn.edu>.
2. Advisors/Counselors must attach a degree sheet with correct catalog year a copy of the student’s unofficial CSN transcript or a copy of the student’s transfer credit report, and a catalog course description to the substitution request form. Upon submission of the form, the request is electronically routed to the degree granting chair.
3. The degree-granting chair recommends approval or denial and routes the substitution request to the required course department chair.
4. The required course department chair reviews and recommends approval or denial of the substitution request. The request is then routed to the Office of the Registrar.

5. If there is a disagreement between the degree granting department chair and the required course department chair, the request is routed to the Associate Vice President of Academic Affairs for final approval or denial.
6. The student will receive notification via email on the completion of the process. This process can take up to four weeks.

## Phi Theta Kappa

If you have remained in good standing with Phi Theta Kappa while at CSN and you wish to obtain a Phi Theta Kappa notation on your diploma, transcript, and in the commencement book, you must visit CSN’s Phi Theta Kappa page at <https://www.csn.edu/phi-theta-kappa> and follow the Phi Theta Kappa graduation instructions. The deadline to submit your information is the same as that for CSN’s graduation. If you would like to be recognized as a Phi Theta Kappa member at CSN’s commencement ceremony in May, you must purchase a Phi Theta Kappa stole online at <http://ptk.org/Store.aspx>.





## TRANSFER AND ARTICULATION PARTNERSHIPS

The College of Southern Nevada provides a broad range of courses, which fulfill the requirements of an associate's degree, and the first two years of a baccalaureate degree aimed at preparing students to transfer to a four-year college and/or university. Students planning to transfer to a four-year institution should speak to an academic counselor/advisor to receive assistance with course selection appropriate to chosen degree paths. The Transfer Center Coordinators can be reached at: [transfercenter@csn.edu](mailto:transfercenter@csn.edu).

CSN has established transfer and articulation partnerships throughout the Nevada System of Higher Education (NSHE) and a variety of other private, public, and out-of-state institutions. Please note: This is for current CSN students wishing to transfer and/or articulate to these institutions.

### Current partnership agreements exist with:

Great Basin College – GBC  
Nevada State College – NSC  
Truckee Meadows Community College – TMCC  
University of Nevada, Las Vegas – UNLV  
University of Nevada, Reno – UNR  
Western Nevada College – WNC

### Private and Out-of-State Institutions:

Art Institute of Las Vegas – AILV  
Bridge Valley CTC – BVCTC  
Capella University – CU  
Chamberlain College of Nursing – CCN  
Champlain College – BS Computer Forensics & Digital Investigations – CC  
DeVry University-Engineer Technology Degrees – DVU  
Eastern New Mexico University – Paramedic Medicine Program – ENMU  
Grand Canyon University – GCU  
Kaplan University – KU  
Lincoln Christian University – Las Vegas Extension – LCU  
National University – NU  
Niagara University – NU  
Nova Southeastern University – Education Programs – NSU  
Regis University – Online only  
Sierra Nevada College – SNC  
Southern Illinois University, Carbondale – Fire Science Technology Program – SIUC  
Southern Utah University SUU  
Strayer University – SU  
St. Rose Dominican Hospital College- Careers Coding Program- STR  
Touro University- School of Nursing – TOURO  
University of Cincinnati – UC  
University of Maryland University College – UMUC

University of Phoenix – UOP  
Utah Valley University – UVU  
Utica College – UC  
Western Governors University – WGU

## TRANSFERRING TO ANOTHER INSTITUTION

Many CSN students transfer to a university or four-year college. Students can order official transcripts by various methods:

- Students can order transcripts online through the National Student Clearinghouse [https://secure.studentclearinghouse.org/tsorder/faces/TranscriptOrder?\\_afLoop=229754571068919&\\_afWindowMode=0&\\_adf.ctrl-state=szhxvj9q1\\_4#firstload](https://secure.studentclearinghouse.org/tsorder/faces/TranscriptOrder?_afLoop=229754571068919&_afWindowMode=0&_adf.ctrl-state=szhxvj9q1_4#firstload).
- Students can order transcripts by mail. The Transcript Request Form can be downloaded from our website at <https://www.csn.edu/transcript-information>.
- Students can order transcripts in person at any of our three main campuses.

## FOUR-YEAR SCHOOL TRANSFER SERVICES

After the completion of an associate degree, the College of Southern Nevada encourages its graduates to transfer and pursue their bachelor's degree at a four-year institution. CSN advising and academic counseling staff members assist students in exploring their next postsecondary options through the provision of resources, internet searches, recruiter visitation schedules, and information about semi-annual Transfer Fair events. Transfer resources also include agreements/articulations between CSN and selected institutions. For more information, please visit <https://www.csn.edu/advising/transfer>.

## TRANSFERRING WITHIN THE NEVADA SYSTEM OF HIGHER EDUCATION

### Student Rights

#### Students have the right to:

- Receive automatic fulfillment of lower-division general education requirements at the universities, state college, and community colleges that offer select baccalaureate degrees upon completion of an Associate of Arts, Associate of Science, or an Associate of Business degree from a NSHE community college.
- Access information from the community colleges, state college, and universities about their transfer admission requirements, including documents required for admission, housing, and information about the institution's costs, financial aid, and student services.
- Access information about the transfer of specific courses, credit hours, grades, and degree requirements. This includes information about transferring courses with grades below a C, courses students may have repeated, and credit previously granted by examination.



- Access and receive admission and transfer-related decisions in writing (electronic or paper) specifically:
  - Acceptance by the community colleges (limited access programs only), state college, and the universities.
  - Evaluation of courses and credits accepted for transfer credit and their course equivalencies, if applicable.
  - Outline of transfer courses and requirements which the transferred courses or credits will satisfy for the degree or program sought.
  - Analysis of the number of semester credits required to complete a degree in the chosen major program of study.
  - The NSHE institution's appeals process for transfer-related decisions.
- Appeal any NSHE institution's transfer-related decision. The appeal process will be developed and maintained by each NSHE institution and published on the institution's website.
- Elect to graduate under the course catalog graduation requirements under any of the following options, provided that the course catalog at the time of graduation is not more than six years old:
  - The course catalog of the year of enrollment in a baccalaureate level course/program at a NSHE community college (valid transfer contract may be required).
  - The course catalog of the year of transfer into a baccalaureate level program at the universities, state college, or community colleges that offer select baccalaureate degrees.
  - The course catalog of the year of graduation from a NSHE institution.

**Warning:** Changing majors may change the course catalog and graduation requirements, which may increase the time to degree completion.

**Notice:** Students have all the above rights and any others as summarized in the Summary of Board of Regents Transfer Policies. The summary can be accessed at the NSHE website at <http://system.nevada.edu>.

## Student Responsibilities

**Students have the responsibility to:**

- Understand the transfer policies and procedures of the institution they are considering for transfer. Students should seek information from the institution they are transferring to regarding: core curriculum, prerequisites, major program requirements, degree requirements, admissions, financial aid, scholarships, housing, deadlines, restrictions, and other transfer-related criteria.
- Complete all materials required for application and submit the application on or before the published deadlines.
- Research how courses are applicable to degree and major requirements.
- Understand that if they change their major, not all courses taken will necessarily apply to their new major.
- Plan ahead and realize that appointments with advisors are necessary.

- Understand that after a break in their enrollment, status as an admitted student may be affected.

## NSHE Institution Responsibilities

**NSHE Institutions will:**

- Make transfer-related policies and procedures available on their websites.
- Make answers to frequently asked questions about transfer issues accessible for students and provide opportunities for appropriate follow-up appointments to students.
- Provide information on the approximate costs of attending the institution, including tuition, books and supplies, housing, and other related fees.
- Relay admission and transfer-related decisions to students in writing (electronic or paper); including information about the student's appeal rights.
- Establish and make available upon request internal appeals processes to review transfer-related issues and decisions.
- Engage in continuous, authentic dialogue among NSHE institutions about transfer-related issues with the purpose of solving the challenges before they negatively impact students.



## STUDENT ACADEMIC INTEGRITY POLICY

See Appendix A of this catalog for more information or [www.csn.edu/policies-procedures](http://www.csn.edu/policies-procedures).

## ACADEMIC RENEWAL

Academic Renewal allows students to request that as many as two consecutive semesters' grades not be included in the calculation of their cumulative grade point average (CUM GPA), academic standing and eligibility for graduation. The student must submit an Academic Renewal Form to the Office of the Registrar. If Academic Renewal is awarded then it must include all the courses for that given semester(s). If summer courses are to be included in the work disregarded, then course work from all summer terms of the same calendar year shall count as one semester. Academic renewal can only occur once during a student's academic career. To maintain a true and accurate academic history, all work will remain listed on a student's permanent academic record. The record will be annotated to indicate that work taken during the disregarded semester(s), even if satisfactory, will not apply toward graduation requirements. There will be no reimbursement of fees for the semester(s) which academic renewal is granted. *Course work disregarded under this policy may continue to be used for the calculation of eligibility to receive financial aid and scholarship. Other institutions and employers may include the disregarded semesters in their decision-making.*

Eligibility for academic renewal shall be subject to the following conditions:

- At the time the petition is filed, a minimum of five years shall have elapsed since the most recent course work to be disregarded was completed.
- In the interval between the completion and the filing of the petition, the student shall have completed a minimum of fifteen credits of course work from a regionally accredited institution of higher education with a minimum grade point average of 2.5 on all work completed during that interval. Courses taken during this interval may be repeats of previously attempted college work.

## IMMUNIZATIONS AND OTHER SPECIAL REQUIREMENTS

A student enrolled in any of the following programs is a *potential candidate* for the special requirements policy, depending on the particular course of study. Consult with the program director or advisor for specific program requirements and deadlines.

- Cardiorespiratory Sciences
- Contact Lens Technician
- Culinary Arts Management
- Dental Assisting: Clinical Emphasis
- Dental Hygiene
- Diagnostic Medical Sonography
- Early Childhood Education
- Emergency Medical Technician and Advanced Emergency Medical Technician

- Health Information Technology
- Medical Assisting
- Medical Coding
- Medical Laboratory Scientist
- Medical Laboratory Technician
- Medical Office Practices
- Medical Transcription
- Mental Health Services
- Military Medic/Corpsman to LPN
- Nursing (RN)
- Nursing Assistant
- Ophthalmic Dispensing
- Optical Laboratory Technician
- Paramedic Medicine
- Patient Registration
- Pharmacy Technician
- Phlebotomy
- Physical Therapist Assistant
- Practical Nursing (PN)
- Radiation Therapy Technology
- Surgical Technologist
- Veterinary Technician

## Immunizations

Nevada law and cooperative agreements with community partners requires the protection of students at high risk for exposure to vaccine-preventable diseases. Students in specific programs will be required to provide documentation of receipt of vaccination or proof of immunity through blood testing for any or all of the following:

- Hepatitis A via Health Card (Health Sciences, Culinary, Early Childhood Education)
- Hepatitis B
- Measles (rubeola), Mumps, Rubella (MMR)
- Chicken Pox (Varicella)
- Tetanus/Diphtheria/Pertussis
- Influenza
- Rabies (Veterinary Technician)

**Tuberculosis:** Once accepted into a healthcare program, the student is required to show proof of no active pulmonary tuberculosis present.

**Physical Examination:** Once accepted into a healthcare program, the student is required to complete a physical examination.

**Health Insurance:** Once accepted into a healthcare program, the student is required to show proof of major medical health insurance coverage.

**Drug Screen:** Once accepted into a healthcare program, the student is required to test negative for drugs and alcohol via a drug screen.



**Criminal Background Check:** Once accepted into a healthcare program, the student is required to have a criminal background check completed.

**CPR:** Once accepted into a healthcare program, the student is required to maintain certification in Healthcare Provider CPR/AED training.

## Special Costs for Health Sciences Programs

There are special costs associated with admission and matriculation in some Health Sciences programs. For example, an instrument deposit is required for the Dental Hygiene program. Students whose program requirements include clinical assignments at local health care facilities are required to carry health insurance. Some facilities require that students have a Sheriff's Card prior to beginning their clinical experience. Contact the Health Professions Advisor on the Charleston, North Las Vegas, or Henderson campus for current information on special requirements.

## MATRICULATION DATE

The term "matriculation date" is the date of the first day of instruction in the semester or term in which enrollment first occurs and continues through the completion of at least one academic course. Enrollment in CSN non-credit courses, which are not state-funded, shall not be used in determining "date of matriculation" for evaluation of residence.

## NAME CHANGE

Students who wish to change their name on record at CSN will need to complete the Request to Change Personal Identification Data Form available at the Office of the Registrar and provide appropriate documentation such as government-issued picture ID, marriage certificate, divorce decree or other court documents. Students must submit the form and supporting documents in person. Name changes are processed for currently enrolled students only.

## RELIGIOUS HOLIDAYS

It is the policy of the Nevada System of Higher Education to be sensitive to the religious obligations of its students. Any student missing class, quizzes, examinations, or any other class or lab work because of observance of religious holidays shall, whenever possible, be given an opportunity during that semester to make up the missed work. The make-up will apply to the religious holiday absence only. It shall be the responsibility of the student to notify the instructor in advance and in writing if the student intends to participate in a religious holiday that does not fall on state holidays or periods of class recess. This policy shall not apply in the event that administering the assignment at an alternate time would impose an undue hardship on the instructor or the institution that could not reasonably have been avoided.

Any student, who is denied a make-up option after appropriately noticing the instructor shall have the right to appeal that decision through the normal appeal mechanism in place at CSN.

## REMEDIATION REQUIREMENTS

1. Placement testing should take place prior to matriculation. Additionally, English and mathematics testing must take place *no more than two years prior to matriculation*.
2. All degree-seeking students who place in developmental/remedial coursework must take the prescribed sequence of courses until remediation is completed.
3. Students requiring remediation *must complete all required remediation coursework prior to completion of 30 college-level credits* unless otherwise authorized by the institution.
4. The Nevada System of Higher Education reserves the right to cancel the admission or registration of any individual whose attendance at CSN, in the opinion of the appropriate administrative officer and the President, would not be mutually beneficial to that individual and the college.

## CSN'S POLICY AGAINST SEXUAL HARASSMENT

### 1. Sexual Harassment is Illegal under Federal and State Law.

The College of Southern Nevada (CSN) is committed to providing a place of work and learning free of sexual harassment, *including sexual violence*. Where sexual harassment is found to have occurred, CSN will act to stop the harassment, to prevent its recurrence, to *remedy its effects*, and to discipline those responsible in accordance with the Nevada System of Higher Education (NSHE) Code or, in the case of classified employees, the Nevada Administrative Code. Sexual harassment, *including sexual violence*, is a form of discrimination; it is illegal.

No employee or student, either in the workplace or in the academic environment, should be subject to unwelcome verbal or physical conduct that is sexual in nature. Sexual harassment does not refer to occasional compliments of a socially acceptable nature. It refers to behavior of a sexual nature that is not welcome, that is personally offensive, and that interferes with performance.

It is expected that students, faculty, and staff will treat one another with respect.

### 2. Policy Applicability and Sanctions.

All students, faculty, staff, and other members of the campus community are subject to this policy. Individuals who violate this policy are subject to discipline up to and including termination and/or expulsion, in accordance with the NSHE Code (or applicable Student Code of Conduct) or, in the case of classified employees, the Nevada Administrative Code. Other, lesser sanctions may be imposed depending on the circumstances.

The following individual has been designated to handle inquiries regarding non-discrimination policies at CSN and is responsible for coordinating compliance efforts concerning Executive Order 11246, Title VI and Title VII of the Civil Rights Act of 1964, Title IX Educational Amendments of 1972, Title II of the Americans with Disabilities Act, Section 504 of





the Rehabilitation Act of 1973, the Age Discrimination Act of 1990: **Eric Gilliland, Senior Director-Employee Relations, Office of Institutional Equity and Title IX Coordinator**, CSN Charleston Campus, 6375 West Charleston Blvd.; Bldg. E, Office E-411, Las Vegas, NV 89146, Phone: 702-651-5052, Email: [eric.gilliland@csn.edu](mailto:eric.gilliland@csn.edu). For further information on notice of non-discrimination, you may contact the U.S. Department of Education, Office for Civil Rights at 1-800-421-3481 or visit <http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the office that serves your area.

Additional information regarding CSN's grievance procedures, Sexual Harassment Policy, Title IX Notice of Non-Discrimination, and Affirmative Action Plan may be found on the Office of Institutional Equity's webpage located at [www.csn.edu/affirmative-action](http://www.csn.edu/affirmative-action). CSN's full Affirmative Action plan can be found in Appendix C of this Catalog.

## SOCIAL SECURITY NUMBER POLICY

In accordance with the Federal Privacy Act of 1974, applicants for admission and enrolled students at CSN are advised that disclosure and use of their social security number is voluntary. All students will be assigned a Nevada System of Higher Education (NSHE) number. The assigned NSHE number may be used:

1. To identify student records at CSN.
2. For registration and course enrollment.
3. For recording grade information.

Students who are employed full-time by CSN or who receive federally funded educational aid must disclose their Social Security numbers for payroll and other mandatory reporting purposes. The Higher Education Act of 1965, as amended, gives the United States Department of Education (and parties authorized to assist them in administering the student aid programs) the authority to collect a student's Social Security number for federal student assistance purposes. A Social Security number is required for the 1098T Tax Credit, federal financial assistance, Millennium scholarship and the National Clearinghouse for enrollment verification.

## TRANSCRIPT REQUEST

Students may request official transcripts for their own personal use or have transcripts sent to another institution. Official transcripts are printed on security paper and bear the CSN seal and signature of the Registrar.

Requests for official transcripts can only be accepted from a student him/herself unless the student gives written authorization for release to another person or organization. Students can request official transcripts online, by mail, or in person. Transcript ordering instructions can be found on our website at [www.csn.edu/transcript-information](http://www.csn.edu/transcript-information). Allow 3-7 business days for processing and an additional 3-7 days at the beginning of each semester.

Students can print unofficial transcripts via MyCSN. Unofficial transcripts are computer print-outs and do not bear the CSN seal or signature of the Registrar.

## NOTICE FOR PRACTICUMS, INTERNSHIPS, ETC.

Practicums, Practical Experience, Practical Application, On-the-Job Training, Cooperative Education, and Clinical Experience Students may be required to take practical training courses in the form of internships, practicums, or residencies depending on the academic discipline in which they are enrolled. This training may be accomplished at College of Southern Nevada (CSN) facilities or at offsite locations, depending on the specialty. All such courses share commonalities, including:

- Students must register in advance.
- CSN instructors are responsible for developing course requirements and supervising the progress of students.
- Regular meetings between students and instructors provide opportunities for guidance and evaluation. These interactions are generally held on a weekly basis.
- Practical training experiences require significantly more time than a regular course.
- Students are evaluated on their progress and assigned either a letter grade or a satisfactory/unsatisfactory grade, as determined by the appropriate academic department. The satisfactory grade is not calculated into the student's GPA.
- All practicums, internships, or residencies are granted full credit toward graduation, do not extend degree requirements, and are mandatory in several degree and credential programs.



## ART GALLERIES

### Fine Art Gallery

The CSN Fine Art Gallery, located in Room H101 of the Nicholas J. Horn Performing Arts Center on the North Las Vegas campus, provides the campus and the community with a wide range of contemporary art exhibits. The gallery supports the educational mission of the Art and Art History Program and hosts exhibits and events by guest artists, students, and faculty. Exhibit announcements can be found posted on campus, online, in local media, or by calling the CSN Department of Fine Arts for information.

### Artspace Gallery

The CSN Artspace Gallery, located upstairs above the main entrance lobby on the North Las Vegas campus, provides the campus and the community with a wide range of contemporary art exhibits. The gallery supports the educational mission of the Art and Art History Program and hosts exhibits and events by guest artists, students, and faculty. Exhibit announcements can be found posted on campus, online, in local media, or by calling the CSN Department of Fine Arts for information.

### Level Up Galleries

The Level Up Galleries bring the highest quality fine art from the traditional art gallery to locations on CSN’s campuses where student, faculty, staff and the college community gather. The name “Level Up” indicates the location of this initiative (campus second and/or third floor locations), references College wide student success initiatives such as Achieving the Dream, and ties into contemporary video game nomenclature, specifically those synonymous with advancement, attainment, enlightenment and success. Currently located on the West Charleston campus, second floor E Building, watch for new Level Up Galleries opening soon. For more information please contact the CSN Department of Fine Arts.

### CSN Student Art and Design Exhibition Spaces

CSN Student Art and Design Exhibition Spaces exist on each campus to highlight artwork made in art and design classes at the College of Southern Nevada. The culmination of the creative process for both fine and applied art is only achieved through that artwork’s display. The College of Southern Nevada supports this culmination by providing informal, formal, and digital exhibition spaces for student art and design work.

## CAREER SERVICES

Career Services assists students and alumni with comprehensive career exploration and employment services. This department focuses primarily on the development and implementation of career and employability plans. Career Services maintains partnerships with employers, faculty, staff, administrators, and the greater community to increase opportunities for the employment and career development of CSN students and alumni. Resources, services, and events provided by this department include:

- **Career Link** – This online career database system provides students with access to local and national job openings, internships, resume and cover letter review, appointment scheduling, and online employment resources.

- **Career Assessment Resources** – We offer a variety of career assessment instruments to help students learn about themselves and their potential fit with careers that are of interest. For example, the *TypeFocus* online assessment tool, available at [www.typefocus.com](http://www.typefocus.com), provides free assessments of career interest, personality, values, and student success (Site password: **csn63**).
- **Employment Events** – The Career Services department hosts job fairs, employer interviews, career-specific information sessions, and on-campus recruiting events at the three main campuses.
- **Career Programming and Workshops** – Students may attend these to learn job searching skills, develop interview competencies, correctly utilize professional networking sites, obtain information on professional organizations related to their field and create a career plan.
- **Candid Careers** – We offer thousands of 1-3-minute video interviews from professionals in a wide variety of careers and from multiple backgrounds. Interviewees share insights and practical advice about their jobs, link available at [www.csn.edu/career-services](http://www.csn.edu/career-services).
- **Career Advisement and Guidance** – Career Services Specialists can help students to improve career decision-making skills, prepare résumés and cover letters, provide current labor market information, prepare for salary negotiation discussions, determine costs of relocation and cost of living, and help students to prepare for job interviews.
- **Employer Development** – Career Services establishes, cultivates, and maintains contacts with local, regional, and national companies with the goal of connecting employers with CSN students seeking employment. Partnering employers are given direct access to our library of CSN student and alumni resumes to help them fill their open positions.

[www.csn.edu/career-services](http://www.csn.edu/career-services)

Charleston.....	702-651-5089
Henderson.....	702-651-3174
North Las Vegas.....	702-651-4700

## CENTERS FOR ACADEMIC SUCCESS

CSN Centers for Academic Success provides quality academic assistance to a diverse college population and supports classroom instruction through several academic support services to foster students’ overall academic success. Learning assistance is located on all three main campuses. For more information including hours, contacts, and locations, please visit [www.csn.edu/centers-academic-success](http://www.csn.edu/centers-academic-success).

Academically successful students may also become learning assistants. Contact us with any questions at one of our main numbers:

Charleston.....	702-651-5732
Henderson.....	702-651-3125
North Las Vegas.....	702-651-4232

### Communication Learning Centers

The Communication Learning Centers are designed to provide students with assistance during any stage of the speechmaking process for all classes requiring presentations. Our staff is knowledgeable and trained to provide you with individualized



or group session assistance. Our focus is on helping students become effective speakers. We can help students select the perfect topic, research it, organize the speech, create functional speaker’s notes and presentation aids, and improve their physical and vocal delivery. Students can practice their speech in our whisper room to improve delivery and gain confidence!

- Charleston..... 702-651-7834
- Henderson..... 702-651-3047
- North Las Vegas..... 702-651-4917

**Math Resource Centers**

Free individual and group drop-in tutoring is available in the Math Resource Center (MRC) on each campus. In addition to tutoring and learning assistance, students visiting the MRC can utilize the provided computers to access their classes, and obtain advice concerning course and career choices as they relate to mathematics.

- Charleston..... 702-651-7320
- Henderson..... 702-651-3517
- North Las Vegas..... 702-651-4685

**Reading and Writing Centers**

The College strongly recommends that all students taking classes with reading and writing assignments use the Reading and Writing Center. It is a place where students from all disciplines and at all levels can come and discuss their coursework with a trained Reading and Writing Assistant. Students can get help with any stage in the writing process, from idea generation, through organization, to final revision. Students can also get help with active reading strategies for any reading in any class. Reading and Writing Assistants help students produce quality written essays, research papers, and other required assignments by offering feedback, guidance, and support throughout the reading and writing process. Students who visit the center will learn strategies and techniques to improve the effectiveness of their reading and writing.

No appointment is necessary. Bring a copy of the instructor’s or professor’s assignment and guidelines. The Reading and Writing Center is free and is located on each main campus. For hours of operation and locations, please contact the nearest campus center:

- Charleston..... 702-651-7402
- Henderson..... 702-651-3187
- North Las Vegas..... 702-651-4101

**Science Resource Centers**

The Science Resource Centers offer walk-in learning assistance on a first come, first serve basis in a collaborative learning environment. Assistance is available in most subjects in the Physical and Biological Sciences. In addition, many faculty from Physical and Biological Sciences hold their office hours in the resource centers.

- Charleston..... 702-651-7615
- Henderson..... 702-651-3125
- North Las Vegas..... 702-651-4088

**Tutorial Learning Center**

The Tutorial Learning Center provides reading and learning assistance to all currently enrolled CSN students on each of the three main campuses. Appointment based tutoring is available

in many subjects with an easy online registration and scheduling system. We help students learn more effectively and become more independent learners through various programs like supplemental instruction and collaborative study skills sessions.

- Charleston..... 702-651-5732
- Henderson..... 702-651-3125
- North Las Vegas..... 702-651-4232

*We look forward to seeing you!*

**CIT/IS SOFTWARE LAB**

The CIT/IS Software Lab and Network Lab offers students the opportunity to collaborate with each other in solving problems and to get help with completing assignments and projects. Often Lab Monitors can help students to understand assignment requirements and explain the concepts. Students are then expected to complete work on their own. Both labs are equipped with computer hardware and software necessary for students to complete assignments and projects. The CIT/IS software lab is primarily dedicated to courses offered in the software program including IS101. The CIT/Network Lab is primarily dedicated to courses offered in the cybersecurity and network programs.

Further information can be found at <https://at.csn.edu/cit-information>.

**COMPUTER LABS - INTERACTIVE LEARNING CENTERS**

During scheduled student teaching days, CSN students have access to full-service computer labs at the Charleston, North Las Vegas and Henderson campuses. There are also computer labs available at the High Tech Centers on the Green Valley High School and Palo Verde High School campuses. The computer labs are “Interactive Learning Centers” that bring together students, computing resources, and instructors. Access to online instructional applications and software taught in CSN classrooms are available to currently registered students in all of the Interactive Learning Centers. For more information on the Interactive Learning Centers please visit <https://at.csn.edu/computerlabs>.

**COUNSELING AND PSYCHOLOGICAL SERVICES**

Counseling and Psychological Services (CAPS) offers a variety of free and confidential services aimed at promoting the growth and development of currently-enrolled CSN students.

CAPS provides short-term counseling for individuals, couples (students only), and groups. We also offer crisis intervention and educational presentations and programs. Confidential consultations are available to assist faculty and staff regarding student-specific concerns and/or classroom situations. CAPS also provides students and staff with contact information for referrals to other community resources.

More detailed information about CAPS can be found at [www.csn.edu/caps](http://www.csn.edu/caps). For consultation or to schedule an appointment with CAPS, please call:

- Charleston..... 702-651-5518
- Henderson..... 702-651-5518
- North Las Vegas..... 702-651-4099



## COYOTE Q

CoyoteQ allows students to get in line for student services without actually standing in line. Students can enter the virtual queue from the following services: Advising and Coaching Services, Career Services, Cashier, Disability Resource Center, Financial Aid, International Center, Registrar, ReEntry, Testing Center or Veterans Affairs.

## COYOTE STUDENT NEWS

Coyote Student News serves the College of Southern Nevada’s community as a reliable source for news and entertainment. Coyote Student News is the official student-run online newspaper sponsored by the College. Find us at [www.coyotestudentnews.com](http://www.coyotestudentnews.com).

## DISABILITY RESOURCE CENTER

CSN is committed to providing equal access to its educational programs and services to all qualified persons with documented disabilities. This commitment is governed by Section 504 of the Rehabilitation Act of 1973, Title II of the Americans with Disabilities Act of 1990, and the Americans with Disabilities Amendments Act of 2008. Beyond the College’s legal responsibilities for promoting equal access, CSN welcomes all individuals, regardless of disability, who choose to visit, work, or take classes here.

Under federal law, a disability is defined as a physical or mental impairment that substantially limits one or more major life activities. The DRC includes two specialized areas, Deaf and Hard of Hearing Services and Adaptive Technology. The DRC works with qualified students to establish reasonable accommodations to facilitate equal access to CSN services, events, and all aspects of the academic experience. All academic accommodations are provided on an individual basis following an interactive review of the student’s documentation of disability and accommodation requests. Accommodations may include, but are not limited to the following:

- Note takers to assist in providing class notes
- Readers
- Scribes
- Lab and research assistants
- Access to adaptive technology and computers
- Testing accommodations

Students with disabilities requesting accommodations are responsible for providing documentation of their disability (or disabilities) to the Disability Resource Center. Such documentation should provide as complete a picture of the individual’s current functioning as possible. Documentation from an appropriately licensed or certified professional is preferred and DRC staff are available to assist students in obtaining and reviewing documentation. It is recommended that students with disabilities contact a Disability Specialist as soon as possible after making the decision to enroll as some accommodations may require additional documentation and/or time to implement. Complete student information on all related policies, procedures, and guidelines may be obtained at [www.csn.edu/drc](http://www.csn.edu/drc) or the DRC offices on each of the three main campuses.

In order to request accommodations for a disability, students should contact a Disability Specialist in the Disability Resource Center on any of our three main campuses, or visit our website at [www.csn.edu/drc/](http://www.csn.edu/drc/).

Charleston.....	702-651-5644
Henderson.....	702-651-3795
North Las Vegas.....	702-651-4045
Deaf and Hard of Hearing.....	702-651-4448
Video Phone .....	702-475-4676

## EARLY CHILDHOOD EDUCATION LAB PROGRAM

The Early Childhood Education Lab Program (ECE Lab) is a nationally accredited preschool and child care program for children ages six months through five years, that also functions as a laboratory site within CSN’s Department of Education for students studying Early Childhood Education and related fields.

The ECE Lab Program has sites at the Charleston and North Las Vegas Campuses, and enrolls children of faculty, staff, students, and the community. Hours of operation are Monday through Friday 7:30 a.m. to 6 p.m., with closures for all state holidays and CSN’s closing periods. Class sizes are limited and there are waiting lists for all age groups. Early application is strongly recommended. For further information, visit our website at <https://www.csn.edu/daycare>.

Or contact the ECE Lab at:

Charleston.....	702-651-7390
North Las Vegas.....	702-651-4004

## ENGLISH AS A SECOND LANGUAGE

The Department of World Languages’ ESL Program, which is fully accredited by the CEA, offers to both international and local students (including those referred to as “generation 1.5”) 20 courses including integrated skills, grammar, reading, listening/pronunciation, conversation, writing, and editing. Most courses are available in the morning, afternoon, and evening, and many are now offered online. A free placement test is required for new students. For more information, contact one of the two full-service language labs:

Charleston.....	702-651-5736
North Las Vegas.....	702-651-4475

## LANGUAGE LABS

The Language Labs located on the Charleston and North Las Vegas campuses administer English as a Second Language (ESL) placement testing. The Charleston and North Las Vegas Labs also offer international-language students access to audio, video, and computer materials used in developing language proficiency. These materials are also available on several computer stations housed within the Henderson Library.

## CSN LIBRARIES

CSN Libraries support the research and academic needs for the college. CSN has libraries on the Charleston, North Las Vegas, and Henderson campuses with expert research assistance from





librarians, collections of research materials, computers and laptops for use in the libraries, group study rooms, and more. Our extensive online library provides 24/7 access to online resources from any location, on- or off-campus, research assistance via chat and email, and a variety of tutorials and guides to help you complete your assignments. All CSN students are eligible to have CSN library privileges, including a library card which can be used at UNLV and NSC for checkout. CSN Libraries participate in interlibrary loan and online document delivery programs to support borrowing of materials from other libraries. Please visit the library website at [www.csn.edu/library](http://www.csn.edu/library) for complete information on library resources, hours of service, locations, phone numbers, and policies.

## PERFORMING ARTS CENTER

The College of Southern Nevada's Performing Arts Center, provides quality artistic, cultural, educational, and entertainment opportunities for the college and the community. It is located in the heart of the North Las Vegas campus at 3200 East Cheyenne Avenue. CSN's Performing Arts Center is home to the Nicholas J. Horn and the BackStage Theatres where a variety of theatrical shows, music productions, lectures, activities, and other special events are presented each year. Students, staff members, and the community are all welcome to drop by to experience the live performances and enjoy these memorable events. Show tickets are available for purchase online at [www.csn.edu/pac](http://www.csn.edu/pac). Patrons can also visit the Performing Arts Center Box Office, located in the lobby of the Horn Theatre for more information; call the box office at: 702-651-LIVE (5483); or, send an email to [info.pac@csn.com](mailto:info.pac@csn.com).

## PLANETARIUM AND OBSERVATORY

CSN's Planetarium, the only public planetarium in Southern Nevada, presents performances to the community that feature re-creations of the night sky on its 30-foot diameter domed screen that depict the relative motions of the sun, moon, planets, and stars. Our Digistar™ HD digital projection systems provide science oriented virtual reality experiences.

The Planetarium is located in Room S146 at the south entrance of the North Las Vegas campus. Free telescope viewing sessions are held after Friday and Saturday evening public shows in the nearby Student Observatory on clear nights. Special telescope viewing sessions are also scheduled whenever notable astronomical events occur. The Planetarium, in cooperation with the National Aeronautics and Space Administration (NASA), also operates the NASA/Nevada Regional Educator Resources Center. The Center, located in Room S222-B on the North Las Vegas campus, provides science, technology, engineering, and mathematics (STEM) materials to teachers and educators for classroom use.

For information, visit our website at [www.csn.edu/planetarium](http://www.csn.edu/planetarium), or call:

Astronomy Hotline.....702-651-4SKY (4759)

## RECRUITMENT AND COLLEGE CONNECTION SERVICES

Recruiters are dedicated professionals who provide personal assistance to prospective and newly admitted CSN students throughout the entire college exploration, intake, admissions, and course registration process. In addition to working with traditional high schools, recruiters also work with local businesses, community groups, government agencies, and underserved populations to increase access to CSN's many educational and occupational opportunities. Recruiters regularly schedule campus tours and conduct large-scale outreach events throughout the year. To contact us, please visit [www.csn.edu/studentrecruitment](http://www.csn.edu/studentrecruitment) or call the Office of Recruitment and College Connections at 702-651-7416.

## REENTRY PROGRAM

The ReEntry program provides eligible students in Career and Technical Education programs (AAS, AB and Certificate) with tuition, books and support services assistance. Students belonging to the following special populations are encouraged to apply: low income, single parents, educationally disadvantaged, displaced homemaker, individuals with disabilities, or students declaring a non-traditional occupational degree. The program also provides information on pre-apprenticeship training for women.

Students must complete a Free Application for Federal Student Aid (FAFSA) each year; declare a major field of study in an AAS, AB degree, or certificate program; participate in required meetings and programming; maintain adequate academic progress; and demonstrate financial need to be considered for ReEntry services.

Students who qualify for the ReEntry program may be eligible for:

- **Financial Assistance** – Funds may be available to assist with the cost of tuition, books, transportation, uniform, and/or equipment.
- **Textbook Assistance Program (TAP)** – Available to all CSN students, this service provides textbook loans to students on a per semester basis, depending on availability. Eligible students must sign up with the ReEntry program and present a class schedule and booklist corresponding with the requested textbook.
- **Career Workshops** – Topics may include job search skills, resume and cover letter preparation, career planning, dress for success, budgeting, building a support network, special topics for single parents, time management, etc.
- **Career Advisement/Guidance** – Non-traditional career exploration and career decision-making skills.
- **Career Experience** – Find internships, part-time and summer jobs, and volunteer opportunities to gain career related experience and build skills such as teamwork, task completion, time management and timeliness, communication skills, etc.

Visit our website at [www.csn.edu/reentry](http://www.csn.edu/reentry) or call:

Charleston..... 702-651-5089  
 Henderson..... 702-651-3174  
 North Las Vegas..... 702-651-4681



## STUDENT AMBASSADOR PROGRAM

Student Ambassadors are current CSN students selected and trained to work alongside Student Services staff to provide peer-to-peer outreach and enrollment support to prospective and entering CSN students. Student Ambassadors are friendly, enthusiastic and outgoing individuals with strong public speaking skills and a great sense of pride in CSN. Benefits of being a Student Ambassador include becoming part of a prestigious and dynamic student program, developing leadership skills, gaining valuable work experience and earning above average hourly pay rates. Applicants must be full-time students in excellent academic standing (3.5 cumulative GPA or higher).

Those interested in learning more about the program and/or applying to become an ambassador may go to our website at [www.csn.edu/ambassador](http://www.csn.edu/ambassador), or call Maria Ubaldo from the Office of Recruitment and College Connections at 702-651-4289.

## STUDENT GOVERNMENT

The Associated Students of the College of Southern Nevada (ASCSN) is comprised of an elected student body that represents all CSN students. ASCSN is committed to encouraging students to strive to achieve their educational goals by providing them with information and resources. ASCSN provides a variety of activities to promote social interaction amongst students.

### Student Clubs and Organizations

Student Government awards funds to official student clubs and organizations. Through this funding, approximately 42 clubs and organizations are able to host a variety of extracurricular events:

- Accounting Club
- Alternative Processes Photography Club
- American Sign Language Club
- A.N.T.S. (Alliance of Non-Traditional Students at CSN)
- Arcadia Anime Escape
- Biology Club
- Black Student Association
- Cardio Respiratory Sciences Club
- C.E.O Club
- Collegiate Association For The Research of Principles
- Chemistry Club
- Criminal Justice Association of CSN
- CSN Anthropology Club
- CSN Brother 2 Brother Club
- CSN Choir Club
- CSN Conservative Leadership Club
- CSN Creative Writing Club
- CSN Culinary Club
- CSN Haiku Club
- CSN Philosophy Club
- CSN Reagan Republican Club
- CSN Sister 2 Sister Club
- CSN Spanish Club

- CSN Student Nurses' Association
- Dental Hygiene Association (SADHA)
- Gender & Sexuality Alliance
- Gaming Cluster Coalition Club
- Generation Dreamers
- International Student Association
- Italian Club
- Japanese Language Club
- Jazz Club
- Living Sociology Club
- Multicultural Club
- National Association of Veterinary Technicians in America (SCNAVTA)
- Nursing Pinning Club (Senior Student Nurses)
- Performing Arts Club
- Phi Theta Kappa Club
- Psychology Club
- Sonography Student Association
- Student Organization of Latinos and Allies
- Surgical Conscience Club

## STUDENT LIFE AND LEADERSHIP DEVELOPMENT

The Department of Student Life and Leadership Development enhances the co-curricular experience by working with students, student government, student clubs, faculty, and staff to develop engagement initiatives which ensure opportunities for cultural sensitivity, awareness, and personal growth. The Department of Student Life and Leadership Development spearheads programs and workshops which develop academic, cultural, social programs, and activities that support the mission of the college. We champion preparing students for life-long learning and global citizenship by promoting and supporting campus activities that appeal to a diverse community.

### CSN Student Leadership Academy

The CSN Student Leadership Academy is a certificate program sponsored by the College of Southern Nevada. The program consists of a series of workshops focusing on leadership development. These workshops help students significantly improve their leadership competencies as well as enhance future leadership potential. Key topics include Conflict Management, Effective Organizational Skills, Publicity, Organizational Development and Delegation, Strategic Time Management, Conducting Effective Meetings, Team Building Activities, and Leadership Styles. For more information, please call 702-651-4051.

### CSN Student Professional Development Program

The CSN Student Professional Development Certificate Program is sponsored by the College of Southern Nevada Department of Student Life and Leadership Development and Career Services. The program offers students the opportunity to



participate in workshops aimed at enhancing employability skills, professional growth, and career development. Key topics include Business Survival Basics, Dining Etiquette, How to Write the Perfect Resume, Interview Like a Pro, Job Search Tips, Career Planning and Assessment, Networking Strategies, Researching Organizations for Your Dream Job, Marketing Leadership and Transferable Skills, Public Speaking, How to Work a Career Fair, The 4-Year Transfer and Beyond, and Embracing Diversity in Leadership. For more information, please call 702-651-4051.

## CSN Serves

CSN Serves is the volunteer and service learning component of Student Life and Leadership Development. We provide and promote volunteer opportunities at the College of Southern Nevada for students, faculty, and staff. CSN Serves partners with various agencies in Southern Nevada to provide invaluable volunteer experiences. Students are encouraged to step out of their comfort zones and become entrenched in the Southern Nevada community through our regularly scheduled monthly events. For more information, please call 702-651-4669.

## TRiO STUDENT SUPPORT SERVICES

The TRiO Student Support Services is a federally funded program designed to provide academic support, guidance, and advocacy to first-generation, financial aid eligible, and/or disabled students seeking to complete a two-year degree at CSN and/or transfer to a four-year college or university. Services are offered within a very intensive, integrated, and individualized contact system that encourages participants to develop persistence, self-discipline, responsibility, and confidence. Final acceptance into the program will be determined by a two-tier interview process to ascertain academic need and an ability to benefit. All TRiO services are free of cost to participants. The TRiO Program is located on the North Las Vegas campus, Room E109. For more information call 702-651-4441 or visit [www.csn.edu/trio](http://www.csn.edu/trio).

## VETERANS EDUCATIONAL AND TRANSITION SERVICES (VETS)

The main purpose of this office is to certify the enrollment of those veterans and their dependents/spouses using veteran's educational benefits. CSN VETS works as a liaison between the Department of Veteran's Affairs (VA) and VA Beneficiaries enrolled at CSN.

If you are a veteran or the dependent/spouse of a veteran and believe you may be eligible for Veteran's Education Benefits, visit the CSN VA website at [www.csn.edu/vets-center](http://www.csn.edu/vets-center) or visit [www.vets.gov](http://www.vets.gov) to complete the initial application for education benefits.

VA Beneficiaries accessing their benefits at CSN must complete the following steps:

1. Contact the CSN VETS Center to obtain the necessary documentation to initiate the VA benefits process.
2. Veterans Educational Benefit recipients utilizing benefits for the first time at CSN must submit the required documentation in person to the Veterans Education and Transition Services (VETS) Center.

3. Take placement tests for English and Math (if applicable).
4. Request official transcripts from ALL previous training, college credits, work experience, on-the-job, vocational or trade school, the Joint Services Transcript (JST), and/or Community College of the Air Force (CCAF) transcripts to be sent to the CSN Office of the Registrar.
5. Maintain Standard of Progress with a 2.00 cumulative grade point average (CGPA); a lower CGPA may result in probation/suspension. VETS will report to the VA Regional Office grades of W or AU, which could result in an overpayment of benefits.

For additional information, please contact us at 702-651-5060 or for general information on VA education benefits, VA Beneficiaries can visit the [www.vets.gov](http://www.vets.gov) website.

## Veterans Beneficiary Standard of Progress

The Standard of Progress for VA Beneficiaries is the same policy as prescribed by the Office of Registrar. Failure to follow Standard of Progress may result in the discontinuation of educational benefits.

## VA Rate of Pursuit for Chapter 33 Post 9/11 Recipients

Monthly Housing Allowance (MHA) payment amounts are based on the Department of Defense's Basic Allowance for Housing (BAH) rates for an "E-5 with dependents" for the zip code of the school. BAH rates can be found at the following website: [www.defensetravel.dod.mil/perdiem/bah.html](http://www.defensetravel.dod.mil/perdiem/bah.html).

Monthly Housing Allowance amounts are prorated based on a student's benefit level and may be further reduced based on the rate of pursuit rounded to nearest multiple of 10. Benefits are only payable when the rate of pursuit is more than 50%. Active duty recipients and their spouses utilizing Post 9/11 benefits will not be eligible for MHA.

For students solely enrolled in distance courses and whose rate of pursuit is more than 50% will receive one-half of the BAH national average.

## Prior Learning Experience Transfer Credit

At the College of Southern Nevada, there are several ways in which you may be able to use your military experience to finish your degree sooner than you think. Use the links below to find out how you can maximize your training and experience as you pursue your degree at CSN. VA Beneficiaries wanting to transfer credits from regionally accredited institutions of higher education must have an official transcript mailed directly to CSN or the unopened transcript can be hand carried to the Office of the Registrar. VA beneficiaries who attended a foreign university or college must have their credits evaluated by a member of the National Association of Credential Evaluation Services (NACES). Have questions? Contact the CSN Transfer Team at [https:// www.csn.edu/form/contact-request-form](https://www.csn.edu/form/contact-request-form).



## Application of Prior Learning Credit, CSN Credit and Certification of Courses

It is the student's responsibility to submit all official transcripts for any prior military and college credits to the Office of the Registrar within 24 weeks of your matriculation. Keep in mind upon completion of the evaluation we will conduct a full audit of your file. Prior learning credit will be applied to the declared program of study's graduation requirements in the order in which the course(s) were completed. If any prior education or experience satisfies a requirement in which benefits were received, it may cause a debt and repayment will be required. VETS can only certify courses that are included on the declared degree sheet or that are pre-requisites for courses included on the declared degree sheet that meet remaining graduation requirements for the declared program of study.

## Free Evaluation of Military Training

CSN offers a free evaluation of military training and experience for college credit. All credit granted for military training is given based on the American Council on Education (ACE) guide recommendations. To request an official evaluation of your military experience and training for college credit, please request an official transcript using the links below.

- Joint Services Transcripts (JST) (<https://jst.doded.mil/official.html>) (Army, Navy, Marine Corps, Coast Guard, and Merchant Marines)
- Community College of the Air Force (<http://www.airuniversity.af.mil/Barnes/CCAF/>)

## The ACE Military Guide

The ACE (American Council on Education) Military Guide (Guide to Evaluation of Educational Experiences in the Armed Services) is on the web at: <http://www.acenet.edu/news-room/Pages/Military-Guide-Online.aspx>.

## Transfer Articulation

Effective Fall 2017\*, transfer credit awarded for prior learning from military education or for coursework successfully completed at a regionally accredited institution in which "elective" credit is awarded will satisfy a degree requirement listed as the introductory college level courses offered in that discipline at CSN, unless otherwise specified.

- Transfer course of PSY LELC will satisfy PSY 101 or above.
- Transfer course of CHEM LELC will not satisfy CHEM 105 or above (CHEM 103 is the introductory course in that discipline but does not meet the natural science graduation requirement)
- Transfer course of AM LELC will satisfy AM 145 or above
- Transfer course of a world language elective (i.e. LELC) will not satisfy an academic world language graduation requirement of 111 or above
- Conversational world language courses (i.e. CHI 101B, FIL 101B, FREN 101B, GER 101B, ITAL 101B, JPN 101B, KOR 101B, PORT 101B, AND SPAN 101B) do not meet the Humanities requirement for the Associate of Arts (AA)

and Associate of Business (AB) degree programs nor do they meet the Fine Arts/Humanities/Social Science requirement for Associate of Applied Science (AAS) degree program.

**\*This rule does not apply to any transcript evaluation completed prior to the Fall 2017.**

## Alternative Credit Options

Many VA Beneficiaries have extensive knowledge gained through prior schooling, training, or on-the-job experience. Through CSN, you may have the opportunity to earn additional credit toward your degree through a variety of options.

- Advanced Placement (AP) (<http://apcentral.collegeboard.com/home>)
- College Level Examination Program (CLEP) (<https://clep.collegeboard.org>)
- Non-Traditional Education (NTE) [www.csn.edu/vets-center](http://www.csn.edu/vets-center) (and then click on "alternative credit options")

## Practicums, Practical Experience, Practical Application, On-the-Job Training, Cooperative Education, and Clinical Experience

VA Beneficiaries may be required to take practical training courses in the form of internships, practicums, or residencies depending on the academic discipline in which they are enrolled. This training may be accomplished at College of Southern Nevada (CSN) facilities or at offsite locations, depending on the specialty. All such courses share commonalities, including:

- VA Beneficiaries must register in advance, when applicable.
- CSN instructors are responsible for developing course requirements and supervising the progress of VA Beneficiaries.
- Regular meetings between VA Beneficiaries and instructors provide opportunities for guidance and evaluation. These interactions are generally held on a weekly basis.
- Practical training experiences require significantly more time than a regular course.
- VA Beneficiaries are evaluated on their progress and assigned either a letter grade or a satisfactory/unsatisfactory grade, as determined by the appropriate academic department. The satisfactory grade is not calculated into the VA Beneficiary's GPA.
- All practicums, internships, or residencies are granted full credit toward graduation, do not extend degree requirements, and are mandatory in several degree and credential programs.

## Substitution Waivers

For VA certification purposes, completed substitution waivers are effective at the end of the term in which the course(s) was/were taken and the grade required for graduation is posted. It is the responsibility of the VA Beneficiary to notify the VETS Office of any substitution waivers.





## Tuition or Fees Not Covered by VA Education Benefits

The term “tuition and fees” means the total cost for tuition and fees for a course a school charges all students whose circumstances are similar to VA Beneficiaries enrolled in the same course. “Tuition and fees” does **not** include the cost of supplies or books that the VA Beneficiary is required to purchase at his or her own expense nor does it include out-of-state tuition, the Excess Credit Fee, or the New Student Application Fee.

## Hybrid Courses

For VA certification purposes, hybrid courses are categorized as either hybrid resident or hybrid on-line. For Chapter 33 Post 9/11 GI Bill beneficiaries, hybrid on-line do not meet the residency requirement for Resident Basic Allowance for Housing (BAH).

## Remedial Courses

Math (MATH), English (ENG), and/or Reading (READ) remedial courses (below 100 level) that are required (per placement exam) to meet graduation requirement must be taken in-person in order to be certified. These remedial courses cannot be taken in the on-line or hybrid method of instruction. Please contact the VETS Center to inquire about certification for math stretch courses.

## Repeating Courses

Classes that are successfully completed may not be certified for again for VA purposes if they are repeated. However, if a VA Beneficiary fails a class, or if a program requires a higher grade than the one achieved in a particular class for successful completion, that class may be repeated and certified to VA again.

- Example 1. If a student receives a passing grade in a pre-requisite for a required course but the grade is not sufficient as stated in the catalog, the VA will pay for the repeat.
- Example 2. If a course is required for graduation, a VA Beneficiary may repeat the course and be certified for it until it is successfully completed.
- Example 3. If a VA Beneficiary chooses to repeat a course that was successfully completed, just to improve their GPA, that course cannot be certified to VA.

Exceptions will be made for students who are choosing to Round Out.

## Round Out

A VA student can round out a schedule with non-required courses to bring his/her course load up to a full-time schedule in his/her last term only. This allows students to continue to receive benefits at the full-time rate in their last term of enrollment, even though fewer credits are required to complete the program. This procedure can be done only once per program. In rounding out a full-time schedule, VA students may use any credit hour unit subject, including a subject that has previously been successfully completed (received a passing grade).

**NOTE:** Chapter 31 Vocational Rehabilitation Students are not eligible for round out

## Student Military Mobilization/Activation for NSHE Institutions

The Board of Regents recognizes that many of its students serve our country in the reserve forces of the U.S. Armed Services and in the Nevada National Guard. These students are subject to unforeseen mobilization or activation in response to local, regional, national, or international emergency situations. Emergency mobilization and activation will seriously disrupt these students’ academic careers. It is the policy of the Board of Regents to minimize the effects of this disruption as much as possible. These procedures are established in accordance with Board policy (Title 4, Chapter 16), whereby the Chancellor shall develop procedures concerning the awarding of academic credit and grades, enrollment, scholarships, loans, and other appropriate matters intended to minimize the disruption of studies for a student and the student’s spouse and dependents resulting from a call to active duty.

In order to qualify under the provisions of these policies, a student must present official military orders indicating his/her mobilization or activation to the Registrar, Dean of Students, Vice President for Student Life, or other appropriate university/college official. The student will be informed of the procedures to be followed. If, due to time constraints between the time of notification and the time of actual mobilization or activation, the student cannot present his/her orders as required, the parents, guardians, or spouse of the student may do so. Please see Chapter 6 Section 13 of the Nevada System of Higher Education (NSHE) Procedures and Guidelines Manual for additional information.

## Programs Not Approved to Receive VA Education Benefits

Except for Chapter 31 Vocational Rehabilitation beneficiaries, the following programs are NOT approved for VA Education benefits:

### Associate of Applied Science Degrees

- Aviation Technology Professional Pilot

### Certificates of Achievement

- Certificate of Achievement in Aviation Technology
- Military Medic to LPN

### Apprenticeship Studies All Emphases (All Emphases)

### Skills Certificates / Certificates of Completion

### All Skills Certificates and Certificates of Completion

**NOTE:** This list is subject to change. Please contact VETS for the most current list of programs not approved by the VA



## OFFICE OF eLEARNING

The College of Southern Nevada is a leader in eLearning, offering fully accredited degrees to students. Students can choose from a variety of degree programs.

### Associate of Arts

- Associate of Arts degree
- Communication
- Criminal Justice
- Early Childhood Education
- Elementary Education
- English
- History
- Psychology
- Secondary Education - Life and Physical Sciences
- Sociology
- Special Education
- World Languages

### Associate of Applied Science

- Accounting
- Business Management
- Computing and Information Technology - Software - Programming
- Computing and Information Technology - Software - Web Development
- Criminal Justice

### Associate of Business

- Associate of Business degree

### Associate of General Studies

- Associate of General Studies degree

### Bachelor of Applied Science

- Fire and Emergency Services Administration

### Certificate of Achievement

- Casino Management
- Criminal Justice
- Hotel Management
- Medical Transcription

## What is eLearning?

eLearning is an innovative development in higher education that uses technology to facilitate learning without the limitations of time or place. CSN offers courses online so that students around the world can complete a certificate or associate's degree without stepping foot in a classroom.

eLearning students use state-of-the-art technology to connect to faculty members, course mates, and advisors. The great advantage of eLearning is that it gives students the flexibility to achieve an appropriate balance of work, family, community, and educational commitments.

CSN's online courses link students with their faculty member and course mates online through the World Wide Web (Canvas). Online courses are asynchronous, which means that students can sign on and participate at times convenient to them.

Online students need to be prepared to interact with their faculty member and course mates in writing. Strong reading and writing skills in the English language are critical.

The Online Campus creates convenient, high-quality learning opportunities in order to increase capacity and meet the immediate and long-term needs of the community. This endeavor specializes in high quality courses and comprehensive student services, and pursues continuous improvement and innovation. CSN has a strategy that includes developing college-wide expertise in online learning, a systems approach to online learning support, a branding of its program characteristics, and a focus on achieving desired learning outcomes along with student and faculty satisfaction. The Online Campus has a centralized web presence with exemplary online student services, a comprehensive student orientation to online learning and Canvas, and faculty resources.

## Typical elements of online courses include:

- asynchronous, frequent student and faculty participation
- lectures and assigned readings (from textbooks and online resources)
- individual and group assignments (for example, case studies and discussion questions)
- individual and group papers
- use of online library resources
- online and proctored quizzes and examinations

## What do I need to be successful?

Success in online courses depends on self-discipline and the ability to learn without face-to-face interaction. CSN's online courses maintain the same rigor and high standards of its classroom courses. Academic progress is established and maintained through regular course participation.

Online students need to be prepared to interact with their faculty member and course mates in writing. Strong reading and writing skills in the English language are critical. CSN now has a Student Online Readiness course to prepare you to be more successful when taking online courses at CSN. To access the Student Online log in here <https://go.csn.edu/LoginPolicy.jsp>. On the next page select MyCoyoteSuccess and then the Student Online Readiness Assessment. At the successful completion of the course you will receive a certificate that you can share with your instructors.

## What are the technical requirements to take an online course?

To participate in an online course via the World Wide Web, you should have:

- an Internet service provider (ISP)
- an active CSN student email account, and
- Some courses, such as those in business, finance, and accounting, require additional software such as a Windows-based spreadsheet program or MS Project.



## What is an ePortfolio?

CSN offers students access to an ePortfolio through classes they are enrolled in. Students can collect and organize their work from both inside and outside the classroom. From their latest class essay to photos and comments posted during study abroad, the ePortfolio enables students to integrate classroom, co-curricular, life, and work experiences. The ePortfolio supports all common file types – from documents and spreadsheets to sound recordings, photographs, and video clips.

### Contact Information:

Office of eLearning  
 702-651-5619 (main phone number)  
 702-651-5741 (fax)  
 Charleston Campus  
 Sort Code – WCC213  
[elearning@csn.edu](mailto:elearning@csn.edu)

## CANVAS

### Steps to log into Canvas:

- **First, ensure your Student Network account is up and running.** You must activate your CSN student network account to log into Canvas. You can activate your account by going to: <https://csnstudent.csn.edu/stuverify/>. Please be patient since once you have activated your account because it may take up to a day for the account to become active.

**Reminder!!!** You will not be able to access your online course until the first day the course begins. Make sure you know when the first day of your online class is set to begin and log in that day.

1. After your CSN student network account is active:  
Go to [www.csn.edu](http://www.csn.edu)
2. On the top of the page, click on Login
3. On the new page click on Canvas – Online Courses
4. On the next page you will need to enter your username and password for GoCSN.
5. On the new page click on Canvas - Online Courses.
6. It's that simple, you should now see your courses!



## SCHOOL OF ADVANCED AND APPLIED TECHNOLOGIES

The School of Advanced and Applied Technologies is comprised of three departments offering a wide variety of programs leading to...

- Associate of Applied Science (AAS) degree
- Certificates of Achievement (CA)
- Certificates of Completion (CoC)
- Skills Certificates (SC)

...and preparing students to meet the high-tech training demands of Southern Nevada’s workforce.

The School offers courses on all CSN campuses, both during the day and evening with selected Saturday offerings. All programs emphasize hands-on learning along with theory and are offered in well-equipped classrooms and laboratories. Computer laboratory facilities, open seven days a week, are also available.

### Departments:

- Applied Technologies
- Computing and Information Technology
- Media Technologies

### Programs, Degrees, and Certificates:

#### DEPARTMENT OF APPLIED TECHNOLOGIES

##### Air Conditioning Technology Program

AAS	Air Conditioning Technology	53
CA	Air Conditioning Technology	55
AAS	Air Conditioning Technology: Central Plant	57
CA	Air Conditioning Technology: Central Plant	58
AAS	Air Conditioning Technology: Critical Systems	59
CA	Air Conditioning Technology: Critical Systems	61
AAS	Air Conditioning Technology: Food Service Refrigeration	62
CA	Air Conditioning Technology: Food Service Refrigeration	64

##### Architectural Design Technology Program

AAS	Architectural Design Technology: Interior Design	87
AAS	Architectural Design Technology: Residential Design	88

##### Automotive Technology Program

AAS	Automotive Technology: Alternative Fuels and Hybrid Technician	92
AAS	Automotive Technology: Collision Repair	93
CA	Collision Repair	94
CA	Automotive Technology: Diagnostic Specialist	95
CA	Automotive Technology: Heavy-Line Specialist	96
AAS	Automotive Technology: Master Technician	97
AAS	Automotive Technology: Performance Technician	98
AAS	Automotive Technology: Service Technician	99
CA	Auto Maintenance and Light Repair	100

##### Aviation Technology Program

AAS	Aviation Technology: Flight Operations	101
AAS	Aviation Technology: Professional Pilot	102
CA	Aviation Technology	103

##### CADD Technology Program

CA	CADD Technology	111
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##### Construction Management Program

AAS	Construction Management	143
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##### Diesel Heavy Equipment Program

AAS	Diesel Heavy Equipment Master Technician	174
CA	Diesel Heavy Equipment Maintenance Technician	175

##### Engineering Technology Program

AAS	Engineering Technology: Electronics – Bench Technician	194
AAS	Engineering Technology: Electronics – Biomedical Equipment Technician	196
AAS	Engineering Technology: Electronics – Defense Contractor Technician	198
CA	Engineering Technology: Electronics	200
AAS	Engineering Technology: Industrial	201
CA	Engineering Technology: Industrial	202
CA	Engineering Technology: Management	203
AAS	Engineering Technology: Operations	204
CA	Engineering Technology: Operations	206
AAS	Engineering Technology: Power Utility – Electrical Maintenance	207
CA	Engineering Technology: Power Utility – Electrical Maintenance	209
AAS	Engineering Technology: Power Utility – Mechanical Maintenance	210
CA	Engineering Technology: Power Utility – Mechanical Maintenance	212
AAS	Engineering Technology: Power Utility – Plant Operation	213
CA	Engineering Technology: Power Utility – Plant Operation	215
AAS	Engineering Technology: Self-Service Device Technicians	216
CA	Engineering Technology: Slot Repair	218
AAS	Engineering Technology: Slot Technology Technicians	219
AAS	Engineering Technology: Telecommunications	221
CA	Engineering Technology: Telecommunications	223
AAS	Engineering Technology: Theatre Technology	224
CA	Engineering Technology: Theatre	226

##### Floral Design Technology Program

AAS	Floral Design Technology	238
CA	Floral Design Technology	240
SC	Floral Design	
SC	Floral Design: Special Events & Weddings	

##### Water/Wastewater Treatment Program

AAS	Water/Wastewater Treatment: Wastewater Treatment	321
CA	Water/Wastewater Treatment: Wastewater Treatment	322
AAS	Water/Wastewater Treatment: Water Treatment	323
CA	Water/Wastewater Treatment: Water Treatment	324

##### Welding Technology Program

AAS	Welding Technology: Advanced Level Welder	325
CA	Welding Technology: Entry Level Welder	327





**DEPARTMENT OF COMPUTING AND INFORMATION TECHNOLOGY**

**Computing and Information Technology Program**

AAS	Computing and Information Technology: Cyber Security – Digital Forensics.....	123
CA	Computing and Information Technology: Cyber Security – Digital Forensics.....	125
AAS	Computing and Information Technology: Cyber Security – Network Security.....	126
CA	Computing and Information Technology: Information Management – Network Infrastructure Analyst .....	128
SC	Cisco Certified Network Professional	
CA	Computing and Information Technology: Information Management – Software Analyst .....	129
CA	Computing and Information Technology: Information Management – Virtual Computing Analyst.....	130
AAS	Computing and Information Technology: Networking – Client/Server .....	131
SC	Microsoft Certified IT Professional	
AAS	Computing and Information Technology: Networking – Linux.....	133
SC	CompTIA Linux+	
AAS	Computing and Information Technology: Networking – Router/Switch .....	135
SC	Cisco Certified Network Associate	
AAS	Computing and Information Technology: Software – Database .....	137
AAS	Computing and Information Technology: Software – Programming.....	139
AAS	Computing and Information Technology: Software – Web Development.....	141
SC	CompTIA A+ and Network+	
SC	CompTIA Project +	
SC	CompTIA Security +	
SC	Microsoft Office Master	

**DEPARTMENT OF MEDIA TECHNOLOGIES**

**Graphic Communications Program**

AAS	Graphic Communications: Graphic Design.....	246
AAS	Graphic Communications: Web Design .....	247

**Photography Program**

AAS	Photography: Commercial Photography.....	290
AAS	Photography: Videography and Film.....	291

**SCHOOL OF ARTS AND LETTERS**

Through studies in the School of Arts and Letters, you can explore foreign language and culture, literature, fine arts, and oral and written communication – while discovering a new world within yourself.

Whether your interest is in improving a skill for work, to expand your sensibilities about art, or to prepare for transfer to a four-year institution, the School of Arts and Letters will provide you with a myriad of options from which to choose from. We want students to understand and value their cultural and

intellectual heritages and those of others. We do so to foster an appreciation for lifelong learning, to enable students to be better prepared for changing work environments, and to encourage students to knowledgeably and responsibly contribute to society.

The School of Arts and Letters offers transferable general education courses through which you can explore a variety of interests and hone your oral and written communication skills with the guidance of highly skilled, engaging, and creative faculty

**Departments:**

- Communication
- English
- Fine Arts
- World Languages

**Programs, Degrees, and Certificates:**

**DEPARTMENT OF COMMUNICATION**

**Communication Program**

AA	Communication .....	119
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**Journalism/Media Studies Program**

AA	Journalism/Media Studies: Advertising/Public Relations .....	258
AA	Journalism/Media Studies: News Production .....	260

**DEPARTMENT OF ENGLISH**

**English Program**

AA	English.....	227
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**Creative Writing Program**

AA	Creative Writing.....	145
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**DEPARTMENT OF FINE ARTS**

**Art Program**

AA	Art .....	90
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**Dance Program**

CA	Dance.....	159
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**Music Program**

AA	Music.....	272
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**Theatre Program**

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**DEPARTMENT OF WORLD LANGUAGES**

**Deaf Studies Program**

AAS	Deaf Studies .....	160
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**World Languages Program**

AA	World Languages .....	330
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**Latin American and Latina/o Studies Program**

AA	Latin American and Latina/o Studies .....	262
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## SCHOOL OF BUSINESS, HOSPITALITY, AND PUBLIC SERVICES

The School of Business, Hospitality and Public Services offers a variety of courses and training necessary to prepare students to be successful in their chosen career field. In addition, the School offers programs for transfer students along with self-enhancement courses, all designed to meet the diverse needs of students. The School also provides certification programs and internship opportunities to better serve students and the community.

Included in the broad range of educational opportunities offered through the School are Associate of Business and Associate of Arts degrees for transfer students, Associate of Applied Science degrees in 15 occupational areas as well as a number of certificate programs.

### Departments:

- Accounting, Finance, and Computer Office Technology
- Business Administration
- Hospitality Management
- Public Safety and Human Services

### Programs, Degrees, and Certificates:

#### DEPARTMENT OF ACCOUNTING, FINANCE, AND COMPUTER OFFICE TECHNOLOGY

##### Accounting

AAS	Accounting	50
CA	Bookkeeping	52
SC	Bookkeeping	

##### Computer Office Technology Program

AAS	Computer Office Technology	120
CA	Computer Office Technology	122
SC	Administrative Assistant	
SC	Office Assistant	

#### DEPARTMENT OF BUSINESS ADMINISTRATION

##### Business Program

AB	Associate of Business	107
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##### Business Management Program

AAS	Business Management	108
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##### Marketing Program

AAS	Marketing	264
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##### Paralegal Studies Program

AAS	Paralegal Studies	280
CA	Paralegal Studies	282

##### Real Estate Program

AAS	Real Estate	306
CA	Real Estate	307
SC	Real Estate	

##### Retail Management Program

CA	Retail Management	308
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#### DEPARTMENT OF HOSPITALITY MANAGEMENT

##### Casino Management Program

AAS	Casino Management	116
CA	Casino Management	118

##### Culinary Arts Program

AAS	Culinary Arts	153
CA	Culinary Arts	155

AAS	Pastry Arts	156
CA	Pastry Arts	158

#### Food and Beverage Management Program

AAS	Food and Beverage Management	241
CA	Food and Beverage Management	243

#### Hotel Management Program

AA	Hospitality Management	254
AAS	Hotel Management	255
CA	Hotel Management	257

#### Tourism, Convention, and Event Planning Program

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CA	Tourism, Convention, and Event Planning	318

#### DEPARTMENT OF PUBLIC SAFETY AND HUMAN SERVICES

##### Criminal Justice Program

AA	Criminal Justice	147
AAS	Criminal Justice	149
CA	Criminal Justice	150
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	Law Enforcement Training Academy	151

##### Criminal Justice:

CA	Criminal Justice:	
	Law Enforcement Training Academy	152

##### Law Enforcement Training Academy (LETA):

##### Category 1

##### Law Enforcement Training Academy (LETA):

##### Category 3

##### Fire Technology Program

BAS	Fire and Emergency Services Administration	233
CA	Fire Science Technology: Fire Fighting	235
AAS	Fire Technology Management	236
SC	Fire Instructor I	
SC	Fire Officer I	
SC	Firefighter I	

##### Paramedic Medicine Program

AAS	Paramedic Medicine	283
CA	Paramedic Medicine	285
SC	Emergence Medical Technician (EMT): Basic	
SC	Emergence Medical Technician (EMT): Intermediate	

## SCHOOL OF EDUCATION, BEHAVIORAL AND SOCIAL SCIENCES

The School of Education, Behavioral and Social Sciences is comprised of three departments and offers courses in a variety of disciplines as part of the social sciences and pre-professional education curriculum of the institution. Students may take introductory courses in many of the disciplines as they work towards the Associate of Arts, and Associate of Applied Science degrees, and Certificates at CSN or towards a bachelor's degree in one of the NSHE comprehensive universities, colleges, or elsewhere. In addition to these, the School provides junior and senior level courses in education, philosophy, and economics for CSN's Bachelor of Science Degree in Dental Hygiene.



This School is multi-disciplinary and dedicated to meeting local, state, and national needs, while maintaining a global focus. It takes the view that many of the issues we face will find resolution not within the narrow confines of a particular discipline, but at the boundaries of the disciplines.

You will come to interact with professors and instructors who will challenge, assist, engage, instruct, and guide you as you make the journey to self-discovery, and local, state, national, and global awareness. We promise you a challenging and exciting curriculum that will change you and enable you to change your community and our world for the better.

**Departments:**

- Education
- Human Behavior
- Social Sciences

**Programs, Degrees, and Certificates:**

**DEPARTMENT OF EDUCATION**

**Early Childhood Education Program**

AA	Early Childhood Education.....	176
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AAS	Early Childhood Education: Early Care and Education.....	180
CA	Early Childhood Education: Infant/Toddler Education.....	182
CA	Early Childhood Education: Preschool Education .....	183

**Education Program**

AA	Elementary Education.....	188
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AA	Secondary Education: Life and Physical Science.....	191
AA	Secondary Education: Social Science and Other Fields .....	192
AA	Special Education.....	193

**DEPARTMENT OF HUMAN BEHAVIOR**

**Anthropology Program**

AA	Anthropology .....	65
AA	Anthropology – African Culture.....	67
CA	Cultural Resource Management.....	69
CA	Forensic Anthropology .....	70

**Applied Psychology**

AAS	Applied Psychology: Addiction Services .....	71
AAS	Applied Psychology: Aging Services .....	73
AAS	Applied Psychology: Child/Family Services.....	75
AAS	Applied Psychology: Community Social Services.....	77
AAS	Applied Psychology: Disability Services .....	79
AAS	Applied Psychology: Mental Health Services .....	81
AAS	Applied Psychology: Supervisory Services.....	83
CA	Applied Psychology: Mental Health Services .....	85

**Psychology Program**

AA	Psychology .....	302
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**Sociology Program**

AA	Sociology.....	309
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**DEPARTMENT OF SOCIAL SCIENCES**

**Economics Program**

AA	Economics.....	184
AA	Economics: Applied Financial Economics .....	186

**Global Studies Program**

AA	Global Studies.....	244
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**History Program**

AA	History.....	252
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**Philosophy Program**

AA	Philosophy.....	288
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**Political Science Program**

CA	Applied Politics/Political Management .....	296
AA	Political Science.....	297

**Women’s Studies Program**

AA	Women’s Studies .....	328
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**RALPH AND BETTY ENGELSTAD SCHOOL OF HEALTH SCIENCES**

The Ralph and Betty Engelstad School of Health Sciences offers a Bachelor of Science degree in Dental Hygiene as well as Bachelor of Applied Science degrees in Medical Laboratory Science and Cardiorespiratory Sciences. There are 12 Associate Degree programs; 8 Certificates of Achievement; and 9 Certificates of Completion. While the majority of health program pre-requisites and general education requirements may be taken at any of the three main campus locations, health program coursework is held primarily at CSN’s Charleston campus.

Entrance into many of the Health Sciences Programs is limited. The Health Programs Advisement Office holds weekly orientation on the step-by-step procedures for admission. Attending a Health Programs Orientation and meeting with a Health Programs Advisor is required of all students interested in applying to a Limited-Entry Program. The Health Advisement Offices are located at the Charleston, North Las Vegas, and Henderson campuses.

**Departments:**

- Dental Sciences, Diagnostic Evaluation and Rehabilitation Services
- Health Related Professions
- Nursing

**Programs, Degrees, and Certificates:**

**DEPARTMENT OF DENTAL SCIENCES, DIAGNOSTIC EVALUATION, AND REHABILITATION SERVICES**

**Dental Hygiene Program**

AS	Dental Hygiene .....	165
BS	Dental Hygiene: Education Specialist .....	167
BS	Dental Hygiene: Public Health Specialist.....	168

**Dental Assisting Program**

CA	Dental Assisting: Clinical .....	164
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**Diagnostic Medical Sonography Program**

AAS	Diagnostic Medical Sonography: Cardiac/Vascular Ultrasound Track .....	170
AAS	Diagnostic Medical Sonography: General/Vascular Ultrasound Track .....	172



**Medical Laboratory Program**

BAS	Medical Laboratory Scientist.....	266
AAS	Medical Laboratory Technician.....	268
SC	Phlebotomy	

**Ophthalmic Technology Program**

AAS	Ophthalmic Technology: Ophthalmic Dispensing Technician.....	278
SC	Ophthalmic Technology: Contact Lens Technician	
SC	Ophthalmic Technology: Ophthalmic Dispensing Technician	
SC	Optical Laboratory Technician	

**Physical Therapist Assistant Program**

AAS	Physical Therapist Assistant .....	294
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**Radiation Therapy Program**

AAS	Radiation Therapy Technology.....	304
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**DEPARTMENT OF HEALTH RELATED PROFESSIONS**

**Cardiorespiratory Sciences Program**

BAS	Cardiorespiratory Sciences .....	112
AAS	Cardiorespiratory Sciences .....	114

**Health Information Technology Program**

AAS	Health Information Technology.....	248
CA	Medical Coding.....	250
CA	Medical Transcription.....	251

**Medical Assisting Program**

CA	Medical Assisting.....	270
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**Pharmacy Technician Program**

CA	Pharmacy Technician.....	287
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**Surgical Technology Program**

AAS	Surgical Technology .....	311
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**Veterinary Technology Program**

AAS	Veterinary Technology .....	319
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**DEPARTMENT OF NURSING**

**Nursing Program**

AAS	Nursing.....	274
AAS	Nursing: LPN to RN .....	276
SC	Nursing Assistant	

**Practical Nursing Program**

CA	Practical Nursing.....	299
CA	Practical Nursing: Military Medic/ Corpsman to LPN .....	301

**SCHOOL OF SCIENCE AND MATHEMATICS**

The School of Science and Mathematics provides excellence in instruction and learning in mathematics and sciences to a diverse student body. The School’s curriculum is designed to develop students’ critical thinking skills and to promote their scientific and mathematical knowledge and understanding. The School offers 2 different emphases of the Associate of Science degree—Biology and Physical Science.

School faculty provide outstanding teaching in classrooms, lab-settings, and via online courses. These faculty not only have outstanding academic backgrounds, but they also have proven records of outstanding teaching. Many are also active in their professional organizations to keep current in their fields.

**Departments:**

- Biological Sciences
- Mathematics
- Physical Sciences

**Programs, Degrees, and Certificates:**

**DEPARTMENT OF BIOLOGICAL SCIENCES**

**Biological Sciences Program**

AS	Biological Science.....	104
AS	Associate of Science .....	105

**DEPARTMENT OF PHYSICAL SCIENCES**

**Physical Sciences Program**

AS	Physical Sciences .....	292
AS	Associate of Science .....	105

**DIVISION OF APPRENTICESHIP STUDIES**

CSN has formed credit granting partnerships with several area registered apprenticeship programs. These programs are required to adhere to a set of standards as developed by the United States Department of Labor, Bureau of Apprenticeship and Training. The specific requirements for the standards are listed in Nevada Revised Statute 610, and each program’s standards are reviewed and approved by the Nevada State Apprenticeship Council. Additionally, program curriculum is reviewed and approved by the Nevada Department of Education. A minimum of 144 hours of related instruction is required for each year of apprenticeship, and the period of indentureship ranges from a minimum of two to a maximum of five years depending on the particular apprenticeship program. Individuals become indentured through the Joint Apprenticeship and Training Committee selection process. A specific Associate of Applied Science (AAS) and/or Certificate of Achievement are available to any enrolled, registered apprentice. College credit is awarded for the special program courses taught and paid for by the apprenticeship partner. Individual apprentices are required to enroll in general education courses required for completion of the AAS and/or Certificate.

For information about the qualifications necessary for entering the various programs, please contact the CSN Division of Apprenticeship Studies office at 702-651-4127.

**Degrees/Certificates by Approved program partnerships include:**

**BRICKLAYERS AND ALLIED CRAFTSMEN**

AAS	Bricklayers .....	475
CA	Bricklayers .....	476
SC	Bricklayer Journeyman	
AAS	Tile Setter.....	532
CA	Tile Setter.....	533
SC	Tile Setter Journeyman	

**CARPENTERS**

AAS	Carpentry.....	477
CA	Carpentry.....	478
AAS	Drywall Applicator .....	481





CA	Drywall Applicator .....	482
AAS	Millwright .....	503
CA	Millwright .....	504
AAS	Pile Driver .....	509
CA	Pile Driver .....	510
AAS	Scaffold Erector .....	520
CA	Scaffold Erector .....	521

**ENVIRONMENTAL AND CONSTRUCTION LABORERS**

AAS	Environmental and Construction Laborer.....	483
CA	Environmental and Construction Laborer.....	484

**FLOOR COVERERS**

AAS	Floor Coverer .....	487
CA	Floor Coverer .....	488
SC	Floor Coverer Journeyman	

**GLAZIERS**

AAS	Glazier .....	491
CA	Glazier .....	492

**HEAT AND FROST INSULATORS**

AAS	Heat and Frost Insulator .....	493
CA	Heat and Frost Insulator .....	494

**INSIDE WIREMAN AND INSTALLER/TECHNICIANS**

AAS	Inside Wireman .....	497
CA	Inside Wireman .....	498
CA	Installer/Technician .....	499
CA	Residential.....	517
SC	Residential Wireman Journeyman .....	
CA	Sign .....	500

**IRONWORKERS**

AAS	Reinforcing Ironworkers .....	515
CA	Reinforcing Ironworkers .....	516
AAS	Structural Steel Ironworker .....	526
CA	Structural Steel Ironworker .....	527

**OPERATING ENGINEERS**

AAS	Equipment Operators .....	485
CA	Equipment Operators .....	486
AAS	General Construction Inspector .....	489
CA	General Construction Inspector .....	490
AAS	Heavy Duty Repairman.....	495
CA	Heavy Duty Repairman.....	496
AAS	Machinist.....	501
CA	Machinist.....	502
AAS	Oil Well Drillers .....	505
CA	Oil Well Drillers .....	506

**OPERATING AND MAINTENANCE (STATIONARY) ENGINEERS**

AAS	Stationary Engineers .....	524
CA	Stationary Engineers .....	525
AAS	Surveyors.....	528
CA	Surveyors.....	529

**PAINTERS**

AAS	Painter .....	507
CA	Painter .....	508
SC	Painter Journeyman	

**PLASTERS AND CEMENT MASONS**

AAS	Plasterer.....	513
CA	Plasterer.....	514
AAS	Cement Mason .....	479
CA	Cement Mason .....	480
SC	Cement Mason Journeyman	

**PLUMBERS AND PIPE FITTERS**

AAS	Piping Trades .....	511
CA	Piping Trades .....	512

**ROOFERS AND WATERPROOFERS**

AAS	Rofer and Waterproofer .....	518
CA	Rofer and Waterproofer .....	519

**SHEET METAL WORKERS**

AAS	Sheet Metal .....	522
CA	Sheet Metal .....	523

**TEAMSTERS CONVENTION SET-UP TRAINING**

AAS	Teamster Convention Training .....	530
CA	Teamster Convention Training .....	531
SC	Teamsters Journeyman	

**DIVISION OF WORKFORCE AND ECONOMIC DEVELOPMENT**

Students seeking educational opportunities, other than specific degrees offered at CSN main campuses, have access to additional options through programs within the CSN Division of Workforce and Economic Development.

The Division of Workforce and Economic Development offers non-credit classes and programs in a format to meet the needs of business and industry, local government, and educational institutions through customized training programs and curricula. Training programs and workshops are tailored to fit the specific needs of clients so students are able to quickly apply what they have learned.

The Division of Workforce and Economic Development offers continuing education in the following program specialty areas:

**Adult Literacy and Language Program:** The College of Southern Nevada’s Adult Literacy and Language program is the largest of its kind in Nevada, and has served the greater Las Vegas valley and surrounding area for more than twenty years. The program provides courses for those learning English as their second language (English Language Acquisition (ELA) courses) and for those desiring to obtain a High School Equivalency credential (HSE Prep).

**American Heart, Healthcare and Emergency Medical Services (EMS):** CSN’s American Heart Association Authorized Training Center provides continuing education and certifications such as CPR, and Basic, Pediatric, and Advanced Life Support. The



Healthcare program provides a variety of continuing education courses needed for upgrading one's skills, and also for entry level healthcare professions in southern Nevada. Examples of these programs include: Dialysis Patient Care Technician (PCT); Health Unit Coordinator (HUC); and Home Care Aide.

**Community and Personal Enrichment:** This program offers ongoing fee-based, non-credit classes every semester to assist individuals in their personal development and plays a significant role in increasing job readiness skills. Classes address a broad variety of personal growth courses including, but not limited to arts and crafts; recreational and leisure interests such as Motorcycle Rider Safety classes; professional and personal development programs; software and computer skills; test preparation; theatre; and language classes. The Professional Development classes focus on individuals seeking to enhance employment skills or advance their careers; to aid those currently unemployed in returning to the workforce; and military members transitioning into the civilian lifestyle. Classes are listed in the Community and Personal Enrichment Catalog, distributed twice a year, available at all CSN campuses and online at [www.csn.edu/dwed-community-personal-enrichment](http://www.csn.edu/dwed-community-personal-enrichment).

**Business Services:** This program works in conjunction with Nevada companies and organizations to assess and disseminate the skills necessary for students and employees to be successful in today's job market. This includes foundational skills development, a variety of professional training programs, and assessments designed to increase skill levels which assist with employment and/or career changes. The program provides customized training, and job skill assessments such as ACT WorkKeys, which results in a National Career Readiness Certificate (NCRC). The NCRC is a portable, evidence-based credential that documents essential skills needed for workplace success.

**College Prep:** CSN's Division of Workforce and Economic Development, in partnership with the Department of Mathematics, offers non-credit Algebra Refresher courses. These courses take place in a hybrid online/classroom environment which is designed to prepare students, who have not met the criteria for Math 095 or higher, with the skills to be successful in entry level mathematics courses.

**Facilities Maintenance & Operation Training Program:** The Facilities Maintenance & Operation Training Program offers accelerated training, with entry-level skills in Safety, Plumbing, Electrical and HVAC, creating entry-level facilities technicians. These technicians may be responsible for the appearance and working order of hotel and convention guest rooms hospital and medical rooms, apartment complexes, and government facilities.

**Fire Service Candidate Physical Ability Test:** CSN and the Division's Workplace Safety Program offer personal and workplace safety classes as well as the Fire Service Joint Labor Management Wellness/Fitness Initiative Program-Candidate Physical Ability Test (CPAT). The CPAT has been developed as a fair and valid evaluation tool to assist in the selection of fire fighters, and to ensure that all fire fighter candidates possess the physical ability to complete critical tasks effectively and safely.



## HONORS PROGRAM

The mission of the Honors Program at the College of Southern Nevada is to provide high-achieving students with an enriched academic environment that promotes intellectual curiosity, social awareness, and scholarly excellence.

### Program Outcomes:

- Synthesize, evaluate, integrate, and apply information through multiple formats and approaches from a variety of sources.
- Identify and apply methodologies, principles, and research strategies required for creative interdisciplinary scholarship.
- Express ideas and concepts precisely and persuasively in multiple formats.
- Work both independently and collaboratively on projects, encouraging a sense of community, and fostering relations through academic discourse.
- Engage with a wide range of ideas, cultures, values, and beliefs.

### Admissions Requirements:

Students interested in participating in the Honors Program must submit an application for admittance and meet the following criteria:

#### New Student:

- Student must submit an unofficial transcript.
- Student must have achieved a cumulative high school GPA of 3.5 or higher.
- Student must submit two letters of recommendation from former teachers or advisors.
- Student must submit a 500 – 1000 word essay on a topic (to be determined by the committee) that illustrates to the committee either the student's personal views on a current event or addresses the student's personal priorities and goals.

#### Existing CSN Student:

- Student must submit an unofficial CSN transcript.
- Student must hold a 3.25 GPA after completed credits (with no grade lower than a C).
- Student must submit two letters of recommendation from former teachers or advisors.
- Student must submit a 500 – 1000 word essay on a topic (to be determined by the committee) that illustrates to the committee either the student's personal views on a current event or addresses the student's personal priorities and goals.

#### Requirements to stay in the program:

- Student must maintain a 3.25 GPA (with no grade lower than a C).

**NOTE:** *Intellectual motivation is a significant factor in acceptance into the program; consequently, those students who may fall short of the GPA criteria, but wish to undertake the challenge, may be considered for admission into the program at the discretion of the Honors Committee.*

### Course Offerings:

(NOTE: not every course will be offered each semester)

- ART 160H
- BIOL 251H\*
- COM 101H
- ENG 101H
- ENG 102H
- ENG 223H
- ENG 231H
- ENG 232H
- ENG 271H
- HIST 101H
- HIST 102H
- HIST 217H
- HUM 295H
- MATH 120H
- PHIL 101H
- PHIL 102H
- PSY 101H
- SOC 101H
- WMST 113H

*\*Students registering for BIOL 251H do not have to be part of the Honors Program but do have to meet the prerequisite requirement: BIOL 196.*



## GENERAL INFORMATION

### Which Catalog?

The College of Southern Nevada publishes an annual catalog that covers the fall semester through the following summer term. Each bachelor, associate degree or certificate of achievement student seeking to graduate from CSN is required to satisfy course requirements as defined in the college catalog.

A student may select the catalog year governing requirements for graduation under the following circumstances:

- The year in which the student enrolled, or
- The year the student officially selects a program of study, or
- The year in which the student will complete the degree requirements for an associate, bachelor’s degree or a certificate of achievement.

If a degree is offered for the first time after a student has enrolled, the student may choose the catalog year in which the degree or major was first offered. The selected catalog may not be more than six years old at the time of graduation for students receiving an associate degree or certificate of achievement, and not more than ten years old at the time of graduation for students receiving a bachelor’s degree.

### Credit and GPA Requirements

All candidates for graduation must earn a minimum of 30 credits for a certificate of achievement, 60 credits for an associate degree and 120 credits for a bachelor degree. Candidates for graduation must have a minimum cumulative grade point average of 2.0. Candidates for graduation must complete a minimum of 15 semester credit hours within CSN. For the Associate of Applied Science degree, a minimum of 15 credits must be earned in the special program requirements. Non-traditional credit, credit transferred from another institution, or credit earned through the course challenge process may not be used to establish the 15 credit residency requirement.

### CSN General Education Core Requirements

Completing general education at CSN results in fulfilling the following student learning outcomes in the categories of English composition, mathematics, analytical reasoning, constitution, communication, literature, natural science, social science, humanities, values and diversity, humanities and fine arts.

- Construct college-level academic and professional writing using appropriate conventions;
- Employ research methods including how to obtain and use information via both print and electronic media;
- Solve problems in quantitative mathematical reasoning including probability, statistics, geometry, and consumer mathematics;
- Experience or interpret cultural, social and other differences, present in our society;
- Demonstrate an understanding of the theoretical foundations of analytical reason and its connection to natural language;

- Examine and interpret the United States and Nevada constitutions;
- Demonstrate general academic literacy applied to oral communication appropriate to different audiences and purposes;
- Use critical reading skills to engage and analyze literary texts;
- Define and apply basic concepts in one or two scientific disciplines;
- Acquire appreciation or introductory knowledge about social sciences and their insights about individual or group behaviors;
- Acquire appreciation or introductory knowledge of the humanities or languages, and at least one of the fine arts.

### CSN General Education Core Distribution:

Core Content	AA	AB	AS	AAS
English	6	6	6	3
Literature	3	3	3	
Fine Arts	3*	3	3	3**
Humanities	6*	6	6	3**
Analytical Reasoning	3	3	3	
Mathematics	3	3	3	3
Natural Science	6	6		3
Social Science	9*		9	3**
Constitution	4	4	4	4
Communications				3
Human Relations				3

\*Distribution depends on emphasis  
 \*\*Fine Arts/Humanities/Social Science Requirement.

For the Comprehensive Degree Requirements, go to:

[https://www.csn.edu/sites/default/files/u421/general\\_education\\_for\\_aa\\_as\\_and\\_ab\\_degrees\\_policy.pdf](https://www.csn.edu/sites/default/files/u421/general_education_for_aa_as_and_ab_degrees_policy.pdf)

or

[https://www.csn.edu/sites/default/files/u421/general\\_education\\_for\\_aas\\_degrees\\_policy.pdf](https://www.csn.edu/sites/default/files/u421/general_education_for_aas_degrees_policy.pdf)

### Transfer Degrees

Students who plan to transfer to a four-year college or university can earn the Associate of Arts, Associate of Business, or the Associate of Science degree. These degrees provide the first two years of a four-year degree. *Any student transferring from the College of Southern Nevada with an Associate of Arts, Associate of Business, or an Associate of Science degree will have that degree counted as fulfilling UNLV’s general education requirements without the necessity for a course-by-course articulation.*

*Always see a counselor to outline a detailed degree plan of study and to obtain all current information on CSN degree requirements leading to graduation. See Transfer Students’ Rights and Responsibilities in this catalog.*





## COURSE NUMBERING INFORMATION

All undergraduate courses in the NSHE must be common-course numbered with equivalent courses offered throughout the System.

A system-wide course numbering rubric for all institutions shall be maintained so that baccalaureate transfer courses are clearly identified for student reference prior to registration under the following general course numbering parameters:

Remedial/Developmental Courses	001-099
Lower-Division Courses	100-299
Upper-Division Courses	300-499

Course numbers with a “B” suffix may be non-transferable for a NSHE baccalaureate degree; for example ACC 223B.

## GENERAL EDUCATION REQUIREMENTS

### (AA) Associate of Arts, (AB) Associate of Business, and (AS) Associate of Science

The general education requirements listed here cover transfer degrees to NSHE four-year institutions. The completion of the associate of arts, associate of science, and associate of business degree automatically fulfills the lower-division general education requirements at any other NSHE institution<sup>1</sup>. Completion of the associate of arts, associate of science, or the associate of business degree does not guarantee satisfaction of all State College or university lower-division requirements except for the lower-division general education requirements<sup>2</sup>.

The general education requirements for the AA, AB, and AS degrees cover the following NSHE General Education Requirements<sup>3</sup>:

- English (3-6 credits)
  - Freshman level English Composition including English 102.
- Mathematics (3 credits)
  - Three credits of lower-division coursework.
- Natural Science (6 credits)
  - Six credits of lower-division coursework to include at least one laboratory experience.
- Social Sciences or Humanities/Fine Arts (9 credits)
  - Nine credits of lower-division coursework in either the social sciences or humanities/fine arts.
- U.S./Nevada Constitutions
  - Instruction must be given in the essentials of the Constitution of the United States and the Constitution of the State of Nevada, including the origin and history of the Constitutions and the study of and devotion to American institutions and ideals pursuant to Nevada Revised Statutes 396.500 for all associate and baccalaureate degrees.

The general education requirements at CSN are broken down as follows:

### Common Core Requirements

All students must satisfy these requirements.

- Mathematics
- English
- Values and Diversity

### Subject Area Requirements

Students pursuing a General Associate of Arts or Associate of Science degree must complete all these requirements. Student pursuing a specific major will complete those requirements outside the student’s major. Special program degree requirements for specific majors will contain requirements fulfilling the General Education requirements for that major’s Subject Area.

- Literature
- Analytical Reasoning
- Natural Science
- Humanities
- Fine Arts
- Social Sciences
- U.S. and Nevada Constitutions

### Additionally

In no case may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or special program requirement.

The General Education requirements do not include remedial courses which may need to be taken before completing some of the subject areas listed below. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion. All degree-seeking students must be continuously enrolled in appropriate mathematics and English courses until the institutional core curriculum mathematics and English requirements are completed<sup>4</sup>. Finally, general education courses cannot be waived.

## AA/AB/AS General Education Requirements and Course Choice Breakdown

### MATHEMATICS (3 credits)

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

MATH 120 or higher; or STAT 152

### ENGLISH COMPOSITION (6-8 credits)

ENG 100 or 101 or 113; and ENG 102 or 114

### LITERATURE (3 credits)

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

ENG 223 or above



**ANALYTICAL REASONING (3 credits)**

PHIL 102 or 114

**NATURAL SCIENCE (6-7 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

*Choose two courses; one must include a lab.*

ANTH 102, 110L; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

COM 101; and one course from ANTH; ENG 223 or above; HIST; World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

ART; DAN 101; MUS (except 100); THTR (except 275)

**SOCIAL SCIENCE (9 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

*Choose three courses; each course must be from a different discipline.*

ANTH (except ANTH 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246, 249; PSC; PSY (except 270); SOC; WMST 113

**U.S. and NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or  
HIST 101 and 102; or  
HIST 101 and 217; or  
HIST 111 and 102; or  
HIST 111 and 217

**VALUES and DIVERSITY**

*All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.*

ANTH 101, 106, 201, 204, 205, 206, 207, 209, 215, 216, 217;  
ART 253, 260, 261, 262, 263, 264, 265, 267, 270;  
COM 133;  
CRJ 120;  
BUS 101;  
DAN 101;  
ECON 180;  
EDU 280;  
ENG 223, 231, 232;  
HIST 105, 106, 107, 150, 151, 208, 209, 210, 227, 228, 247, 260, 275, 285, 286, 293;  
LAS 100, 101, 210, 223, 224;  
MHDD 110;  
MKT 210, 250;  
MUS 121, 125, 134;  
PHIL 124, 135, 202, 207, 210, 215, 245, 247;  
PSC 201, 205, 222;

PSY 101, 101H, 102, 207, 208, 224, 233, 234, 241, 261, 276;  
RST 101, 136, 150, 170, 260, 270;  
SOC 101, 102, 205, 222, 225, 270, 275, 276;  
WMST 101, 113, 255, 285, 286

<sup>1</sup>BoR Handbook Rev 269 (03/16) Title 4, Chapter 14, page 12.

<sup>2</sup>BoR Handbook Rev 269 (03/16) Title 4, Chapter 14, page 12.

<sup>3</sup>BoR Handbook Rev 269 (03/16) Title 4, Chapter 14, page 17.

<sup>4</sup>BoR Handbook Rev 267 (09/15) Title 4, Chapter 16, page 3.

**(AAS) Associate of Applied Science**

The general education requirements listed here cover degrees that provide employment related and career enhancing skills necessary to succeed in a chosen occupational or technical field of study. Although the AAS degree is not designed to transfer to a four-year program at other NSHE institutions, many of the courses will transfer to NSHE or other four-year colleges and universities.

The general education requirements at CSN are broken down as follows:

- Mathematics
- English Composition
- Communications
- Human Relations
- Natural Science
- Fine Arts/Humanities/Social Science
- U.S. and Nevada Constitutions

**Additionally**

In no case may one course be used to meet more than one requirement.

The General Education requirements do not include remedial courses which may need to be taken before completing some of the subject areas listed below. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion. All degree-seeking students must be continuously enrolled in appropriate mathematics and English courses until the institutional core curriculum mathematics and English requirements are completed<sup>5</sup>. Finally, general education courses cannot be waived.

**AAS General Education Requirements and Course Choice Breakdown**

**MATHEMATICS (3 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

MATH 100B or above; BUS 109B\*; ET 111B

\*For Business majors only

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 107 or 113

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105



**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205, 228; COM 102, ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PT 122\*; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113  
\*For Physical Therapy majors only

**NATURAL SCIENCE (3 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

ANTH 102, 110L; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; HHP 123B, 124B; MT 102B, 110B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

*Please note: 300-level and above courses will NOT satisfy this GE requirement.*

AM; ANTH (except 102); ART; COM; CRJ 104; DAN 101; ECON; ENG 223 or above; GEOG 106; HIST; MUS (except 100); PHIL; PSC; PHO 101B; PSY; SOC; THTR (except 275); WMST 113; World Languages 101B or above

**U.S. and NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or  
HIST 101 and 102; or  
HIST 101 and 217; or  
HIST 111 and 102; or  
HIST 111 and 217

<sup>3</sup>BoR Handbook Rev 267 (09/15) Title 4, Chapter 16, page 3.

**DEGREE AND CERTIFICATE OPTIONS**

**BAS - Bachelor of Applied Science Degree**

Four-year program for a specific occupation intended to respond to the needs of the workforce.

**BS - Bachelor of Science Degree**

Four-year program for a specific occupation.

**AA - Associate of Arts Degree**

Two-year program designed for transfer and completion of a bachelor's degree at a four-year institution.

**AAS - Associate of Applied Science Degree**

Two-year program for a specific occupation intended to respond to the needs of the workforce, that may be transferred to a NSHE institution offering a BAS degree.

**AB - Associate of Business Degree**

Two-year program designed for transfer and completion of a bachelor's degree at a four-year institution.

**AGS - Associate of General Studies Degree**

Two-year program providing a general education that is NOT designed to transfer to a four-year institution.

**AS - Associate of Science Degree**

Two-year program designed for transfer and completion of a bachelor's degree at a four-year institution.

**CA - Certificate of Achievement**

One-year program within an occupational area.

**SC - Skills Certificate**

An industry-driven and defined certificate recognizing identified core competencies and issued by an academic department upon completion of a defined set of courses of a specific duration.

**SKILLS CERTIFICATES**

Skills certificates are intended to provide preparation necessary to take state, national, and/or industry recognized certification or licensing examinations. Some may also serve as a stackable credential within existing associate degree tracks. Skills Certificates are less than 30 credit hours and are more narrow in focus than Certificates of Achievement. Please note that while skills certificates provide the instruction and training, CSN does not guarantee a student will pass the intended certification or licensing exam.

Upon successful completion of all course requirements, skills certificates will appear at the end of the final semester on the transcript, however diplomas are not issued for Skills Certificates.

**General Skills Certificates**

**ADMINISTRATIVE ASSISTANT**

<b>Courses Required</b>		<b>Credits</b>
COT 200	Word Processing I	3
COT 201B	Word Processing II	3
COT 127B or	Microsoft Office for Offices	3
COT 209B	Tablet Computer, Voice and Handwriting II	3
<b>Total:</b>		<b>9</b>

**BOOKKEEPING**

<b>Courses Required</b>		<b>Credits</b>
ACC 105	Taxation for Individuals	3
ACC 135B	Bookkeeping I	3
ACC 201	Financial Accounting	3
ACC 223B	Introduction to QuickBooks	3
<b>Total:</b>		<b>12</b>

**CISCO CERTIFIED NETWORK ASSOCIATE**

<b>Courses Required</b>		<b>Credits</b>
CSCO 120	Fundamentals of Voice and Data Cabling	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	4
CSCO 221	CCNA WAN Fundamentals	4
<b>Total:</b>		<b>16</b>

**CISCO CERTIFIED NETWORK PROFESSIONAL**

<b>Courses Required</b>		<b>Credits</b>
CSCO 480	CCNP ROUTE	4
CSCO 482	CCNP SWITCH	4
CSCO 484	CCNP TSHOOT	4
<b>Total:</b>		<b>12</b>



**COMPTIA A+ AND NETWORK+**

Courses Required	Credits
CIT 112B Network+	3
CIT 114B IT Essentials	4
<b>Total:</b>	<b>7</b>

**COMPTIA LINUX+**

Courses Required	Credits
CIT 173 Introduction to Linux	3
CIT 174 Linux System Administration	3
CIT 176 Linux Shell Programming	3
<b>Total:</b>	<b>9</b>

**COMPTIA PROJECT+**

Courses Required	Credits
CIT 263B Project Management	3
COM 101 Oral Communication	3
IS 101 Introduction to Information Systems	3
<b>Total:</b>	<b>9</b>

**COMPTIA SECURITY+**

Courses Required	Credits
CIT 112B Network+	3
CIT 173 Introduction to Linux	3
CIT 217 Security+	3
<b>Total:</b>	<b>9</b>

**EMT BASIC**

Courses Required	Credits
EMS 108B Emergency Medical Technician Training	8
EMS 108L Emergency Medical Technician Training Lab	
EMS 150B EMT Clinical Practice	1
<b>Total:</b>	<b>9</b>

**EMT INTERMEDIATE**

Courses Required	Credits
EMS 115B Advanced Emergency Medical Technician	7
EMS 115L Advanced Emergency Medical Technician Lab	
EMS 116B AEMT Clinical Practice	1
<b>Total:</b>	<b>8</b>

**FIREFIGHTER I**

Courses Required	Credits
FT 101 Principles of Emergency Services	3
FT 104 Nevada Firefighter I	3
FT 109B Internship in Firefighting	1
FT 131 Hazardous Materials Chemistry	3
EMS 108B Emergency Medical Technician Training	8
<b>Total:</b>	<b>18</b>

**FIRE INSTRUCTOR I**

Courses Required	Credits
FT 101 Principles of Emergency Services	3
FT 104 Nevada Firefighter I	3
FT 109B Internship in Firefighting	1
FT 131 Hazardous Materials Chemistry	3
FT 190 Fire Instructor	3
<b>Total:</b>	<b>13</b>

**FIRE OFFICER I**

Courses Required	Credits
FT 101 Principles of Emergency Services	3
FT 104 Nevada Firefighter I	3
FT 109B Internship in Firefighting	1
FT 131 Hazardous Materials Chemistry	3
FT 191 Introduction to Company Officer	3
<b>Total:</b>	<b>13</b>

**FLORAL DESIGN**

Courses Required	Credits
FLOR 102B Introduction to Floral Design	3
FLOR 106B Permanent Botanicals	3
FLOR 202B Tributes and Traditions	3
FLOR 204B Traditional Weddings	3
FLOR 208B Creativity and Competition	3
FLOR 224B Techniques and Mechanics	1.5
<b>Total:</b>	<b>16.5</b>

**FLORAL DESIGN: SPECIAL EVENTS & WEDDINGS**

Courses Required	Credits
FLOR 102B Introduction to Floral Design	3
FLOR 204B Traditional Weddings	3
FLOR 208B Creativity and Competition	3
FLOR 220B Events and Display	3
FLOR 224B Techniques and Mechanics	1.5
FLOR 240B Advanced Weddings	3
<b>Total:</b>	<b>16.5</b>

**LAW ENFORCEMENT TRAINING ACADEMY (LETA): CATEGORY 1**

Courses Required	Credits
CRJ 103 Communication Within the Criminal Justice Field	3
CRJ 104 Introduction to Administration of Justice	3
CRJ 106 Introduction to Corrections	3
CRJ 120 Community Relations	3
CRJ 164 Introduction to Criminal Investigation	3
CRJ 214 Principles of Police Patrol Techniques	3
CRJ 225 Criminal Evidence	3
CRJ 233 Nevada Criminal Law	3
CRJ 251 Principles of Correctional Administration	3
<b>Total:</b>	<b>27</b>





**LAW ENFORCEMENT TRAINING ACADEMY (LETA):  
CATEGORY 3**

<b>Courses Required</b>		<b>Credits</b>
CRJ 103	Communication Within the Criminal Justice Field	3
CRJ 104	Introduction to Administration of Justice	3
CRJ 106	Introduction to Corrections	3
CRJ 225	Criminal Evidence	3
CRJ 233	Nevada Criminal Law	3
CRJ 251	Principles of Correctional Administration	3
<b>Total:</b>		<b>18</b>

**MICROSOFT CERTIFIED IT PROFESSIONAL**

<b>Courses Required</b>		<b>Credits</b>
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3
CIT 213	MCITP/MCTS Network Infrastructure	3
CIT 215	MCITP Active Directory	3
<b>Total:</b>		<b>12</b>

**MICROSOFT OFFICE MASTER**

<b>Courses Required</b>		<b>Credits</b>
CIT 201B	Word Certification Preparation	3
CIT 202B	Excel Certification Preparation	3
CIT 203B	Access Certification Preparation	3
<b>Total:</b>		<b>9</b>

**NURSING ASSISTANT**

<b>Courses Required</b>		<b>Credits</b>
NURS 040 or	In-Facilities Nursing Assistant	3
NURS 130	Nursing Assistant	6
<b>Total:</b>		<b>3 or 6</b>

**OFFICE ASSISTANT**

<b>Courses Required</b>		<b>Credits</b>
COT 101B	Computer Keyboarding I	3
COT 102	Computer Keyboarding II	3
COT 127B or	Microsoft Office for Offices	3
COT 200 or	Word Processing I	3
COT 209B	Tablet Computer, Voice and Handwriting II	3
<b>Total:</b>		<b>9</b>

**OPHTHALMIC TECH/CONTACT LENS TECH**

<b>Courses Required</b>		<b>Credits</b>
OPHT 102B	Introduction to Contact Lenses	3
OPHT 105B	Introduction to Contact Lens Lab	1
OPHT 112B	Anatomy and Physiology of the Eye and Related Structures	3
OPHT 202B	Contact Lenses I	3
OPHT 203B	Contact Lenses II	1
OPHT 220B	Theory of Refractometry	3
OPHT 299B	Certificate Review	2
<b>Total:</b>		<b>16</b>

**OPHTHALMIC TECH/OPHTHALMIC DISPENSING**

<b>Courses Required</b>		<b>Credits</b>
OPHT 112B	Anatomy and Physiology of the Eye and Related Structures	3
OPHT 121B	Ophthalmic Optics I	5
OPHT 123B	Ophthalmic Optics II	5
OPHT 155B	Geometric Optics	3
OPHT 201B	Ophthalmic Dispensing I	5
OPHT 223B	Ophthalmic Dispensing II	5
<b>Total:</b>		<b>26</b>

**OPTICAL LAB TECH**

<b>Courses Required</b>		<b>Credits</b>
OPHT 121B	Ophthalmic Optics I	5
OPHT 121L	Ophthalmic Optics I Lab	
OPHT 123B	Ophthalmic Optics II	5
OPHT 123L	Ophthalmic Optics II Lab	
<b>Total:</b>		<b>10</b>

**PHLEBOTOMY**

<b>Courses Required</b>		<b>Credits</b>
CLS 151	Phlebotomy	2
CLS 152	Applied Phlebotomy	2
CLS 153	Phlebotomy Clinical Practicum	2
<b>Total:</b>		<b>6</b>

**REAL ESTATE**

<b>Courses Required</b>		<b>Credits</b>
RE 101	Real Estate Principles	3
RE 102B	Real Estate Math	3
RE 103	Real Estate Law and Practice	3
<b>Total:</b>		<b>9</b>



**Accounting**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: ACC-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Accounting provides a comprehensive background in the principles, procedures and theories of organizing and maintaining business and financial transactions.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, ([www.acbsp.org](http://www.acbsp.org)).

**STUDENT LEARNING OUTCOMES**

- Incorporate accounting principles, procedures and theories of organizing and maintaining business and financial transactions.
- Formulate conceptual framework of the accounting cycle with the application of basic assumptions, concepts and guidelines for preparing financial statements.
- Enhance proficiency in processing financial information with computerized accounting systems and software.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (3 credits)**

AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)****CORE REQUIREMENTS (30 credits)**

ACC 105	Taxation for Individuals	3
ACC 201	Financial Accounting	3
ACC 202	Managerial Accounting	3
ACC 203	Intermediate Accounting I	3
ACC 204	Intermediate Accounting II	3
ACC 205	Cost Accounting	3
ACC 220	Microcomputer Accounting Systems	3
BUS 273	Business Law I	3
FIN 101	Personal Finance	3
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 9 credits)**

ACC 210B	IRS Computerized Tax Preparation Program	3
ACC 222B	Accounting Using Spreadsheets	3
ACC 223B	Introduction to QuickBooks	3
BUS 101	Introduction to Business	3
BUS 109B	Business Mathematics	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
ECON 261	Principles of Statistics I	3
FIN 115	Introduction to Investments	3
MGT 201	Principles of Management	3
MKT 210	Marketing Principles	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Accounting**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: ACC-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
ACC 105 Taxation for Individuals	3
ACC 201 Financial Accounting	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete Natural Science (see courses previous page)	3
ACC 202 Managerial Accounting	3
ACC 220 Microcomputer Accounting Systems	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
ACC 203 Intermediate Accounting I	3
BUS 273 Business Law I	3
FIN 101 Personal Finance	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
ACC 204 Intermediate Accounting II	3
ACC 205 Cost Accounting	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second or third semester and HIST 102 or 217 in the third or fourth semester.



**Bookkeeping**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ACCBOK-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Bookkeeping provides students with the necessary skills for entry level positions such as accounts receivable or payable clerk, general secretary/bookkeeper, part-time bookkeeper and payroll clerk.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the skills necessary to obtain employment in the bookkeeping field.
- Enhance the computer knowledge related to the most current software in accounting.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 107 or 113

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (21 credits)**

ACC 135B	Bookkeeping I	3
ACC 201	Financial Accounting	3
ACC 220	Microcomputer Accounting Systems	3
ACC 223B	Introduction to QuickBooks	3
BUS 101	Introduction to Business	3
COT 101B	Computer Keyboarding I	3
IS 101	Introduction to Information Systems	3

**Choose one from the following (3 credits)**

BUS 106B	Business English	3
BUS 108	Business Letters and Reports	3

**Choose one from the following (3 credits)**

ACC 105	Taxation for Individuals	3
ACC 222B	Accounting Using Spreadsheets	3

Computation included in ACC 201

Human Relations included in BUS 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
Complete Communications (see courses this page)	3-5
ACC 135B Bookkeeping I	3
BUS 101 Introduction to Business	3
COT 101B Computer Keyboarding I	3
ACC 201 Financial Accounting	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	Credits
ACC 220 Microcomputer Accounting Systems	3
ACC 223B Introduction to QuickBooks	3
IS 101 Introduction to Information Systems	3
BUS 106 or BUS 108	3
ACC 105 or ACC 222B	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Air Conditioning Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: AC-AAS

**DESCRIPTION**

This program prepares students to install, maintain, service, troubleshoot, and repair residential heating and cooling systems. Additionally, the program includes commercial refrigeration courses enabling students to learn how to maintain, troubleshoot, and repair walk-in freezers, ice machines, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the field. Along with core classes, academic skills emphasizing related math, science, and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

**STUDENT LEARNING OUTCOMES**

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on residential air conditioning equipment; light commercial air conditioning equipment; critical systems; boilers; chillers; equipment cooling systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 104B Applied Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 107 or 113

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (3 credits)**

Recommended: ENV 101 Introduction to Environmental Science

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Recommended: GEOG 106 World Geography

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)****CORE REQUIREMENTS (30 credits)**

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 111B	Heat Pumps	5
AC 115B	Troubleshooting	5

**Choose five credits from the following**

AC 200B	Commercial Refrigeration I	5
AC 210B	Boiler Operation and Maintenance	5
AC 220B	Chiller Operations and Maintenance	5

**Choose six credits from the following**

AC 114B	Heat Load and Duct Design	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 120B	Air Conditioning Duct Work Fabrication	3
AC 201B	HVAC Automatic Controls	3
AC 202B	Commercial Refrigeration II	5
AC 210B	Boiler Operation and Maintenance	5
AC 212B	Equipment Cooling	5
AC 220B	Chiller Operations and Maintenance	5
AC 221B	Gas Heat Pump Technology I	5
CADD 100	Introduction to Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: AC-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 104B Applied Mathematics	3
ENG 100 or 101 or 107 or 113	3-5
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ENV 101 Introduction to Environmental Science	3
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
ALS 101 College Success	3
GEOG 106 World Geography	3
AC 111B Heat Pumps	5
AC 200B or 210B or 220B	5
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting	5
IS 100B or IS 101	0-3
Complete "Choose six credits from the following" (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15-18</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>63-68</b>



## Air Conditioning Technology

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 47

DEGREE CODE: AC-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Air Conditioning Technology Program is an 18-month course of study that prepares students to install, maintain, service, troubleshoot, and repair residential heating and cooling systems. Additionally, this program includes commercial refrigeration, allowing the student to learn how to maintain, troubleshoot, and repair walk-in freezers, ice machines, ice cream machines, and other related machinery. Instruction includes classroom, laboratory, and actual in-the-field hands-on course work.

**STUDENT LEARNING OUTCOMES**

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on residential air conditioning equipment; light commercial air conditioning equipment; critical systems; boilers; chillers; equipment cooling systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6-8 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or 116

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)****CORE REQUIREMENTS (30 credits)**

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 111B	Heat Pumps	5
AC 115B	Troubleshooting	5

**Choose 5 credits from the following**

AC 200B	Commercial Refrigeration I	5
AC 210B	Boiler Operation and Maintenance	5
AC 220B	Chiller Operations and Maintenance	5

**Plus 6 credits from the following**

AC 114B	Heat Load and Duct Design	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 120B	Air Conditioning Duct Work Fabrication	3
AC 200B	Commercial Refrigeration I	5
AC 201B	HVAC Automatic Controls	3
AC 202B	Commercial Refrigeration II	5
AC 210B	Boiler Operation & Maintenance	5
AC 212B	Equipment Cooling	5
AC 220B	Chiller Operations and Maintenance	5
AC 221B	Gas Heat Pump Technology I	5
CADD 100	Introduction to Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3

**Digital Literacy Elective (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in AC 103B

Human Relations included AC 102B

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 47

DEGREE CODE: AC-CT

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
AC 102B Intro to HVAC Electrical Theory and Application	5
AC 103B Intro to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3-5
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>13-15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
AC 111B Heat Pumps	5
AC 200B or 210B or 220B	5
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
AC 115B Troubleshooting	5
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>47-49</b>





# Air Conditioning Technology - Central Plant

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62.5

DEGREE CODE: ACTCP-AAS

## DESCRIPTION

This program prepares students to install, maintain, service, troubleshoot, and repair central plant industrial heating and cooling systems. The program enables students to learn how to maintain, troubleshoot, and repair boilers, central plant equipment, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field. Along with core classes, academic skills emphasizing related math, science, and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

## STUDENT LEARNING OUTCOMES

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on central cooling plant equipment; central heating plant equipment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 107 or 113

### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

### NATURAL SCIENCE (3-4 credits)

Recommended: ENV 101 Introduction to Environmental Science

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3-4 credits)

Recommended: GEOG 106 World Geography

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (40.5 CREDITS)

### CORE REQUIREMENTS (40.5 credits)

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 201B	HVAC Automatic Controls	3
AC 210B	Boiler Operation and Maintenance	5
AC 220B	Chiller Operations and Maintenance	5

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>16</b>

SECOND SEMESTER	Credits
ENG 100 or 101 or 107 or 113	3-5
IS 100B or IS 101	0-3
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
AC 116B Copper Fundamentals	1
<b>TOTAL CREDITS</b> .....	<b>14-19</b>

THIRD SEMESTER	Credits
COM 115 Applied Communication	3
GEOG 106 World Geography	3
AC 119B Professionals in Customer Service	1.5
AC 201 HVAC Automatic Controls	3
AC 210B Boiler Operation and Maintenance	5
<b>TOTAL CREDITS</b> .....	<b>15.5</b>

FOURTH SEMESTER	Credits
ENV 101 Introduction to Environmental Science	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting <sup>1</sup>	5
AC 220B Chiller Operations and Maintenance	5
<b>TOTAL CREDITS</b> .....	<b>17</b>

**DEGREE PLAN TOTAL CREDITS**..... **62.5-67.5**

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Air Conditioning Technology - Central Plant

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 46.5

DEGREE CODE: ACTCP-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

This program prepares students to install, maintain, service, troubleshoot, and repair central plant industrial heating and cooling systems. The program enables students to learn how to maintain, troubleshoot, and repair boilers, central plant equipment, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field to help students prepare to meet challenges commonly found in the workplace.

## STUDENT LEARNING OUTCOMES

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on central cooling plant equipment; central heating plant equipment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communications

## SPECIAL PROGRAM REQUIREMENTS (40.5 CREDITS)

### CORE REQUIREMENTS (40.5 credits)

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 201B	HVAC Automatic Controls	3
AC 210B	Boiler Operation and Maintenance	5
AC 220B	Chiller Operations and Maintenance	5

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in AC 103B

Human Relations included AC 102B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>13</b>

SECOND SEMESTER	Credits
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>10-13</b>

THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AC 116B Copper Fundamentals	1
AC 119B Professionals in Customer Service	1.5
AC 210B Boiler Operation and Maintenance	5
<b>TOTAL CREDITS</b> .....	<b>10.5</b>

FOURTH SEMESTER	Credits
AC 115B Troubleshooting <sup>1</sup>	5
AC 201B HVAC Automatic Controls	3
AC 220B Chiller Operations and Maintenance	5
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **46.5-49.5**

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology - Critical Systems**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61.5

DEGREE CODE: ACTCS-AAS

**DESCRIPTION**

This program prepares students to install, maintain, service, troubleshoot, and repair critical systems such as in data process centers and hospitals. The program enables students to learn how to maintain, troubleshoot, and repair HVAC equipment for equipment cooling and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field. Along with core classes, academic skills emphasizing related math, science, and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

**STUDENT LEARNING OUTCOMES**

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on commercial air conditioning equipment; critical systems; chillers.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 104B Applied Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 107 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Required: MGT 100B Practical Human Relations for Business

**NATURAL SCIENCE (4 credits)**

Required: MT 102B Fundamentals of Electricity

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Recommended: GEOG 106 World Geography

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38.5 CREDITS)****CORE REQUIREMENTS (33.5 credits)**

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 119B	Professionals in Customer Service	1.5
AC 201B	HVAC Automatic Controls	3
AC 212B	Equipment Cooling	5
MT 104B	Industrial Electricity	4

**Choose five credits from the following**

AC 220B	Chiller Operations and Maintenance	5
AC 295B	Internship HVAC Career	1-16

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology - Critical Systems**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61.5

DEGREE CODE: ACTCS-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 104B Applied Mathematics	3
ENG 100 or 101 or 107 or 113	3-5
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
MGT 100B Practical Human Relations for Business	3
MT 102B Fundamentals of Electric	4
GEOG 106 World Geography	3
AC 110B Intermediate HVAC Electrical Theory and Application	5
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
AC 119B Professionals in Customer Service	1.5
AC 201B HVAC Automatic Controls	3
AC 212B Equipment Cooling	5
MT 104B Industrial Electricity	4
<b>TOTAL CREDITS</b> .....	<b>13.5</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting <sup>1</sup>	5
AC 220B or 295B	5
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>61.5-66.5</b>

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.





# Air Conditioning Technology - Critical Systems

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 44.5

DEGREE CODE: ACTCS-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

This program prepares students to install, maintain, service, troubleshoot, and repair critical systems such as in data process centers and hospitals. The program enables students to learn how to maintain, troubleshoot, and repair HVAC equipment for equipment cooling and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field to help students prepare to meet challenges commonly found in the workplace.

## STUDENT LEARNING OUTCOMES

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on commercial air conditioning equipment; critical systems; chillers.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### COMMUNICATIONS (3-5 credits)

Required: COM 115 Applied Communications

## SPECIAL PROGRAM REQUIREMENTS (38.5 CREDITS)

### CORE REQUIREMENTS (33.5 credits)

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 119B	Professionals in Customer Service	1.5
AC 201B	HVAC Automatic Controls	3
AC 212B	Equipment Cooling	5
MT 104B	Industrial Electricity	4

### Choose five credits from the following

AC 220B	Chiller Operations and Maintenance	5
AC 295B	Internship HVAC Career	1-5

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in AC 103B

Human Relations included AC 102B

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>13</b>

SECOND SEMESTER	Credits
AC 110B Intermediate HVAC Electrical Theory and Application	5
MT 104B Industrial Electricity	4
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>9-12</b>

THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AC 201B HVAC Automatic Controls	3
AC 212B Equipment Cooling	5
<b>TOTAL CREDITS</b> .....	<b>11</b>

FOURTH SEMESTER	Credits
AC 115B Troubleshooting <sup>1</sup>	5
AC 119B Professionals in Customer Service	1.5
AC 220B or 295B	5
<b>TOTAL CREDITS</b> .....	<b>11.5</b>

**DEGREE PLAN TOTAL CREDITS**..... **44.5-47.5**

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology - Food Service Refrigeration**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62.5

DEGREE CODE: ACTFSR-AAS

**DESCRIPTION**

This program prepares students to install, maintain, service, troubleshoot, and repair commercial refrigeration systems. The program enables students to learn how to maintain, troubleshoot, and repair walk-in freezers, ice machines, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field. Along with core classes, academic skills emphasizing related math, science, and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

**STUDENT LEARNING OUTCOMES**

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on commercial refrigeration equipment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 104B Applied Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 107 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (3-4 credits)**

Recommended: ENV 101 Introduction to Environmental Science

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3-4 credits)**

Recommended: GEOG 106 World Geography

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (40.5 CREDITS)****CORE REQUIREMENTS (37.5 credits)**

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 200B	Commercial Refrigeration I	5
AC 202B	Commercial Refrigeration II	5

**Plus three credits from the following**

CADD 100	Introduction to Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Air Conditioning Technology - Food Service Refrigeration**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62.5

DEGREE CODE: ACTFSR-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 104B Applied Mathematics	3
ENG 100 or 101 or 107 or 113	3-5
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ALS 101 College Success	3
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
GEOG 106 World Geography	3
AC 116B Copper Fundamentals	1
AC 119B Professionals in Customer Service	1.5
AC 200B Commercial Refrigeration I	5
CADD 100 or CONS 120B	3
<b>TOTAL CREDITS</b> .....	<b>13.5</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENV 101 Introduction to Environmental Science	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting <sup>1</sup>	5
AC 202B Commercial Refrigeration II	5
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>62.5-67.5</b>

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.



# Air Conditioning Technology - Food Service Refrigeration

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 46.5

DEGREE CODE: ACTFSR-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

This program prepares students to install, maintain, service, troubleshoot, and repair commercial refrigeration systems. This program enables students to learn how to maintain, troubleshoot, and repair walk-in freezers, ice machines, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field to help students prepare to meet challenges commonly found in the workplace.

## STUDENT LEARNING OUTCOMES

- Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
- Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
- Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
- Diagnose and repair electrical or mechanical problems on commercial refrigeration equipment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

## SPECIAL PROGRAM REQUIREMENTS (40.5 CREDITS)

### CORE REQUIREMENTS (37.5 credits)

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
AC 106B	Residential Gas Heating	5
AC 110B	Intermediate HVAC Electrical Theory and Application	5
AC 115B	Troubleshooting	5
AC 116B	Copper Fundamentals	1
AC 119B	Professionals in Customer Service	1.5
AC 200B	Commercial Refrigeration I	5
AC 202B	Commercial Refrigeration II	5

### Choose three credits from the following

CADD 100	Introduction to Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in AC 103B

Human Relations included AC 102B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
AC 102B Introduction to HVAC Electrical Theory and Application	5
AC 103B Introduction to HVAC Mechanical Theory and Application	5
<b>TOTAL CREDITS</b> .....	<b>13</b>

SECOND SEMESTER	Credits
COM 115 Applied Communication	3
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>13-16</b>

THIRD SEMESTER	Credits
AC 116B Copper Fundamentals	1
AC 119B Professionals in Customer Service	1.5
AC 200B Commercial Refrigeration I	5
CADD 100 or CONS 120B	3
<b>TOTAL CREDITS</b> .....	<b>10.5</b>

FOURTH SEMESTER	Credits
AC 115B Troubleshooting <sup>1</sup>	5
AC 202B Commercial Refrigeration II	5
<b>TOTAL CREDITS</b> .....	<b>10</b>

**DEGREE PLAN TOTAL CREDITS**.....**46.5-49.5**

<sup>1</sup>This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Anthropology

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ANTH-AA

## DESCRIPTION

Anthropology is the study of all aspects of humans in all times and in all places. A four-field approach to the study of humanity – including human biological characteristics, culture, language, and the human past – provides students with an evolutionary, holistic, and comparative understanding of human diversity and similarity.

## STUDENT LEARNING OUTCOMES

- Differentiate anthropology’s theoretical and methodological approaches from those of other disciplines.
- Describe and compare the four subfields of anthropology – cultural anthropology, archaeology, linguistics, and physical/biological anthropology – including the practice of applied anthropology, historical development, methodologies, theoretical orientations, and the inter-relationships between the subfields.
- Articulate an anthropological perspective in relationship to contemporary issues and concerns.
- Critically evaluate information sources about different peoples and cultures, and demonstrate the ability to think holistically and comparatively in describing human cultural diversity.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

### MATHEMATICS (3 credits)

MATH 120 or 123 or above; or STAT 152

### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

### ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 50 for courses

### NATURAL SCIENCE (6-7 credits)

(Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

### HUMANITIES (6 credits)

COM 101; and one course from following: World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AA/AB/AS policy p. 50 for courses

### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. ANTH 101 fulfills this requirement.

## SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

### CORE REQUIREMENTS (14 credits)

ANTH 101	Introduction to Cultural Anthropology	3
ANTH 102	Introduction to Physical Anthropology	3
ANTH 105	Introduction to World Archaeology	3
ANTH 106	Introduction to Anthropological Linguistics	3
ANTH 299	Capstone Course in Anthropology	2

### ELECTIVES (choose 6 credits)

Any two ANTH courses not included in the Special Program Requirements listed above.

### SOCIAL SCIENCE ELECTIVES (6 credits)

(Six credits must be from two different disciplines):  
CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY;  
SOC; WMST 113

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Anthropology**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ANTH-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
ANTH 101 Introduction to Cultural Anthropology	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Natural Science <sup>1</sup> (With Lab – see courses previous page)	3-4
Complete Humanities <sup>2</sup> (see courses previous page)	3
ANTH 102 or 105 or 106	3
Complete Social Science <sup>3</sup> (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete Natural Science (No Lab – see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>4</sup> p. 50	4-6
ANTH 102 or 105 or 106	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
ANTH 102 or 105 or 106	3
ANTH 299 Capstone Course in Anthropology	2
Complete Electives (see courses previous page)	3
Complete Social Science <sup>3</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS**.....**60-65**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>2</sup>Use the course list that follows “COM 101 and one course from the following”

<sup>3</sup>Select one course from two different disciplines.

<sup>4</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



**Anthropology – African Culture**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ANTHAFC-AA

**DESCRIPTION**

Anthropology is the study of all aspects of humans in all times and in all places. A four-field approach to the study of humanity – including human biological characteristics, culture, language, and the human past – provides students with an evolutionary, holistic, and comparative understanding of human diversity and similarity.

**STUDENT LEARNING OUTCOMES**

- Differentiate anthropology's theoretical and methodological approaches from those of other disciplines.
- Describe and compare the four subfields of anthropology – cultural anthropology, archaeology, linguistics, and physical/biological anthropology – including the practice of applied anthropology, historical development, methodologies, theoretical orientations, and the inter-relationships between the subfields.
- Articulate an anthropological perspective in relationship to contemporary issues and concerns.
- Critically evaluate information sources about different peoples and cultures, and demonstrate the ability to think holistically and comparatively in describing human cultural diversity.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 123 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

COM 101; **and** one course from following:

World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

ANTH 101 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (14 credits)**

ANTH 101	Introduction to Cultural Anthropology	3
ANTH 102	Introduction to Physical Anthropology	3
ANTH 105	Introduction to World Archaeology	3
ANTH 106	Introduction to Anthropological Linguistics	3
ANTH 299	Capstone Course in Anthropology	2

**ELECTIVES (choose 6 credits)**

ANTH 201	Peoples and Cultures of the World	3
ANTH 204	Art in Cross-Cultural Perspective	3
ANTH 205	Ethnic Groups in Contemporary Societies	3
ANTH 206	African Culture Through Oral History and Storytelling	3
ANTH 209	Gender in Cross-Cultural Perspective	3
ANTH 216	Cultures Through Film	3

**SOCIAL SCIENCE ELECTIVES (6 credits)**

(Six credits must be from two different disciplines):  
CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY;  
SOC; WMST 113

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Anthropology – African Culture**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ANTHAFC-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
ANTH 101 Introduction to Cultural Anthropology	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Natural Science <sup>1</sup> (With Lab – see courses previous page)	3-4
Complete Humanities <sup>2</sup> (see courses previous page)	3
ANTH 102 or 105 or 106	3
Complete Social Science <sup>3</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete Natural Science (No Lab – see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>4</sup> p. 50	4-6
ANTH 102 or 105 or 106	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
ANTH 102 or 105 or 106	3
ANTH 299 Capstone Course in Anthropology	2
Complete Electives (see courses previous page)	3
Complete Social Science <sup>3</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS**.....**63-65**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>2</sup>Use the course list that follows “COM 101 and one course from the following”

<sup>3</sup>Select one course from two different disciplines.

<sup>4</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.





**Cultural Resource Management**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CRMGT-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

Cultural resource management (CRM) is the practice of managing and preserving cultural resources through the use of archaeological methods of survey, data collection, excavation, laboratory analysis and curation of cultural materials (artifacts), monitoring sensitive sites and public outreach. CRM archaeologists work with state and federal agencies, museums, and with private firms to ensure compliance with federal and state laws that protect cultural resources on federal and public land. The program is designed to prepare students by teaching them the skills required to obtain employment as entrylevel archaeological technicians working in the field, in labs, and for museums.

**STUDENT LEARNING OUTCOMES**

- Identify and evaluate archaeological sites and artifacts in the field and employ best current practices and methodologies to document them.
- Analyze archaeological materials both in the field and within a laboratory setting.
- Prepare state and federally mandated forms that document archaeological sites.
- Prepare written reports in compliance with federal, state, and local cultural preservation laws.
- Recognize the relationship, responsibilities, and interaction between the archaeologist, the contractor, and government agencies in the development and implementation of research projects and preservation plans.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (10 CREDITS)**

COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

NATURAL SCIENCE (4 credits)

Required: GEOL 101 Geology: Exploring Planet Earth

SOCIAL SCIENCE (3 credits)

Required: ANTH 101 Introduction to Cultural Anthropology

**SPECIAL PROGRAM REQUIREMENTS (20 CREDITS)**

**CORE REQUIREMENTS (17 credits)**

ANTH 102	Introduction to Physical Anthropology	3
ANTH 105	Introduction to World Archaeology	3
ANTH 202	Introduction to Archaeology	3
ANTH 218	Introduction to the Archaeology of the Great Basin and the Southwest	3
ANTH 227	Foundations of Archaeological Lab Methods	3
ANTH 290	Internship in Anthropology 1	2

**FIELD METHODS ELECTIVE (3 credits)**

ANTH 225	Archaeological Field Methods Survey	3
ANTH 226	Archaeological Field Methods Excavation	3

Computation included in ANTH 226 or 227

Human Relations included ANTH 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
GEOL 101 Geology: Exploring Planet Earth	4
ANTH 101 Introduction to Cultural Anthropology	3
<b>TOTAL CREDITS</b> .....	<b>10-12</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ANTH 102 Introduction to Physical Anthropology	3
ANTH 105 Introduction to World Archaeology	3
ANTH 202 Introduction to Archaeology	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
ANTH 218 Introduction to the Archaeology of the Great Basin and the Southwest	3
ANTH 227 Foundations of Archaeological Lab Methods	3
Complete Field Methods Elective (ANTH 225 or 226)	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ANTH 290 Internship in Anthropology <sup>1</sup>	2
<b>TOTAL CREDITS</b> .....	<b>2</b>

**DEGREE PLAN TOTAL CREDITS**.....**30-32**

<sup>1</sup>Student must complete 2 credits of ANTH 290 (either one 2 credit section or two 1 credit sections).



**Forensic Anthropology**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 30**

**DEGREE CODE: FRANTH-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Forensic Anthropology certificate program provides a foundation in the biological, social, and applied components of forensic activities in which anthropologists engage. The certificate program is designed to prepare students for a variety of pathways leading to careers in forensic anthropology at local and national levels. The program offers students opportunities for practical application of learning within an academic framework.

**STUDENT LEARNING OUTCOMES**

- Apply core concepts in cultural anthropology, physical anthropology, medical anthropology, and forensic anthropology.
- Demonstrate a working knowledge of human skeletal anatomy.
- Analyze and construct a biological profile.
- Understand the ethical responsibilities expected of forensic anthropology.
- Articulate the role of forensic anthropology in human rights and disaster response.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (15 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 120 Fundamentals of College Mathematics

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 113

**HUMAN RELATION (9 credits)**

CRJ 104 and PSY 101 and SOC 101

**SPECIAL PROGRAM REQUIREMENTS (15 CREDITS)**

**CORE REQUIREMENTS (14 credits)**

ANTH 101	Introduction to Cultural Anthropology	3
ANTH 102	Introduction to Physical Anthropology	3
ANTH 110L	Physical Anthropology Lab	1
ANTH 222	Fundamentals of Forensic Anthropology	3
ANTH 228	Health, Healing and Culture	3
ANTH 290	Internship in Anthropology	2

Computation included in MATH 120

Human Relations included in CRJ 104, PSY 101, SOC 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
MATH 120 Fundamentals of College Mathematics	3
ANTH 101 Introduction to Cultural Anthropology	3
<b>TOTAL CREDITS</b> .....	<b>9-11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
SOC 101 Principles of Sociology	3
PSY 101 General Psychology	3
ANTH 102 Introduction to Physical Anthropology	3
ANTH 110L Physical Anthropology Lab	1
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
CRJ 104 Introduction to Administration of Justice	3
ANTH 222 Fundamentals of Forensic Anthropology	3
ANTH 228 Health, Healing and Culture	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
ANTH 290 Internship in Anthropology <sup>1</sup>	2
<b>TOTAL CREDITS</b> .....	<b>2</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

<sup>1</sup>Student must complete 2 credits of ANTH 290 (either one 2 credit section or two 1 credit sections).

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Addiction Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSADSAAS

**DESCRIPTION**

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (29 credits)**

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

**ELECTIVES (choose 9 credits)**

CPD 116	Substance Abuse: Fundamental Facts and Insights	3
CPD 121	Gambling Addiction	3
CPD 133	Small Group Interaction - Group Counseling	3
CPD 220	Dual Diagnosis	3
MHDD 295	Practicum	3
	Any one other CPD course.	3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Addiction Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSADSAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



**Applied Psychology - Aging Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSAGSAAS

**DESCRIPTION**

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (29 credits)**

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

**ELECTIVES (choose 9 credits)**

MHDD 110	Introduction to Disability Services	3
MHDD 152	Allied Therapies	1
MHDD 160	Understanding Mental Illness	2
MHDD 295	Practicum	3
PSY 207	Psychology and the Family	3
PSY 276	Aging in Modern American Society	3
SOC 276	Aging in Modern American Society	3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Applied Psychology - Aging Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSAGSAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



## Applied Psychology - Child/Family Services

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHSCFSAAS

### DESCRIPTION

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

### STUDENT LEARNING OUTCOMES

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

#### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

#### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

#### HUMAN RELATIONS (3 credits)

Required: PSY 101 General Psychology

#### NATURAL SCIENCE (3 credits)

See AAS policy p. 51 for courses

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 51 for courses

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

### SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

#### CORE REQUIREMENTS (29 credits)

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3
<b><u>ELECTIVES (choose 9 credits)</u></b>		
CPD 133	Small Group Interaction - Group Counseling	3
MHDD 130	Teaching Life Skills	3
MHDD 295	Practicum	3
PSY 130	Human Sexuality	3
PSY 207	Psychology and the Family	3
PSY 233	Child Psychology	3
SOC 275	Introduction to Marriage and Family	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Child/Family Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSCFSAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



**Applied Psychology - Community Social Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHSCSSAAS

**DESCRIPTION**

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (29 credits)**

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

**ELECTIVES (choose 9 credits)**

MHDD 110	Introduction to Disability Services	3
MHDD 295	Practicum	3
PSY 207	Psychology and the Family	3
SOC 102	Contemporary Social Issues	3
SOC 270	Introduction to Deviant Behavior	3
SOC 275	Introduction to Marriage and Family	3

See Degree Plan on next page.



**Applied Psychology - Community Social Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.





**Applied Psychology - Disability Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSDS-AAS

**DESCRIPTION**

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (29 credits)**

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

**ELECTIVES (choose 9 credits)**

MHDD 103	Psychopathology and Developmental Disabilities	1
MHDD 110	Introduction to Disability Services	3
MHDD 126	Understanding Developmental Disabilities	2
MHDD 130	Teaching Life Skills	3
MHDD 152	Allied Therapies	1
MHDD 160	Understanding Mental Illness	2
MHDD 210	Autism Spectrum Disorders	3
MHDD 295	Practicum	3
PSY 201	Lifespan Development	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Disability Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSDS-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



## Applied Psychology - Mental Health Services

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSBHSAAS

### DESCRIPTION

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

### STUDENT LEARNING OUTCOMES

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

#### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

#### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

#### HUMAN RELATIONS (3 credits)

Required: PSY 101 General Psychology

#### NATURAL SCIENCE (3 credits)

See AAS policy p. 51 for courses

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 51 for courses

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

### SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

#### CORE REQUIREMENTS (29 credits)

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

#### ELECTIVES (choose 9 credits)

CPD 116	Substance Abuse: Fundamental Facts and Insights	3
CPD 133	Small Group Interaction - Group Counseling	3
CPD 220	Dual Diagnosis	3
MHDD 103	Psychopathology and Developmental Disabilities	1
MHDD 152	Allied Therapies	1
MHDD 160	Understanding Mental Illness	2
MHDD 295	Practicum	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Mental Health Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSBHSAA5

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



**Applied Psychology - Supervisory Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSSS-AAS

**DESCRIPTION**

The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (29 credits)**

CPD 117	Introduction to Counseling	3
CPD 120	Treatment Planning Case Management	2
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 102	Medical Component	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 150	Issues in Substance Abuse	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 299	Capstone Project	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 241	Introduction to Abnormal Psychology	3

**ELECTIVES (choose 9 credits)**

MGT 201	Principles of Management	3
MGT 212	Leadership and Human Relations	3
MGT 283	Introduction to Human Resources Management	3
MGT 286B	Personnel Interviewing	3
MHDD 295	Practicum	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Applied Psychology - Supervisory Services**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: MHCSSS-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 51	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CPD 117 Introduction to Counseling	3
MHDD 102 Medical Component	1
MHDD 107 Medication Fundamentals	2
PSY 102 Psychology of Personal and Social Adjustment	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CPD 120 Treatment Planning Case Management	2
CPD 201 Crisis Communication Skills	3
MHDD 127 Positive Behavior Supports	2
MHDD 150 Issues in Substance Abuse	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
MHDD 153 Life Span Development	1
MHDD 154 Advanced Therapeutic Interventions	2
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



## Applied Psychology - Mental Health Services

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: APMS-CT

### IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

### DESCRIPTION

The Applied Psychology - Mental Health Services certificate program offers a broad foundation in direct service provision of mental health services and related community services such as services for persons or families dealing with mental illness, intellectual/developmental disabilities, and problems with substance abuse. The certificate program is interdisciplinary in nature and is designed to prepare students for careers in direct services in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Career opportunities are projected to be above average for the foreseeable future.

### STUDENT LEARNING OUTCOMES

- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and related community services.
- Analyze individual service goals, behaviors, strengths, needs, plan development, and intervention strategies related to current service models in mental health and related community services.
- Apply knowledge of current best practices and ethical standards in planning and implementation of individualized service plans with persons with mental health or related community services needs.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3-5 credits)

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

#### CORE REQUIREMENTS (21 credits)

CPD 117	Introduction to Counseling	3
CPD 201	Crisis Communication Skills	3
MHDD 101	Role of the Technician	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 160	Understanding Mental Illness	2
MHDD 299	Capstone Project	3
PSY 241	Introduction to Abnormal Psychology	3

### SPECIAL PROGRAM REQUIREMENTS CONTINUED

#### ELECTIVES (choose 6 credits)

CPD 116	Substance Abuse: Fundamental Facts and Insights	3
MHDD 102	Medical Component	1
MHDD 103	Psychopathology and Developmental Disabilities	1
MHDD 106	Teaching and Active Treatment	1
MHDD 110	Introduction to Disability Services	3
MHDD 126	Understanding Developmental Disabilities	2
MHDD 130	Teaching Life Skills	3
MHDD 150	Issues in Substance Abuse	1
MHDD 152	Allied Therapies	1
MHDD 153	Life Span Development	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 210	Autism Spectrum of Disorders	3
MHDD 295	Practicum	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 130	Human Sexuality	3
	1-3 credits from any one other CPD or MHDD course	1-3

Computation included in MHDD 107, 109, 127

Human Relations included in CPD 201; MHDD 101, 109, 127

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Applied Psychology - Mental Health Services**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: APMHS-CT

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
CPD 117 Introduction to Counseling	3
MHDD 101 Role of the Technician	1
MHDD 107 Medication Fundamentals	2
MHDD 109 Introduction to Therapeutic Interventions	2
MHDD 127 Positive Behavior Supports	2
MHDD 160 Understanding Mental Illness	2
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
CPD 201 Crisis Communication Skills	3
MHDD 299 Capstone Project	3
PSY 241 Introduction to Abnormal Psychology	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30</b>



**Architectural Design Technology – Interior Design**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: ADTDSG-AAS

**DESCRIPTION**

This degree program builds the skills required to produce professional and quality interior architectural designs. The core curriculum is a sequence of lecture/lab courses that stress the design theory and application, color, space planning, interior materials, furniture specification, CADD, business practices and field experience.

**STUDENT LEARNING OUTCOMES**

- Demonstrate competency in the foundations and theory of interior design.
- Demonstrate competency in drafting, CADD and presentation skills.
- Demonstrate competency in design development skills in the selection and specification of interior furnishings, finishes, materials, textiles and decorative elements.
- Demonstrate knowledge in design process including research, programming, concept development, specifications and business practices.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

ANTH 101, 201; PSY 101, 102, 207, 208; SOC 101 or above

**NATURAL SCIENCE (6 credits)**

BIOL 101; CHEM 105; ENV 101; PHYS 110

**FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)**

Required: ART 107 Design Fundamental I (2-D)

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (42 CREDITS)**

AAD 180	Fundamentals of Design I	3
AAD 182	Fundamentals of Design II	3
AAE 100	Introduction to Architecture	3
ADT 100B	Introduction to Drafting Theory	3
ADT 201B	Introduction to Building Information Modeling	3
CADD 105	Intermediate Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3
INTD 105B	History of Furniture and Interiors I	3
INTD 106B	History of Furniture and Interiors II	3
INTD 216	Textiles	3
INTD 218B	Methods and Materials	3
INTD 255B	Interior Design Studio I	3
INTD 257B	Interior Design Studio II	3
INTD 258B	Business Practices	3

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
AAD 180 Fundamentals of Design I	3
AAE 100 Introduction to Architecture	3
CONS 120B Construction Plans and Specifications	3
INTD 105B History of Furniture and Interiors I	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses this page)	3
AAD 182 Fundamentals of Design II	3
ADT 100B Introduction to Drafting Theory	3
ADT 201B Introduction to Building Information Modeling	3
INTD 106B History of Furniture and Interiors II	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
Complete Mathematics (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses this page)	3
ART 107 Design Fundamentals I (2-D)	3
INTD 216 Textiles	3
INTD 218B Methods and Materials	3
INTD 255B Interior Design Studio I	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses this page)	3
PSC 101 Introduction to American Politics	4
CADD 105 Intermediate Computer Aided Drafting	3
INTD 257B Interior Design Studio II	3
INTD 258B Business Practices	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>67-69</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Architectural Design Technology – Residential Design**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

DEGREE CODE: ADTRES-AAS

**DESCRIPTION**

This degree program builds the skills required to produce professional and quality residential architectural designs. The core curriculum is a sequence of lecture/lab courses that stress the theory and method of detailing, drafting and designing residential buildings. Graduates can seek employment at residential design and architectural firms. Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize design standards and skills specific to the architecture profession.
- Comprehend and utilize building codes appropriately in the design of residential buildings.
- Comprehend building systems, to include: structural, plumbing, electrical, mechanical and utilize their role in the production of architectural working drawings and construction documents.
- Organize and produce a set of architectural working drawings for a residential building.
- Comprehend and utilize design principles, to include: site context, user needs, climate conditions and other environmental conditions through assigned residential design projects.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (28 CREDITS)****MATHEMATICS (5-6 credits)**

MATH 126 and 127; or MATH 128

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (7 credits)**

Required: GEOG 103 and PHYS 151

**FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)**

Required: ART 101 Drawing I

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (44 CREDITS)**

AAD 180	Fundamentals of Design I	3
AAD 182	Fundamentals of Design II	3
AAE 100	Introduction to Architecture	3
ADT 100B	Introduction to Drafting Theory	3
ADT 103B	Urban Planning	3
ADT 107B	Architectural Residential Codes	2
ADT 114B	History of the Built Environment	3
ADT 201B	Introduction to Building Information Modeling	3
ADT 205B	Architectural Environmental Control Systems	3
ADT 210B	Residential Structural Technology	3
ADT 280B	Architectural Residential Design	3
ADT 282B	Architectural Residential Design II	3
CADD 105	Intermediate Computer Aided Drafting	3
CONS 120B	Construction Plans and Specifications	3
SCT 105B	Sustainable Construction Materials	3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Architectural Design Technology – Residential Design**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

DEGREE CODE: ADTRES-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
AAD 180 Fundamentals of Design I	3
AAE 100 Introduction to Architecture	3
CONS 120B Construction Plans and Specifications	3
SCT 105B Sustainable Construction Materials	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	5-6
AAD 182 Fundamentals of Design II	3
ADT 100B Introduction to Drafting Theory	3
ADT 107B Architectural Residential Codes	2
ADT 201B Introduction to Building Information Modeling	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PHYS 151 General Physics I	4
ADT 103B Urban Planning	3
ADT 114 History of the Built Environment	3
ADT 280B Architectural Residential Design	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
CADD 105 Intermediate Computer Aided Drafting	3
ADT 205B Architectural Environmental Control Systems	3
ADT 210B Residential Structural Technology	3
ADT 282B Architectural Residential Design II	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3-5
Complete Human Relations (see courses previous page)	3
GEOG 103 Physical Geography	3
ART 101 Drawing I	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>72-77</b>



**Art**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ART-AA

**STUDENT LEARNING OUTCOMES**

- Apply critical thinking skills in the production and analysis of works of art.
- Create art that demonstrates strong foundational skills in the application of technique.
- Articulate orally and through written responses to works of art using appropriate language of art.
- Demonstrate knowledge of the artistic practices and cultural contexts of a variety of artistic traditions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

Recommended: BIOL 122 and GEOG 103

**SOCIAL SCIENCE (9 credits)**

Recommended: ANTH 101 and ECON 100 and PSY 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Any of the following courses will satisfy this requirement: ART 260 or 262 or 263.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (17 credits)**

ART 101	Drawing I	3
ART 102	Drawing II	3
ART 107	Design Fundamentals I (2-D)	3
ART 216	Sculpture I	3
ART 231	Painting I	3
ART 298	Portfolio Emphasis	2

**Choose one from the following (3 credits)**

ART 260	Survey of Art History I	3
ART 261	Survey of Art History II	3

**Choose one from the following (3 credits)**

ART 262	Survey of Asian Art	3
ART 263	Survey of African, Oceanic, and Native American Art	3

**ELECTIVES (choose 3 credits)**

ART 108	Design Fundamentals II (3-D)	3
ART 124	Introduction to Printmaking	3
ART 135	Photography I	3
ART 141	Introduction to Digital Photography	3
ART 201	Life Drawing I	3
ART 211	Ceramics I	3
ART 243	Digital Imaging I	3
ART 265	Introduction to Contemporary Art	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Art

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ART-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
MATH 120 Fundamentals of College Mathematics	3
Complete Social Science (see courses previous page)	3
ART 101 Drawing I	3
ART 107 Design Fundamentals I (2-D)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Social Science (see courses previous page)	3
GEOG 103 Physical Geography	3
ART 102 Drawing II	3
ART 260 or ART 261	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
ENG 223 Themes of Literature	3
BIOL 122 Desert Plants <sup>1</sup>	3-4
ART 216 Sculpture I	3
ART 231 Painting I	3
ART 262 or ART 263	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
PHIL 102 Reasoning and Critical Thinking	3
Complete Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
ART 298 Portfolio Emphasis	2
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**<sup>1</sup>This course is only offered in the spring semester.

# Automotive Technology - Alternative Fuels and Hybrid Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: AUTAFHTAAS

## DESCRIPTION

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. This degree places an emphasis on the current and emerging technology used in hybrid and alternative fueled vehicles.

## STUDENT LEARNING OUTCOMES

- Demonstrate diagnostic and repair routines as related to the major systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A4, ASE A5, ASE A6, and ASE A7.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both mechanical and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

Recommended: ENG 107 Technical Communications I

### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

### NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

Recommended: COM 101 Oral Communication

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (34 credits)

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 185B Introduction to Alternative Fueled Vehicles	3
AUTO 285B Hybrid Vehicle Service Techniques	4

### Electives (choose 4 credits)

AUTO 205B Manual Drive Train and Axles	4
AUTO 216B Automatic Transmissions	5
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 245B Power Train Removal and Replacement	4

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

### FIRST SEMESTER

	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics <sup>1</sup>	4
AUTO 117B Advanced Automotive Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

### SECOND SEMESTER

	Credits
ENG 107 Technical Communications	3
AUTO 136B Automotive Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Automotive Steering and Suspension	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

### THIRD SEMESTER

	Credits
COM 115 Applied Communication	3
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 185B Introduction to Alternative Fueled Vehicles	3
AUTO 285B Hybrid Vehicle Service Techniques <sup>3</sup>	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

### FOURTH SEMESTER

	Credits
AST 101 General Astronomy	3
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
AUTO 205B or 216B or 225B or 245B	4-5
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-61**

<sup>1</sup>Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

<sup>2</sup>Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

<sup>3</sup>Prerequisite of AUTO 185B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Automotive Technology - Collision Repair

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: AUTOTCRAAS

## DESCRIPTION

The Collision Repair program is designed to prepare students as entry level collision repair technicians. Students will earn I-CAR (Industry Council for Automotive Repair) certification points in 26 different areas including customer service, estimating, welding, plastics, and paint and refinish. Successful students will become proficient in safe working procedures, structural, and nonstructural repairs, refinishing techniques, and estimating.

## STUDENT LEARNING OUTCOMES

- Understand, identify, and implement safe working procedures and pass the SP/2 examinations.
- Perform nonstructural, structural, paint, and refinish operations.
- Complete the appropriate ICAR certifications.
- Prepare to take the following ASE examinations: ASE B2, ASE B3, and ASE B4.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

Recommended: ENG 107 Technical Communications I

### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

### NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

Recommended: COM 101 Oral Communication

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

ABDY 101B Collision Repair Fundamentals and Estimating	4
ABDY 110B Paint and Refinish I	4
ABDY 120B NonStructural Welding	4
ABDY 122B NonStructural Body and Panel and Trim	4
ABDY 150B Structural I	4
ABDY 152B Structural II	4
ABDY 180B Nonstructural Advanced Body Panel	4
ABDY 220B Paint and Refinish II	4
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

	Credits
<b>FIRST SEMESTER</b>	
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
ABDY 101B Collision Repair Fundamentals and Estimating	4
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>SECOND SEMESTER</b>	
ENG 107 Technical Communications	3
ABDY 110B Paint and Refinish I	4
ABDY 120B Non-Structural Welding	4
ABDY 122B Non-Structural Body and Panel and Trim	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	
COM 115 Applied Communication	3
AST 101 General Astronomy	3
AUTO 115B Automotive Electricity and Electronics	4
ABDY 150B Structural I	4
ABDY 180B Non-Structural Advanced Body Panel	4
<b>TOTAL CREDITS</b> .....	<b>18</b>
<b>FOURTH SEMESTER</b>	
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
ABDY 152B Structural II	4
ABDY 220B Paint and Refinish II	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Collision Repair

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 37

DEGREE CODE: AUTOCOR-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Collision Repair program is designed to prepare students as entry level collision repair technicians. Students will earn I-CAR (Industry Council for Automotive Repair) certification points in 26 different areas including customer service, estimating, welding, plastics, and paint and refinish. Successful students will become proficient in safe working procedures, structural and non-structural repairs, refinishing techniques and estimating.

## STUDENT LEARNING OUTCOMES

- The student will understand, identify, and implement safe working procedures and pass the SP/2 examinations.
- The student will perform non-structural, structural, and paint and refinish operations.
- The student will complete the associated ICAR certifications.
- The student will prepare to take the following ASE examinations: ASE B2, ASE B3, and ASE B4.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3-5 credits)

Choices: BUS 108; COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

Recommended: COM 115 Applied Communication

## SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)

ABDY 101B Collision Repair Fundamentals and Estimating	4
ABDY 110B Paint and Refinish I	4
ABDY 120B Non-Structural Welding	4
ABDY 122B Non-Structural Body and Panel and Trim	4
ABDY 150B Structural I	4
ABDY 152B Structural II	4
ABDY 180B Non-Structural Advanced Body Panel	4
ABDY 220B Paint and Refinish II	4
AUTO 105B Automotive Maintenance I	2

Computation included in ABDY 101B

Human Relations included in ABDY 101B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
ABDY 101B Collision Repair Fundamentals and Estimating	4
AUTO 105B Automotive Maintenance	2
<b>TOTAL CREDITS</b> .....	<b>9</b>
SECOND SEMESTER	Credits
ABDY 110B Paint and Refinish I	4
ABDY 120B Non-Structural Welding	4
ABDY 122B Non-Structural Body and Panel and Trim	4
<b>TOTAL CREDITS</b> .....	<b>12</b>
THIRD SEMESTER	Credits
ABDY 150B Structural I	4
ABDY 180B Non-Structural Advanced Body Panel	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
FOURTH SEMESTER	Credits
ABDY 152B Structural II	4
ABDY 220B Paint and Refinish II	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>37</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Automotive Technology – Diagnostic Specialist

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: AUTODIAGCT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

This Certificate program prepares students for entry level careers as engine performance diagnostic technicians. Completion will prepare the student to be knowledgeable and proficient in safe operational procedures, use of hand and power tools, and use of lab and advanced diagnostic equipment including DVOM's, scan tools, digital storage oscilloscopes, electronic service information, as well as having a basic knowledge of the automotive industry as a whole. Students will perform diagnosis and repair of electrical systems including battery, starting and charging, engine related service procedures, driveability diagnosis, and diagnosis of vehicle computer network systems and body control computers. Student will be knowledgeable in alternative fueled vehicle service techniques as related to the driveability area. Students will also be prepared to obtain a State of Nevada Class 1G smog inspector license.

## STUDENT LEARNING OUTCOMES

- Understand, identify, and implement safe working procedures.
- Obtain a Nevada Class 1G smog certification.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A6, and ASE A8

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communication

## SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control	4
AUTO 235B Engine Performance III/Diagnostics	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2

Computation included in AUTO 115B

Human Relations included in AUTO 115B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I <sup>1</sup>	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2
<b>TOTAL CREDITS</b> .....	<b>11</b>

SECOND SEMESTER	Credits
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
<b>TOTAL CREDITS</b> .....	<b>9</b>

THIRD SEMESTER	Credits
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emissions Control <sup>2</sup>	4
AUTO 235B Engine Performance III/Diagnostics	4
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**.....**32**

<sup>1</sup>Prerequisite AUTO 105B. Contact the department of Applied Technologies for permission to complete this class in this semester.

<sup>2</sup>Prerequisite AUTO 225B. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Automotive Technology – Heavy-Line Specialist**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: AUTOHVYLCT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program prepares students for entry level careers as heavy-line repair technicians. Students completing this Certificate will be able to diagnose, remove, disassemble, repair and/or replace and reassemble manual and automatic transmissions, transaxles, differential, clutches, transfer, and axle units. Additionally, students will be able to perform engine mechanical diagnosis, disassembly/reassembly, and other engine related heavy service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's, scan tools, electronic service information systems, and in general knowledge of automotive industry.

**STUDENT LEARNING OUTCOMES**

- Understand, identify, and implement safe working procedures and successfully pass the SP/2 examinations.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A2, ASE A3, and ASE A6.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3-5 credits)**

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 205B Manual Drivetrain and Axles	4
AUTO 216B Automatic Transmissions	5
AUTO 245B Powertrain Removal and Replacement	4

Computation included in AUTO 115B

Human Relations included in AUTO 115B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics <sup>1</sup>	4
AUTO 117B Advanced Automotive Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>13</b>

**SECOND SEMESTER**

	<b>Credits</b>
AUTO 136B Engine Repair	5
AUTO 205B Manual Drivetrain/Axles	4
AUTO 216B Automatic Transmissions	5
<b>TOTAL CREDITS</b> .....	<b>14</b>

**THIRD SEMESTER**

	<b>Credits</b>
AUTO 245B Power Train Removal/ Replacement	4
<b>TOTAL CREDITS</b> .....	<b>4</b>

**DEGREE PLAN TOTAL CREDITS**.....**31**

<sup>1</sup>Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete these courses in the same semester.

<sup>2</sup>Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete these courses in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Automotive Technology - Master Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 74

DEGREE CODE: AUTOTMTAAS

### DESCRIPTION

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams.

### STUDENT LEARNING OUTCOMES

- Apply diagnostic and repair routines as related to the eight major systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A2, ASE A3, ASE A4, ASE A5, ASE A6, ASE A7, and ASE A8.
- Use both printed and electronic repair information and service literature.
- Use both mechanical and PC based computerized diagnostic equipment.
- Interpret diagnostic and repair literature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

#### ENGLISH COMPOSITION (3-5 credits)

Recommended: ENG 107 Technical Communications I

#### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

#### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

#### NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

#### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

Recommended: COM 101 Oral Communication

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

### SPECIAL PROGRAM REQUIREMENTS (52 CREDITS)

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 205B Manual Drive Train and Axles	4
AUTO 216B Automatic Transmissions	5
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control	4
AUTO 235B Engine Performance III/Diagnostics	4
AUTO 245B Power Train Removal and Replacement	4

### FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics <sup>1</sup>	4
AUTO 117B Advanced Automotive Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>16</b>
SECOND SEMESTER	Credits
ENG 107 Technical Communications	3
AUTO 136B Automotive Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Automotive Steering and Suspension	4
<b>TOTAL CREDITS</b> .....	<b>16</b>
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 205B Automotive Drivetrain and Axles	4
AUTO 216B Automotive Transmissions	5
<b>TOTAL CREDITS</b> .....	<b>16</b>
FOURTH SEMESTER	Credits
AST 101 General Astronomy	3
AUTO 225B Engine Performance I/ Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control <sup>3</sup>	4
AUTO 235B Engine Performance III/Diagnostics	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
FIFTH SEMESTER	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
AUTO 245B Powertrain Removal and Replacement	4
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>74</b>

<sup>1</sup>Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.  
<sup>2</sup>Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.  
<sup>3</sup>Prerequisite of AUTO 225B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Automotive Technology - Performance Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: AUTOTPTAAS

**DESCRIPTION**

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians, as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. This degree places an emphasis on driveability diagnosis and repair.

**STUDENT LEARNING OUTCOMES**

- Demonstrate diagnostic and repair routines as related to the performance systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A6, ASE A7, and ASE A8.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both mechanical and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 104B Applied Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

Recommended: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (3 credits)**

Recommended: AST 101 General Astronomy

**FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)**

Recommended: COM 101 Oral Communication

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (33 credits)**

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control	4
AUTO 235B Engine Performance III/Diagnostics	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2

**Electives (choose 5 credits)**

AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
AUTO 185B Introduction to Alternative Fueled Vehicles	3
AUTO 205B Manual Drivetrain and Axles	4
AUTO 216B Automatic Transmissions	5
AUTO 245B Power Train Removal and Replacement	4

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.***FIRST SEMESTER**

	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics <sup>1</sup>	4
AUTO 117B Advanced Automotive Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

**SECOND SEMESTER**

	Credits
ENG 107 Technical Communications	3
AST 101 General Astronomy	3
AUTO 136B Automotive Engine Repair	5
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 240B Nevada 1G Emission Inspector Preparation	2
<b>TOTAL CREDITS</b> .....	<b>17</b>

**THIRD SEMESTER**

	Credits
COM 115 Applied Communication	3
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control <sup>3</sup>	3
AUTO 235B Engine Performance III/Diagnostics	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

**FOURTH SEMESTER**

	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
Complete Electives (see courses this page)	5
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**.....**60**

<sup>1</sup>Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

<sup>2</sup>Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

<sup>3</sup>Prerequisite of Auto225B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Automotive Technology - Service Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: AUTOTSTAAS

## DESCRIPTION

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. This degree places an emphasis on preparing general service technicians.

## STUDENT LEARNING OUTCOMES

- Demonstrate diagnostic and repair routines as related to the major systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A2, ASE A3, ASE A4, ASE A5, ASE A6, and ASE A7.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both mechanical and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

Recommended: ENG 107 Technical Communications I

### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

### NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

Recommended: COM 101 Oral Communication

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

AUTO 105B	Automotive Maintenance I	2
AUTO 115B	Automotive Electricity and Electronics I	4
AUTO 117B	Advanced Automotive Electronics	4
AUTO 136B	Engine Repair	5
AUTO 145B	Automotive Brakes	4
AUTO 155B	Steering and Suspension	4
AUTO 165B	Automotive Heating and Air Conditioning	4
AUTO 205B	Manual Drive Train and Axles	4
AUTO 216B	Automatic Transmissions	5
AUTO 245B	Power Train Removal and Replacement	4

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics <sup>1</sup>	4
AUTO 117B Advanced Automotive Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>16</b>
SECOND SEMESTER	Credits
ENG 107 Technical Communications	3
AUTO 136B Automotive Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Automotive Steering and Suspension	4
<b>TOTAL CREDITS</b> .....	<b>16</b>
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 205B Automotive Drivetrain and Axles	4
AUTO 216B Automotive Transmissions	5
<b>TOTAL CREDITS</b> .....	<b>16</b>
FOURTH SEMESTER	Credits
AST 101 General Astronomy	3
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
AUTO 245B Powertrain Removal and Replacement	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>62</b>

<sup>1</sup>Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

<sup>2</sup>Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Auto Maintenance and Light Repair

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: AUTOMAINTC

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

This program prepares students for entry level careers as maintenance and light repair technicians. Students completing this Certificate will be able to repair battery, starting, charging and electrical system malfunctions, brake, steering, suspension and air conditioning systems, and perform engine mechanical diagnosis and maintenance related engine service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's scan tools, electronic service information systems, and in general knowledge of the automotive industry. Students will be knowledgeable in special maintenance techniques related to alternative fueled and hybrid electric vehicles. Students will also be qualified to obtain a Nevada Class 1G smog inspector licensure.

## STUDENT LEARNING OUTCOMES

- Understand, identify, and implement safe working procedures and successfully pass the SP/2 examinations.
- Prepare to obtain a Nevada Class 1G smog certification.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A4, ASE A5, ASE A6, and ASE A7

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communication

## SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I	4
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
AUTO 165B Automotive Heating and Air Conditioning	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2

Computation included in AUTO 115B

Human Relations included in AUTO 115B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

### FIRST SEMESTER

	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics 1 <sup>1</sup>	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2
<b>TOTAL CREDITS</b> .....	<b>11</b>

### SECOND SEMESTER

	Credits
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 165B Automotive Heating and Air Conditioning	4
<b>TOTAL CREDITS</b> .....	<b>13</b>

### THIRD SEMESTER

	Credits
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
<b>TOTAL CREDITS</b> .....	<b>8</b>

**DEGREE PLAN TOTAL CREDITS**.....**32**

<sup>1</sup>Prerequisite AUTO 105. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Aviation Technology – Flight Operations

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: AVTFO-AAS

## DESCRIPTION

The Aviation Technology program is designed specifically for students who have a desire to work in aviation-related careers. Thorough coverage of the Federal Aviation Regulations will apply to all aspects of study. The program provides the application of concepts pertaining to airport and aircraft operations for domestic and international flights. Students may select from either Professional Pilot or Flight Operations areas of study. The program will prepare students to enter the employment market as Professional Pilots, Flight Crew Members, OR, Flight Operations Specialist, Crew Scheduler, Flight Follower, Customer Service Representative, or Aircraft Servicing Personnel. Students must meet all eligibility requirements determined by the Federal Aviation Administration and the Transportation Security Administration.

## STUDENT LEARNING OUTCOMES

- Explain the U.S. Federal Aviation Regulations and how they pertain to airport operating procedures, crew rest requirements, general operating flight rules, scheduled and non-scheduled flight operations.
- Identify the principles of flight pertaining to normal and transport category aircraft.
- Integrate management concepts particular to airports and the relationship among airline operating environments.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

### MATHEMATICS (3 credits)

Required: MATH 116 Technical Mathematics

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

### COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

### HUMAN RELATIONS (3 credits)

Recommended: PSY 101 General Psychology

### NATURAL SCIENCE (4 credits)

Required: EGG 131 and EGG 131L

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

Recommended: SOC 101 Principles of Sociology

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)

ACC 201	Financial Accounting	3
AV 100B	Aviation Orientation	3
AV 105B	Airport Operations	3
AV 107B	Airline Operations	3
AV 110B	Private Pilot Ground School	4
AV 112B	Human Factors and Safety	3
AV 114B	Advanced Navigation	3
AV 115B	Aviation Meteorology	3
AV 215B	Crew Resource Management	3
AV 220B	Air Transportation	3
IS 101	Introduction to Information Systems	3
MGT 201	Principles of Management	3

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 50	3-5
ACC 201 Financial Accounting	3
AV 100B Aviation Orientation	3
AV 105B Airport Operations	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
SECOND SEMESTER	Credits
COM 101 Oral Communication	3
PSY 101 General Psychology	3
PSC 101 Introduction to American Politics	4
AV 107B Airline Flight Operations	3
AV 115B Aviation Meteorology	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
THIRD SEMESTER	Credits
EGG 131 and EGG 131L	4
AV 110B Private Pilot Ground School	4
AV 112B Human Factors and Safety	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
FOURTH SEMESTER	Credits
SOC 101 Principles of Sociology	3
AV 114B Advanced Navigation and Flight Planning	3
AV 215B Crew Resource Management	3
AV 220B Air Transportation	3
MGT 201 Principles of Management	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-62</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Aviation Technology - Professional Pilot

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: AVTPP-AAS

## DESCRIPTION

The Aviation Technology program is designed specifically for students who have a desire to work in aviation-related careers. Thorough coverage of the Federal Aviation Regulations will apply to all aspects of study. The program provides the application of concepts pertaining to airport and aircraft operations for domestic and international flights. Students may select from either Professional Pilot or Flight Operations areas of study. The program will prepare students to enter the employment market as Professional Pilots, Flight Crew Members, OR, Flight Operations Specialist, Crew Scheduler, Flight Follower, Customer Service Representative, or Aircraft Servicing Personnel. Students must meet all eligibility requirements determined by the Federal Aviation Administration and the Transportation Security Administration.

## STUDENT LEARNING OUTCOMES

- Summarize the test standards and information required to pass the Federal Aviation Administration Private Pilot Knowledge exam for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Private Pilot Practical Certificate for land operation of a single engine airplane.
- Summarize the test standards and information required to pass the Federal Aviation Administration Instrument Rating knowledge exams for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Private Pilot Practical Instrument Rating for land operation of a single engine airplane.
- Summarize the test standards and information required to pass the Federal Aviation Administration Commercial Pilot Knowledge exam for land operation of single engine airplanes.
- Model the tasks required to earn the Federal Aviation Administration Commercial Pilot Practical Certificate for land operation of a single engine airplane.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

### MATHEMATICS (3 credits)

Required: MATH 116 Technical Mathematics

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

### COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

### HUMAN RELATIONS (3 credits)

Recommended: PSY 101 General Psychology

### NATURAL SCIENCE (4 credits)

Required: EGG 131 and EGG 131L

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

Recommended: SOC 101 Principles of Sociology

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

AV 100B	Aviation Orientation	3
AV 110B	Private Pilot Ground School	4
AV 111B	Private Pilot Certification Lab	3
AV 112B	Human Factors and Safety	3
AV 115B	Aviation Meteorology	3
AV 210B	Instrument Ground School	4
AV 212B	Instrument Certification Lab	3
AV 214B	Aerodynamics	3
AV 220B	Air Transportation	3
AV 240B	Advanced Aircraft Systems	3
AV 250B	Commercial Pilot Ground School	4
AV 251B	Commercial Pilot Certification Lab	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 50	3-5
AV 100B Aviation Orientation	3
AV 110B Private Pilot Ground School	4
AV 111B Private Pilot Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
SECOND SEMESTER	Credits
COM 101 Oral Communication	3
PSY 101 General Psychology	3
PSC 101 Introduction to American Politics	4
AV 115B Aviation Meteorology	3
AV 214B Aerodynamics	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
THIRD SEMESTER	Credits
EGG 131 and EGG 131L	4
AV 112B Human Factors and Safety	3
AV 210B Instrument Ground School	4
AV 212B Instrument Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
FOURTH SEMESTER	Credits
SOC 101 Principles of Sociology	3
AV 220B Air Transportation	3
AV 240B Advanced Aircraft Systems	3
AV 250B Commercial Pilot Ground School	4
AV 251B Commercial Pilot Certification Lab	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>62-64</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Aviation Technology**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 31**

**DEGREE CODE: AV-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program builds the theoretical knowledge and the practical skills necessary for an FAA Private Pilot Certificate for personal transportation. Students will be prepared for entry-level positions providing support in the commercial aviation industry.

**STUDENT LEARNING OUTCOMES**

- Model the practical test standards as determined by the Federal Aviation Administration.
- Incorporate Federal Aviation Regulations in aviation related careers.
- Explain airport operational safety standards.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)**

AV 100B	Aviation Orientation	3
AV 110B	Private Pilot Ground School	4
AV 111B	Private Pilot Certification Lab	3
AV 112B	Human Factors and Safety	3
AV 115B	Aviation Meteorology	3
AV 214B	Aerodynamics	3
AV 220B	Air Transportation	3
AV 240B	Advanced Aircraft Systems	3

Computation included in COM 101

Human Relations included in MATH 116

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
AV 100 Aviation Orientation	3
AV 110 Private Pilot Ground School	4
MATH 116 Technical Mathematics	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
AV 111 Private Pilot Certification Lab	3
AV 112 Human Factors and Safety	3
COM 101 Oral Communications	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
AV 115 Aviation Meteorology	3
AV 220 Air Transportation	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
AV 214 Aerodynamics	3
AV 240 Advanced Aircraft Systems	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>31</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Biological Science**

ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 60

DEGREE CODE: BIOL-AS

**DESCRIPTION**

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS degree.

**STUDENT LEARNING OUTCOMES**

- Summarize and explain biological diversity and similarity of organizational levels ranging from molecules to communities.
- Integrate knowledge of biology, biological methods and contextual issues, and be able to articulate these in verbal and written form.
- Incorporate knowledge of scientific methods and the relationships among theory, experiments and analyses and apply these to a problem or issue in biology.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (32 CREDITS)**

**MATHEMATICS (4 credits)**

Required: MATH 181 Calculus I

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses (complete with a grade of C- or better)

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**HUMANITIES (6 credits)**

COM 101; **and** one course from the following:  
 ANTH 105, 204, 206, 211, 216, 217; ENG 223 or above; HIST; World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; PSY 270

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (6 credits)**

Two of the following (both cannot be in the same discipline): ANTH 101, 104, 106, 112, 201, 202, 205, 207, 209, 212, 214, 215, 225; CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246, 249; PSC; PSY (except 270); RST; SOC

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

Completing ENG 223 as recommended for the "Literature" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

BIOL 196	Principles of Modern Biology I	4
BIOL 197	Principles of Modern Biology II	4
CHEM 121	General Chemistry I	4
CHEM 122	General Chemistry II	4
PHYS 151	General Physics I	4
PHYS 152	General Physics II	4

**ELECTIVES (choose 4-6 credits)**

BIOL 101 or higher (except 299)

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
Complete AA/AB/AS Fine Arts p. 50	3
COM 101 Oral Communication	3
Complete Social Sciences (see courses this page)	3
CHEM 121 General Chemistry I	4
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
MATH 181 Calculus I	4
CHEM 122 General Chemistry II	4
BIOL 196 Principles of Modern Biology I	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
ENG 223 Themes of Literature	3
PSC 101 Introduction to American Politics	4
PHYS 151 General Physics I	4
BIOL 197 Principles of Modern Biology II	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PHYS 152 General Physics II	4
Complete Humanities <sup>1</sup> (see courses this page)	3
Complete Social Sciences (see courses this page)	3
BIOL 211 or BIOL 251H <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-62</b>

<sup>1</sup>Under the "Humanities" heading select from the choices that follow the sentence fragment "COM 101 and..."

<sup>2</sup>BIOL 251H is highly recommended for students transferring to a university.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



Associate of Science Degree (AS)

REQUIRED CREDITS: 60

DEGREE CODE: AS

**DESCRIPTION**

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

**STUDENT LEARNING OUTCOMES**

Student Learning Outcomes depend upon the students Special Program Requirements and the outcomes will be done through the Science Department on an individual basis.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**

**MATHEMATICS (3-4 credits)**

(For Sciences) Required: MATH 181 Calculus I  
(For Health Sciences) MATH 120 or 124 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 231 or 232

**HUMANITIES (6 credits)**

COM 101; **and** one course from the following:  
ENG 223 or above; HIST; World Languages 111 or above; PHIL

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

(Nine credits must be from three different disciplines): ANTH; CRJ 104; ECON; PSC; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing ENG 231 or 232 as recommended for the "Literature" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**NATURAL SCIENCE CREDITS**

(Thirteen credits from the following, one must include a lab): AST; BIOL; CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS

13

**ELECTIVES (choose 13 credits)**

See a counselor to select courses

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



Associate of Science Degree (AS)

REQUIRED CREDITS: 60

DEGREE CODE: AS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics <sup>1</sup> (see courses previous page)	3-4
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
Complete Social Science (see courses previous page)	3
Complete Natural Science Credits <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-18</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
See a counselor to select courses <sup>2, 3</sup>	7
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Fine Arts p. 50	3
Complete Social Science (see courses previous page)	3
Complete Humanities <sup>4</sup> (see courses previous page)	3
Complete Natural Science Credits <sup>2</sup> (see courses previous page)	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 231 or 232	3
Complete Electives (see courses this page)	10
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

<sup>1</sup>Those completing this degree for Science take MATH 181. Those completing this degree for Health Sciences take MATH 120 or 124 or above.

<sup>2</sup>Take a non-lab natural science class.

<sup>3</sup>Take a natural science class with a lab.

<sup>4</sup>Under the “Humanities” heading select from the choices that follow the sentence fragment “COM 101 and...”



# Associate of Business Degree (AB)

REQUIRED CREDITS: 61

DEGREE CODE: AB

## DESCRIPTION

The Associate of Business (AB) degree provides the equivalent of the first two years of a Bachelor’s degree in business related subject areas. Students who pursue this degree are primarily interested in transferring to NSC, UNLV, UNR or another baccalaureate level institution. A secondary objective may be employment upon completion of the AB.

The Associate of Business program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

## STUDENT LEARNING OUTCOMES

- Integrate financial and managerial accounting principles in the utilization of data planning and control.
- Incorporate business principles with the theory and practice of business operations.
- Examine the planning, organization, leadership and control functions of management.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

### MATHEMATICS (3 credits)

MATH 124 or above

### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

### ANALYTICAL REASONING (3 credits)

Required: PHIL 102 Critical Thinking and Reasoning

### NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 50 for courses

### HUMANITIES (3 credits)

Required: COM 101 Oral Communication

### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. BUS 101 fulfills this requirement.

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

ACC 201	Financial Accounting	3
ACC 202	Managerial Accounting	3
BUS 101	Introduction to Business	3
COM 102	Introduction to Interpersonal Communication	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
ECON 261	Principles of Statistics I	3
IS 101	Introduction to Information Systems	3
MATH 132	Finite Mathematics	3
MGT 201	Principles of Management	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
ENG 100 or 101 or 113	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
ENG 102 or ENG 114	3
Complete US/Nevada Constitutions <sup>1</sup> (see courses this page)	4-6
BUS 101 Introduction to Business <sup>2</sup>	3
ECON 102 Principles of Microeconomics	3
MATH 132 Finite Mathematics	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

THIRD SEMESTER	Credits
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Natural Science (no lab - p. 50)	3
ACC 201 Financial Accounting	3
COM 102 Introduction to Interpersonal Communication	3
ECON 103 Principles of Macroeconomics	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

FOURTH SEMESTER	Credits
Complete AA/AB/AS Natural Science <sup>3</sup> (with lab - p. 50)	3-4
Complete AA/AB/AS Fine Arts p. 50	3
ACC 202 Managerial Accounting	3
ECON 261 Principles of Statistics I	3
MGT 201 Principles of Management	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

## DEGREE PLAN TOTAL CREDITS..... 61-66

<sup>1</sup>PSC 101 satisfies this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 in the second semester and HIST 102 or 217 in the third or fourth semester.

<sup>2</sup>Also fulfills the General Education Values and Diversity Requirement.

<sup>3</sup>Choose a course with a lab; only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Business Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: BUSMGT-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Business Management provides the individual with the understanding and knowledge necessary for managing people and functions. Managerial and motivational theories, global management, decision making and organizational designs are stressed.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, ([www.acbsp.org](http://www.acbsp.org)).

**STUDENT LEARNING OUTCOMES**

- Explain general business and management theories.
- Examine managerial and motivational management theories.
- Develop business and management skills for profit and nonprofit organizations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

BUS 109B; or MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages; MUS 101 or above; THTR 100 or above (except 105)

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)**

**CORE REQUIREMENTS (27 credits)**

ACC 201	Financial Accounting	3
BUS 101	Introduction to Business	3
BUS 108	Business Letters and Reports	3
BUS 273	Business Law I	3
IS 101	Introduction to Information Systems	3
MGT 103	Introduction to Small Business Management	3
MGT 201	Principles of Management	3
MGT 283	Introduction to Human Resources Management	3
MKT 210	Marketing Principles	3

**ELECTIVES (choose 12 credits)**

ACC 202	Managerial Accounting	3
BUS 102B	Entrepreneurship and Innovation	3
BUS 106B	Business English	3
BUS 107	Business Speech Communication	3
BUS 271	Introduction to Employment Law	3
BUS 272	Legal Environment	3
BUS 274	Business Law II	3
BUS 280B	Legal Aspects of International Business	3
BUS 290B	Internship in Business	3
MGT 100B	Practical Human Relations for Business	3
MGT 212	Leadership and Human Relations	3
MGT 235	Organizational Behavior	3
MGT 284B	Introduction to International Management	3
MGT 294B	Seminar in Management	3
MKT 127	Introduction to Retailing	3
MKT 132	Sales Management	3
MKT 211	Introduction to Professional Sales	3
MKT 261	Introduction to Public Relations	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Business Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: BUSMGT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 107 or 113	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
BUS 101 Introduction to Business	3
BUS 108 Business Letters and Reports	3
MGT 103 Introduction to Small Business Management	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Natural Science p. 51	3
BUS 273 Business Law I	3
MGT 201 Principles of Management	3
MKT 210 Marketing Principles	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
ACC 201 Financial Accounting	3
MGT 283 Introduction to Human Resources Management	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>61-65</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third or fourth semester.



**Business Management**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 30**

**DEGREE CODE: BUSMGT-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Business Management provides students with the understanding and knowledge necessary for managing people and functions. Decision making for both private and public sector agencies is stressed in the program. Students will learn basic principles of management and human relations skills through various interactive course techniques and formats.

**STUDENT LEARNING OUTCOMES**

- Explain general business and management theories.
- Examine managerial and motivational management theories.
- Develop business and management skills for profit and nonprofit organizations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

ACC 201	Financial Accounting	3
BUS 101	Introduction to Business	3
BUS 108	Business Letters and Reports	3
BUS 273	Business Law I	3
IS 101	Introduction to Information Systems	3
MGT 103	Introduction to Small Business Management	3
MGT 201	Principles of Management	3
MGT 283	Introduction to Human Resources Management	3
MKT 210	Marketing Principles	3

Computation included in ACC 201

Human Relations included in MGT 103

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3-5
BUS 101 Introduction to Business	3
BUS 108 Business Letters and Reports	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ACC 201 Financial Accounting	3
BUS 273 Business Law I	3
MGT 201 Principles of Management	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
MGT 103 Introduction to Small Business Management	3
MGT 283 Introduction to Human Resources Management	3
MKT 210 Marketing Principles	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**CADD Technology**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CADD-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program provides students with the skills to plan, prepare, interpret technical drafting documents, and create additive manufacturing prototype models. Students develop these skills through computer-aided design and drafting (CADD) workstations and 3D printers. Instruction also includes office standards, ethics, equipment maintenance, and production techniques.

**STUDENT LEARNING OUTCOMES**

- Perform tasks in operating a CADD workstation using industry standard software used in Southern Nevada.
- Create Two-Dimensional construction documents and Three-Dimensional solid models using the drafting tools within the CAD software that will apply to their discipline to a degree of 80%.
- Practice office standards, techniques and procedures in the workplace to a degree of 80%.
- Design projects to their specific discipline of study and create documents and/or solid models to a degree of 80%
- Demonstrate adequate knowledge of mathematics, communications skills, and other core degree requirements. Graduates will be ready to be employed as an entry-level CADD technician.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (27 credits)**

CADD 100	Introduction to Computer Aided Drafting	3
CADD 105	Intermediate Computer Aided Drafting	3
CADD 140	Technical Drafting I	3
CADD 141B	Technical Drafting II	3
CADD 245	Solid Modeling and Parametric Design	3
CADD 246B	Solid Modeling and Parametric Design II	3
CADD 250	CAD Systems Management	3
CADD 299B	CADD Capstone	3
MATH 104B	Applied Mathematics (or above) (except MATH 115B, 122, 123)	3
<b>Digital Literacy Requirement (0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in MATH 104B or above (except MATH 115B, 122, 123)

Human Relations included in CADD 250

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
COM 115 Applied Communication	3-5
CADD 100 Introduction to Computer Aided Drafting <sup>1</sup>	3
MATH 104B or above (except MATH 115B, 122, 123)	3
IS 100B or IS 101 <sup>2</sup>	0-3
<b>TOTAL CREDITS</b> .....	<b>9-14</b>

SECOND SEMESTER	Credits
CADD 105 Intermediate Computer Aided Drafting	3
CADD 140 Technical Drafting I <sup>3</sup>	3
CADD 245 Solid Modeling and Parametric Design <sup>3</sup>	3
CADD 250 CAD Systems Management <sup>3</sup>	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

THIRD SEMESTER	Credits
CADD 141B Technical Drafting II <sup>4</sup>	3
CADD 246B Solid Modeling and Parametric Design II <sup>4</sup>	3
CADD 299B CADD Capstone <sup>4</sup>	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

**DEGREE PLAN TOTAL CREDITS**..... **30-35**

<sup>1</sup>Course contains a prerequisite of IS 100B or 101 or Instructor approval. In order to take both IS 100B/101 and CADD 100 in the same semester, student should seek instructor approval.

<sup>2</sup>IS 100B is a certification test, if certification test isn't passed, student must take IS 101. The student can always bypass IS 100B and just take IS 101.

<sup>3</sup>This course is offered in the Spring only.

<sup>4</sup>This course is offered in the Fall only.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Cardiorespiratory Sciences**  
BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 121

**LIMITED ENTRY**  
DEGREE CODE: CRS-BAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Bachelor of Applied Science program allows associate degree students and registered respiratory therapists the opportunity to build upon their current knowledge, enhance their current professional role and advance to broader careers.

Must be admitted to CRS BAS limited entry program.

**STUDENT LEARNING OUTCOMES**

- Summarize respiratory leadership characteristics and assess managerial techniques.
- Evaluate theory and practice of educational modalities in clinical and non-clinical settings.
- Verify advanced practitioner skills through clinical performance in specialty area.
- Validate cultivation of skills in specialty area through presentation or research project.
- Critically evaluate research methodology, analyses, and literature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (47 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 124 College Algebra

**ENGLISH COMPOSITION (6-8 credits)**

Required: ENG 333 Professional Communications

Recommended: ENG 101 Composition I

**COMMUNICATIONS (6-8 credits)**

Required: COM 340 Cross-cultural Communication in Healthcare

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: PHIL 135 Introduction to Ethics

**NATURAL SCIENCE (16 credits)**

Required: BIOL 189 and 223 and 224 and 251

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

Required: PHIL 302 and 311

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (74 CREDITS)**

**CORE REQUIREMENTS (70 credits)**

CRS 111	Introductory Concepts of Cardiorespiratory Sciences	3
CRS 112	Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115	Clinical Practicum I	4
CRS 121	Advanced Concepts of Cardiorespiratory Sciences	3
CRS 122	Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123	Applied Cardiorespiratory Assessment	3
CRS 124	Cardiorespiratory Pharmacology	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

CRS 125	Clinical Practicum II	4
CRS 135	Clinical Practicum III	3
CRS 211	Neonatal and Pediatric Cardiorespiratory Care	3
CRS 212	Neonatal and Pediatric Cardiorespiratory Equipment	1
CRS 213	Cardiorespiratory Diagnostics	3
CRS 214	Cardiorespiratory Diagnostics Equipment	1
CRS 215	Clinical Practicum IV	4
CRS 221	Continuity of Cardiorespiratory Care	3
CRS 222	Seminar for Success	1
CRS 225	Clinical Practicum V	4
CRS 312	Cardiorespiratory Leadership Dynamics	3
CRS 313	Education and Mentoring in the Cardiorespiratory Setting	3
CRS 315	Clinical Practicum VI	4
CRS 322	Research and Evidence-Based Practice	3
CRS 412	Long-Term and Palliative Survey of Cardiorespiratory Care	3
CRS 421	Essentials of Sleep	3
CRS 422	Special Project in Cardiorespiratory Sciences	1
CRS 425	Clinical Practicum VII	4
HIT 117B	Medical Terminology I	1

**Choose one from the following (4 credits)**

EGG 131	Technical Physics I	3
EGG 131L	Technical Physics I Lab	1
PHYS 110	Conceptual Physics (or above)	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Cardiorespiratory Sciences**  
 BACHELOR OF APPLIED SCIENCE (BAS)

**LIMITED ENTRY**

REQUIRED CREDITS: 121

DEGREE CODE: CRS-BAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	4
COM 101 Oral Communication	3
ENG 101 Composition I	3
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
MATH 124 College Algebra	3
BIOL 223 Human Anatomy and Physiology I	4
BIOL 251 General Microbiology	4
EGG 131 and 131L; or PHYS 110 or above	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
BIOL 224 Human Anatomy and Physiology II	4
PSC 101 Introduction to American Politics	4
PSY 101 General Psychology	3
PHIL 135 Introduction to Ethics	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
CRS 111 Introductory Concepts of Cardiorespiratory Science	3
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115 Clinical Practicum I	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
CRS 121 Advanced Concepts of Cardiorespiratory Science	3
CRS 122 Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123 Applied Cardiorespiratory Assessment	3
CRS 124 Cardiorespiratory Pharmacology	3
CRS 125 Clinical Practicum II	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
CRS 135 Clinical Practicum III	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>SEVENTH SEMESTER</b>	<b>Credits</b>
CRS 211 Neonatal & Pediatric Cardiorespiratory Care	3
CRS 212 Neonatal & Pediatric Cardiorespiratory Equipment	1
CRS 213 Cardiorespiratory Diagnostics	3
CRS 214 Cardiorespiratory Diagnostics Equipment	1
CRS 215 Clinical Practicum IV	4
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>EIGHTH SEMESTER</b>	<b>Credits</b>
CRS 221 Continuity of Cardiorespiratory Care	3
CRS 222 Seminar for Success	1
CRS 225 Clinical Practicum V	4
<b>TOTAL CREDITS</b> .....	<b>8</b>

**BAS CRS Core Course Classes**

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 333 Professional Communications	3
PHIL 302 Intermediate Reasoning and Critical Thinking	3
CRS 312 Cardiorespiratory Leadership Dynamics	3
CRS 313 Education and Mentoring in the Cardiorespiratory Setting	3
CRS 315 Clinical Practicum VI	4
CRS 322 Research and Evidence-Based Practice	3
<b>TOTAL CREDITS</b> .....	<b>19</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 340 Cross-Cultural Communication in Health Care	3
PHIL 311 Professional Ethics	3
CRS 412 Long-Term and Palliative Survey of Cardiorespiratory Care	3
CRS 421 Essentials of Sleep	3
CRS 422 Special Project in Cardiorespiratory Sciences	1
CRS 425 Clinical Practicum VII	4
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>121</b>

<sup>1</sup> This course is a prerequisite for AAS CRS courses BIOL 223 and 224. While this course did not count toward completion of the AAS CRS, it does count toward completion of the BAS CRS.





**Cardiorespiratory Sciences**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 81

**LIMITED ENTRY**  
DEGREE CODE: CARD-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

Cardiorespiratory Sciences (CRS) is a multi-disciplined, multi-credentialed program preparing students in care, management, and life-support of individuals having deficiencies and abnormalities associated with the cardiopulmonary system. A successful graduate of this program will obtain credentials from a national laboratory credentialing agency, the American Heart Association, Cardiovascular Credentialing International, and the National Board for Respiratory Care.

The Cardiorespiratory Sciences Program provides a quality academic experience preparing Respiratory Care Practitioners and Cardiac Technicians. The graduate will possess the attitudes, skills, and knowledge required to think critically, communicate effectively, and provide self-direction while administering care.

The program emphasizes developing competencies that integrate protocols, Clinical Practice Guidelines, and critical pathways into an efficient cardiorespiratory care plan.

A limited entry program, students must attend a health programs orientation and meet with a health programs advisor for additional counseling prior to acceptance in the program. The Cardiorespiratory Sciences Program is accredited by The Commission on Accreditation for Respiratory Care (CoARC). The Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, TX 76021-4244, (817) 283-2835 [www.coarc.com](http://www.coarc.com).

**STUDENT LEARNING OUTCOMES**

- Acquire and evaluate clinical data.
- Assess the cardiopulmonary status of patients.
- Practice abilities required for performance of prescribed diagnostic studies such as: obtaining blood samples, blood gas analysis, pulmonary function testing, and polysomnography.
- Evaluate data to assess the appropriateness of prescribed respiratory care.
- Construct patient, family, and community education programs.
- Practice prescribed respiratory care treatments, managing life support activities, evaluating and monitoring patient responses to such therapy and modifying the prescribed therapy to achieve the desired therapeutic objectives.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 124 College Algebra

**ENGLISH COMPOSITION (3-5 credits)**

Recommended: ENG 101 Composition I

**COMMUNICATIONS (3 credits)**

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: PHIL 135 Introduction to Ethics

**NATURAL SCIENCE (12 credits)**

Required: BIOL 223 and 224 and 251

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (50 CREDITS)**

**CORE REQUIREMENTS (46 credits)**

CRS 111	Introductory Concepts of Cardiorespiratory Sciences	3
CRS 112	Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115	Clinical Practicum I	4
CRS 121	Advanced Concepts of Cardiorespiratory Sciences	3
CRS 122	Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123	Applied Cardiorespiratory Assessment	3
CRS 124	Cardiorespiratory Pharmacology	3
CRS 125	Clinical Practicum II	4
CRS 135	Clinical Practicum III	3
CRS 211	Neonatal and Pediatric Cardiorespiratory Care	3
CRS 212	Neonatal and Pediatric Cardiorespiratory Equipment	1
CRS 213	Cardiorespiratory Diagnostics	3
CRS 214	Cardiorespiratory Diagnostics Equipment	1
CRS 215	Clinical Practicum IV	4
CRS 221	Continuity of Cardiorespiratory Care	3
CRS 222	Seminar for Success	1
CRS 225	Clinical Practicum V	4
HIT 117B	Medical Terminology I	1

**Choose one group (4 credits)**

*Group 1:*

EGG 131	Technical Physics I	3
EGG 131L	Technical Physics I - Lab	1

*Group 2:*

PHYS 110	Conceptual Physics (or above)	4
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See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Cardiorespiratory Sciences**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 81

**LIMITED ENTRY**

DEGREE CODE: CARD-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**PLEASE NOTE – All CRS courses can only be taken once accepted to the CRS program and then must be taken in the order indicated.**

<b>FIRST SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	(4)
ENG 101 Composition I	3
COM 101 Oral Communication	3
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>7(11)</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
MATH 124 College Algebra	3
BIOL 223 Human Anatomy and Physiology I	4
BIOL 251 General Microbiology	4
EGG 131 and EGG 131L; or PHYS 110 or above	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
PHIL 135 Introduction to Ethics	3
BIOL 224 Human Anatomy and Physiology I	4
PSY 101 General Psychology	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CRS 111 Introductory Concepts of Cardiorespiratory Sciences	3
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115 Clinical Practicum I	4
<b>TOTAL CREDITS</b> .....	<b>8</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
CRS 121 Advanced Concepts of Cardiorespiratory Sciences	3
CRS 122 Advanced Concepts of Cardiorespiratory Equipment	1
CRS 123 Applied Cardiorespiratory Assessment	3
CRS 124 Cardiorespiratory Pharmacology	3
CRS 125 Clinical Practicum II	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
CRS 135 Clinical Practicum III	3
<b>TOTAL CREDITS</b> .....	<b>3</b>

<b>SEVENTH SEMESTER</b>	<b>Credits</b>
CRS 211 Neonatal & Pediatric Cardiorespiratory Care	3
CRS 212 Neonatal & Pediatric Cardiorespiratory Equipment	1
CRS 213 Cardiorespiratory Diagnostics	3
CRS 214 Cardiorespiratory Diagnostics Equipment	1
CRS 215 Clinical Practicum IV	4
<b>TOTAL CREDITS</b> .....	<b>12</b>

<b>EIGHTH SEMESTER</b>	<b>Credits</b>
CRS 221 Continuity of Cardiorespiratory Care	3
CRS 222 Seminar for Success	1
CRS 225 Clinical Practicum V	4
<b>TOTAL CREDITS</b> .....	<b>8</b>

**DEGREE PLAN TOTAL CREDITS**..... **81(85)**

<sup>1</sup>BIOL 189, although not included for the AAS degree, it is a prerequisite of BIOL 223 and BIOL 225 and must be completed prior to enrolling in those classes.

**NOTE:**

- Due to the high rigor of the CRS program, it is highly recommended that students complete as many general education requirements before applying to the program as possible.



## Casino Management

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: GAMMGT-AAS

### DESCRIPTION

This program is designed to provide students with the opportunity to begin a career in the casino and gaming industry. Students will obtain a strong basic background in casino games, marketing, gaming regulations, gaming law and supervision.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shore.intercom.net](mailto:aoc@shore.intercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net).

### STUDENT LEARNING OUTCOMES

- Interpret gaming industry laws and regulations.
- Assess the operation of a casino.
- Analyze Table Games operating procedures.
- Examine the operation of the slots department.
- Formulate casino marketing strategies.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)

MATH 104B or 124

#### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

#### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102

#### HUMAN RELATIONS (3 credits)

ALS 101 or HMS 130 or MGT 283

#### NATURAL SCIENCE (3 credits)

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above;  
EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above;  
PHYS 110 or above

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above;  
ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World  
Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or  
above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

### SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

#### CORE REQUIREMENTS (31 credits)

ACC 201	Financial Accounting	3
GAM 106	Casino Floor Supervision	3
GAM 108	Slots Management I	3
GAM 131	Race and Sports Book Management	3
GAM 204	Introduction to Casino Marketing	3
GAM 206	Casino Surveillance	3
GAM 210	Casino Customer Service	3
GAM 225	Introduction to Gaming Management	3
GAM 235	Gaming Laws and Regulations	3
GAM 295	Work Experience in Casino/Gaming	1
HMD 259	Human Resources Management in the Hospitality Industry	3

#### ELECTIVES (choose 9 credits)

GAM 103	Casino Cage Operations	3
GAM 109	Slots Management II	3
GAM 119	Blackjack Dealing	3
GAM 121	Craps Dealing	3
GAM 122	Roulette Dealing	3
GAM 123	Baccarat Dealing	3
GAM 124	Poker Dealing	3
GAM 126	Pai Gow Tiles Dealing	3
GAM 207	Table Games Management	3
GAM 208	Casino Business Strategy	3
GAM 222	European Roulette Dealing	3
TCA 221	Hospitality Accounting I	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Casino Management

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: GAMMGT-AAS

### FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
Complete Human Relations (see courses previous page)	3
GAM 108 Slots Management I	3
GAM 225 Introduction to Gaming Management	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
GAM 106 Casino Floor Supervision	3
GAM 204 Introduction to Casino Marketing	3
HMD 259 Human Resources Management in the Hospitality Industry	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
ACC 201 Financial Accounting	3
GAM 131 Race and Sports Book Management	3
GAM 210 Casino Customer Service	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
GAM 206 Casino Surveillance	3
GAM 235 Gaming Laws and Regulations	3
GAM 295 Work Experience in Casino/Gaming	1
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>62-66</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, take HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.



## Casino Management

### CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: GAMMGT-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

Successful completion of this certificate program will provide students with an opportunity to seek employment in entry-level casino and gaming positions. For those currently employed in the industry, this certificate enhances opportunity for job advancement, professional growth and career mobility. Students will obtain a basic knowledge of casino games, as well as casino management, casino marketing, gaming regulations, gaming law and human relations in the casino industry.

**STUDENT LEARNING OUTCOMES**

- Interpret gaming industry laws and regulations.
- Assess the operation of a casino.
- Analyze Table Games operating procedures.
- Examine the operation of the slots department.
- Formulate casino marketing strategies.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205;  
JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)****CORE REQUIREMENTS (27 credits)**

ACC 201	Financial Accounting	3
GAM 106	Casino Floor Supervision	3
GAM 108	Slots Management I	3
GAM 204	Introduction to Casino Marketing	3
GAM 206	Casino Surveillance	3
GAM 210	Casino Customer Service	3
GAM 225	Introduction to Gaming Management	3
GAM 235	Gaming Laws and Regulations	3
HMD 259	Human Resources Management in the Hospitality Industry	3

**ELECTIVES (choose 3 credits)**

GAM 103	Casino Cage Operations	3
GAM 109	Slots Management II	3
GAM 119	Blackjack Dealing	3
GAM 121	Craps Dealing	3
GAM 122	Roulette Dealing	3
GAM 123	Baccarat Dealing	3
GAM 124	Poker Dealing	3
GAM 126	Pai Gow Tiles Dealing	3
GAM 131	Race and Sports Book Management	3
GAM 207	Table Games Management	3
GAM 208	Casino Business Strategy	3
GAM 222	European Roulette Dealing	3

Computation included in ACC 201

Human Relations included in HMD 259

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
Complete Communications (see courses this page)	3-5
GAM 106 Casino Floor Supervision	3
GAM 108 Slots Management I	3
GAM 204 Introduction to Casino Marketing	3
GAM 225 Introduction to Gaming Management	3
GAM 235 Gaming Laws and Regulations	3
<b>TOTAL CREDITS</b> .....	<b>18-20</b>

**SECOND SEMESTER**

	Credits
Complete Electives (see courses this page)	3
ACC 201 Financial Accounting	3
GAM 210 Casino Customer Service	3
GAM 206 Casino Surveillance	3
HMD 259 Human Resources Management in the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **33-35**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Communication**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: COM-AA

**DESCRIPTION**

The Associate of Arts in Communication is a general transfer program for students who plan to transfer to a baccalaureate-level institution. This program offers students a solid foundation in communication theory and extensive practice in application of communication skills. Our courses cover public speaking, interpersonal communication, group communication, intercultural communication, film criticism, survey of rhetorical studies, survey of communication studies, argumentation and debate, and a variety of special topics within the discipline.

**STUDENT LEARNING OUTCOMES**

- Differentiate effective and appropriate communication choices as sender, receiver, and observer.
- Describe the human communication process in a variety of contexts: interpersonal, public, group and mass.
- Analyze, and evaluate major theories of communication as they invent, research, organize, and deliver structured speeches, papers, or projects.
- Operate equipment and technologies common to communication practices.
- Apply critical analysis and logical thinking toward making informed, reasoned and equitable decisions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

Recommended: ECON 100 and PSY 101 and SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. COM 133 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**CORE REQUIREMENTS (12 credits)**

COM 101	Oral Communication	3
COM 102	Introduction to Interpersonal Communication	3
COM 133	Culture and Communication	3
COM 216	Survey of Communication Studies	3

**ELECTIVES (choose 14 COM credits)**

See a counselor to select courses

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

**FIRST SEMESTER**

	Credits
ENG 100 or 101 or 113	3-5
MATH 120 Fundamentals of College Mathematics	3
Complete Social Science (see courses this page)	6
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	Credits
ENG 102 or 114	3
See AA/AB/AS Natural Science (no lab) p. 50	3
Complete Social Science (see courses this page)	3
PSC 101 Introduction to American Politics	4
PHIL 102 Reasoning and Critical Thinking	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

**THIRD SEMESTER**

	Credits
COM 102 Introduction to Interpersonal Communication	3
COM 133 Culture and Communication	3
Complete Electives (see courses this page)	9
<b>TOTAL CREDITS</b> .....	<b>15</b>

**FOURTH SEMESTER**

	Credits
ENG 223 Themes of Literature	3
See AA/AB/AS Natural Science <sup>1</sup> (with lab) p. 50	3-4
COM 216 Survey of Communication Studies	3
Complete Electives (see courses this page)	5-6
<b>TOTAL CREDITS</b> .....	<b>14-16</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computer Office Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: COT-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Computer Office Technology provides individuals with the knowledge and skills necessary for office professionals. Courses include instruction in the latest computer office technology skills using a keyboard, voice recognition, or handwriting recognition; software including word processing, spreadsheets, databases, and presentations; general and advanced office skills; and communication skills.

**STUDENT LEARNING OUTCOMES**

- Create text by using one of the following methods of input—computer keyboard; voice recognition software; or handwriting recognition software.
- Create office documents using a variety of the functions of Office software.
- Review and verify information using critical thinking skills.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101, 102, 215; ENG 102, 114, 205; JOUR 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (3 credits)**

AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above; ART 101 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (28 credits)**

ACC 135B	Bookkeeping I	3
BUS 106B	Business English	3
BUS 108	Business Letters and Reports	3
COT 102	Computer Keyboarding II	3
COT 127B	Microsoft Office for Offices	3
COT 129B	Records Management	3
COT 200	Word Processing I	3
COT 201B	Word Processing II	3
COT 213B	Business Professionalism	1
MGT 201	Principles of Management	3

**ELECTIVES (choose 10 credits)**

BUS 101	Introduction to Business	3
COT 103B	Keyboard Review and Speed	1-3
COT 108	Speedwriting Shorthand I	3
COT 109B	Speedwriting Shorthand II	3
COT 132B	Outlook for Offices	1
COT 205B	Pads & Tabs – Office on the Go	3
COT 208B	Tablet Computer, Voice and Handwriting	1
COT 209B	Tablet Computer, Voice and Handwriting II	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Computer Office Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: COT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
Complete Communications (see courses previous page)	3
COT 102 Computer Keyboarding II	3
COT 127B Microsoft Office for Offices	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
ACC 135B Bookkeeping I	3
BUS 106B Business English	3
COT 129B Records Management	3
COT 200 Word Processing I	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
BUS 108 Business Letters and Reports	3
COT 201B Word Processing II	3
MGT 201 Principles of Management	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
See AAS US/NV Constitutions <sup>1</sup> p. 51	4-6
COT 213B Business Professionalism	1
Complete Electives (see courses previous page)	7
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-64</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third or fourth semester.



**Computer Office Technology**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 30**

**DEGREE CODE: COT-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Computer Office Technology provides individuals with the knowledge and skills necessary for office professionals. Courses include instruction in the latest computer office technology skills using a keyboard, voice recognition, or handwriting recognition; software including word processing, spreadsheets, databases, and presentations; general and advanced office skills; and communication skills.

**STUDENT LEARNING OUTCOMES**

- Create text by using one of the following methods of input—a computer keyboard; voice recognition software; or handwriting recognition software.
- Create documents using a variety of the functions of Office software.
- Review and verify information using critical thinking skills.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

ACC 135B	Bookkeeping I	3
BUS 106B	Business English	3
COT 102	Computer Keyboarding II	3
COT 127B	Microsoft Office for Offices	3
COT 129B	Records Management	3
COT 200	Word Processing I	3
COT 201B	Word Processing II	3
MGT 201	Principles of Management	3

**ELECTIVES (choose 3 credits)**

COT 103B	Keyboard Review and Speed	1
COT 108	Speedwriting Shorthand I	3
COT 132B	Outlook for Offices	1
COT 205B	Pads & Tabs – Office on the Go	3
COT 208B	Tablet Computer, Voice and Handwriting	1
COT 209B	Tablet Computer, Voice and Handwriting II	3

Computation included in ACC 135B  
 Human Relations included in MGT 201

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101	3-5
COT 102 Computer Keyboarding II	3
COT 127B Microsoft Office for Offices	3
COT 129B Records management	3
COT 200 Word Processing	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ACC 135B Bookkeeping I	3
BUS 106B Business English <sup>1</sup>	3
COT 201B Word Processing II	3
MGT 201 Principles of Management	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **30-32**

<sup>1</sup>ENG 100 or ENG 101 required for BUS 106B.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



Computing and Information Technology - Cyber Security - Digital Forensics

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITCSDFAAAS

**DESCRIPTION**

The Associate of Applied Science in Computing and Information Technology - Cyber Security - Digital Forensics is a program of study that provides students with the skills necessary to investigate computer crime. It includes instruction in PC troubleshooting and repair Microsoft operating systems and Cisco networking as well as specialized training in computer forensics, network forensic, and digital crime investigators.

**STUDENT LEARNING OUTCOMES**

- Evaluate computer hardware and software.
- Develop organization security policies.
- Explain how to use networking tools and devices to detect and mitigate security attacks.
- Manage the security of a network system.
- Manage a networking project.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communications

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

**CORE REQUIREMENTS (27 credits)**

CF 117B	Computer Forensics	3
CF 118B	Internet Forensics	3
CF 119B	Introduction to Electronic Crime for Law Enforcement	3
CF 124B	Digital Crime Investigation	3
CF 217B	Advanced Computer Forensics	3
CIT 110	A+ Hardware	3
CIT 112B	Network+	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 7-10 credits)**

CF 250B	Mobile Device Forensics	3
CIT 118B	Network Security Management	3
CIT 173	Introduction to Linux	3
CIT 174	Linux System Administration	3
CIT 213	MCITP/MCTS Network Infrastructure	3
CIT 217	Security+	3
CIT 290	Internship in CIT I	1-3
CIT 291	Internship in CIT II	1-3
CRJ 104	Introduction to Administration of Justice	3
CRJ 164	Introduction to Criminal Investigation	3
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	4
CSCO 221	CCNA WAN Fundamentals	4
CSCO 230B	Fundamentals of Network Security	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Computing and Information Technology - Cyber Security - Digital Forensics**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITCSDFEAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
Complete Human Relations (see courses previous page)	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>12-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and EGG 131L	4
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete US/Nevada Constitutions <sup>1</sup> (see courses previous page)	4-6
CIT 110 A+ Hardware	3
CIT 112B Network+	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
CF 117B Computer Forensics	3
CF 118B Internet Forensics	3
CIT 211 MCITP/MCTS Windows Workstations OS	3
Complete Electives <sup>2</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CF 119B Introduction to Electronic Crime for Law Enforcement	3
CF 124B Digital Crime Investigation	3
CF 217B Advanced Computer Forensics	3
CIT 212 MCITP/MCTS Windows Server OS	3
Complete Electives <sup>2</sup> (see courses previous page)	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If student is completing IS 100B and chooses the HIST option, complete HIST 101 in the first semester and take HIST 102 or 217 in the second semester.

<sup>2</sup>Option #1 – If student completes IS100B, then the student must complete 10 Elective credits. Option #2 – If student completes IS101, then the student must complete 7 Elective credits. Please note: This degree plan is set up following Option #1.



Computing and Information Technology - Cyber Security - Digital Forensics

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CITCSDF-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

Upon successful completion of this certificate program, students will have the skills necessary to investigate computer crime. It includes instruction in PC troubleshooting and repair, Microsoft operating systems and Cisco networking as well as specialized training in computer forensics, and digital crime investigation.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the process of acquiring and handling digital evidence including: the details of computer hard drive configuration and methods of hiding data; encryption methods and implementation methods for deciphering encrypted data; analysis of network traffic and the ability to differentiate between normal and malicious activity; the use of hardware and software tools used in computer and network forensics.
- Demonstrate how to set up investigator’s office and laboratory.
- Demonstrate how digital evidence is used in courtroom as well as the requirements for becoming an expert witness.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (25 credits)**

CF 117B	Computer Forensics	3
CF 118B	Internet Forensics	3
CF 124B	Digital Crime Investigation	3
CF 217B	Advanced Computer Forensics	3
CIT 110	A+ Hardware	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3
CSCO 120	CCNA Internetworking Fundamentals	4

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 0-2 credits)**

CF 119B	Introduction to Electronic Crime for Law Enforcement	3
CIT 118B	Network Security Management	3
CIT 173	Introduction to Linux	3
CIT 174	Linux System Administration	3
CIT 213	MCITP/MCTS Network Infrastructure	3
CIT 217	Security+	3
CIT 290	Internship in CIT I	1-3
CIT 291	Internship in CIT II	1-3
CRJ 104	Introduction to Administration of Justice	3
CRJ 164	Introduction to Criminal Investigation	3
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA LAN Switching and Wireless Fundamentals	4
CSCO 221	CCNA WAN Fundamentals	4
CSCO 230B	Fundamentals of Network Security	4

Computation included in CF 118B  
Human Relations included in CF 124B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
CF 117B Computer Forensics	3
CIT 110 A+ Hardware	3
CIT 211 MCITP/MCTS Windows Workstations OS	3
CSCO 120 CCNA Internetworking Fundamentals <sup>1</sup>	4
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

SECOND SEMESTER	Credits
CF 118B Internet Forensics <sup>1</sup>	3
CF 124B Digital Crime Investigation	3
CF 217B Advanced Computer Forensics	3
CIT 212 MCITP/MCTS Windows Server OS	3
Complete Electives <sup>2</sup> (see courses this page)	2
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS..... 30-33**

<sup>1</sup>Prerequisite CIT 112B.

<sup>2</sup>Option #1 – If student completes IS100B, then the student must complete 2 Elective credits. Option #2 – If student completes IS101, then the student must complete 0 Elective credits and will end up completing 31 credits for the degree instead of 30. Please Note - This degree plan is set up following Option #1.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Cyber Security - Network Security**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITCSNSAAS

**DESCRIPTION**

This degree provides students with the necessary education and skills required by today’s Network Security specialists. Instruction includes courses on server/client centric security issues as well as router/switch centric security issues. It provides students with a wide array of training in various functional areas related to network security. Completion of this course of study prepares students for successful completion of a number of industry certification exams; such as CompTia Security+, Cisco CCNA: Security, and others.

**STUDENT LEARNING OUTCOMES**

- Evaluate computer hardware and software.
- Develop organization security policies.
- Explain how to use networking tools and devices to detect and mitigate security attacks.
- Manage the security of a network system.
- Manage a networking project.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (3 credits)**

Required: EGG 131 Technical Physics I

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

**CORE REQUIREMENTS (38 credits)**

CF 118B	Internet Forensics	3
CIT 112B	Network+	3
CIT 173	Introduction to Linux	3
CIT 174	Linux System Administration	3
CIT 217	Security+	3
CIT 263B	Project Management	3
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	4
CSCO 221	CCNA WAN Fundamentals	4
CSCO 230B	Fundamentals of Network Security	4

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Cyber Security - Network Security**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITCSNSAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
CIT 173 Introduction to Linux	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>12-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
EGG 131 Technical Physics I	3
Complete US/Nevada Constitutions <sup>1</sup> (see courses previous page)	4-6
CIT 112B Network+	3
CIT 174 Linux System Administration	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
CF 118B Internet Forensics	3
CIT 217 Security+	3
CSCO 120 CCNA Internetworking Fundamentals	4
CSCO 121 CCNA Routing and Switching Essentials <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CIT 263B Project Management	3
CSCO 220 CCNA Scaling Networks	4
CSCO 221 CCNA Wan Fundamentals <sup>3</sup>	4
CSCO 230B Fundamentals of Network Security	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If student is completing IS 100B and chooses the HIST option, complete HIST 101 in the first semester and take HIST 102 or 217 in the second semester.

<sup>2</sup>Prerequisite CSCO 120. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.

<sup>3</sup>Prerequisite CSCO 220. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.



# Computing and Information Technology - Information Management - Network Infrastructure Analyst

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CITIMNIACT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program teaches advanced technical skills for students and working professionals that have completed an Associate of Applied Science degree in Computer and Information Technology. Concentration areas allow students to expand their skill in the specialty area of their choice. This certificate is also accepted as the third year of study at other institutions that articulate a joint Bachelors of Applied Science degree with the College of Southern Nevada.

**STUDENT LEARNING OUTCOMES**

- Develop system design specifications based on prescribed criteria.
- Code systems within the scope of concentration area.
- Debug systems within the scope of concentration area.
- Recommend hardware and/or software within scope of concentration area.
- Formulate advanced project management timetables and costs.
- Incorporate scalability and redundancy into system designs.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 124 or above

**ENGLISH (3-5 credits)**

ENG 100 or 101 or 102 or 113 or 114

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)**

CIT 319	Managing Business Data Networks	3
CIT 363	Advanced Project and Earned Value Management	3
CSCO 480	CCNP Route	4
CSCO 482	CCNP SWITCH	4
CSCO 484	CCNP TSHOOT	4
ET 301	Customer Service Management	3

Computation included in MATH 124 or above

Human Relations included in ET 301

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete English (see courses this page)	3-5
ET 301 Customer Service Management	3
CSCO 480 CCNP ROUTE	4
CSCO 482 CCNP SWITCH	4
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

**SECOND SEMESTER**

	<b>Credits</b>
COM 101 Oral Communication	3
CIT 319 Managing Business Data Networks	3
CIT 363 Advanced Project and Earned Value Management	3
CIT 484 CCNP TSHOOT	4
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





Computing and Information Technology – Information Management - Software Analyst

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CITMSA-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program teaches advanced technical skills for students and working professionals that have completed an Associate of Applied Science degree in Computer and Information Technology. Concentration areas allow students to expand their skill in the specialty area of their choice. This certificate is also accepted as the third year of study at other institutions that articulate a joint Bachelors of Applied Science degree with the College of Southern Nevada.

**STUDENT LEARNING OUTCOMES**

- Develop system design specifications based on prescribed criteria.
- Code systems within the scope of concentration area.
- Debug systems within the scope of concentration area.
- Recommend hardware and/or software within scope of concentration area.
- Formulate advanced project management timetables and costs.
- Incorporate scalability and redundancy into system designs.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 124 or above

**ENGLISH (3-5 credits)**

ENG 100 or 101 or 102 or 113 or 114

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)**

CIT 319	Managing Business Data Networks	3
CIT 363	Advanced Project and Earned Value Management	3
CIT 454	E-Commerce	4
CIT 470	Information Systems Auditing	4
ET 301	Customer Service Management	3
IS 389	Advanced Business Systems Development	4

Computation included in MATH 124 or above

Human Relations included in ET 301

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete English (see courses this page)	3-5
ET 301 Customer Service Management	3
IS 389 Advanced Business Systems Development	4
CIT 330 Designing Virtualized Systems	4
<b>TOTAL CREDITS</b> .....	<b>17-19</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
CIT 319 Managing Business Data Networks	3
CIT 363 Advanced Project and Earned Value Management	3
CIT 454 E-Commerce	4
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology – Information Management -  
Virtual Computing Analyst**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CITIMVCACT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program teaches advanced technical skills for students and working professionals that have completed an Associate of Applied Science degree in Computer and Information Technology. Concentration areas allow students to expand their skill in the specialty area of their choice. This certificate is also accepted as the third year of study at other institutions that articulate a joint Bachelors of Applied Science degree with the College of Southern Nevada.

**STUDENT LEARNING OUTCOMES**

- Develop system design specifications based on prescribed criteria.
- Code systems within the scope of concentration area.
- Debug systems within the scope of concentration area.
- Recommend hardware and/or software within scope of concentration area.
- Formulate advanced project management timetables and costs.
- Incorporate scalability and redundancy into system designs.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 124 or above

**ENGLISH (3-5 credits)**

ENG 100 or 101 or 102 or 113 or 114

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)**

CIT 319	Managing Business Data Networks	3
CIT 330	Designing Virtualized Systems	4
CIT 363	Advanced Project and Earned Value Management	3
CIT 430	Optimizing Virtualized Systems	4
CIT 431	Open Source Virtualized Systems	4
ET 301	Customer Service Management	3

Computation included in MATH 124 or above

Human Relations included in ET 301

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete English (see courses this page)	3-5
ET 301 Customer Service Management	3
CIT 330 Designing Virtualized Systems	4
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

**SECOND SEMESTER**

	<b>Credits</b>
COM 101 Oral Communication	3
CIT 319 Managing Business Data Networks	3
CIT 363 Advanced Project and Earned Value Management	3
CIT 430 Optimizing Virtualized Systems	4
CIT 431 Open Source Virtualized Systems	4
<b>TOTAL CREDITS</b> .....	<b>17</b>

**DEGREE PLAN TOTAL CREDITS**..... **30-32**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



Computing and Information Technology - Networking - Client/Server

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: CITNCS-AAS

**DESCRIPTION**

This program course of study provides students with education and skills required by today’s computer networking industry. Instruction includes courses on client/server centric LAN networking. It provides students with a wide array of training in various areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams such as: CompTIA A+, Network+, and Microsoft MCITP. Instruction takes place in a hands-on state-of-the-art lab environment.

**STUDENT LEARNING OUTCOMES**

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity, and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Optimize operating system configuration in Microsoft server environment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)**

**CORE REQUIREMENTS (37 credits)**

CIT 112B	Network+	3
CIT 114B	IT Essentials	4
CIT 173	Introduction to Linux	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3
CIT 213	MCITP/MCTS Network Infrastructure	3
CIT 217	Security+	3
CIT 222B	Information Storage Management	3
CIT 263B	Project Management	3
CIT 274B	Ethical Hacking	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
IS 115	Introduction to Programming	3

**Choose one from the following (3 credits)**

CIT 214	MCITP Application Infrastructure	3
CIT 215	MCITP Active Directory	3
CIT 218	Microsoft Special Topics	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Networking - Client/Server**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: CITNCS-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
CIT 114B IT Essentials	4
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
CIT 173 Introduction to Linux	3
CIT 212 MCITP/MCTS Windows Server OS	3
CIT 217 Security+	3
CIT 274B Ethical Hacking	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CIT 213 MCITP/MCTS Network Infrastructure	3
CIT 222B Information Storage Management	3
CIT 263B Project Management	3
CIT 214 or 215 or 218	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **63-66**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If choosing the HIST option, complete HIST 101 or 111 in the second semester and complete HIST 102 or 217 in the third or fourth semester.



Computing and Information Technology - Networking - Linux

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: CITNETLAAS

**DESCRIPTION**

This program course of study provides students with education and skills required by today’s computer networking industry. Instruction includes courses on the operation and administration of high-end Web server environments. It provides students with a wide array of training in various areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams such as: CompTIA A+, Network+, Linux+, and Microsoft MCITP. Instruction takes place in a hands-on state-of-the-art lab environment.

**STUDENT LEARNING OUTCOMES**

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity, and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Optimize operating system configuration in a Linux server environment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)**

**CORE REQUIREMENTS (40 credits)**

CIT 112B	Network+	3
CIT 114B	IT Essentials	4
CIT 173	Introduction to Linux	3
CIT 174	Linux System Administration	3
CIT 176	Linux Shell Programming	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 212	MCITP/MCTS Windows Server OS	3
CIT 217	Security+	3
CIT 222B	Information Storage Management	3
CIT 263B	Project Management	3
CIT 274B	Ethical Hacking	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
IS 115	Introduction to Programming	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Computing and Information Technology - Networking - Linux**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: CITNETLAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
CIT 114B IT Essentials	4
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 173 Introduction to Linux	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
CIT 174 Linux System Administration	3
CIT 212 MCITP/MCTS Windows Server OS	3
CIT 222B Information Storage Management	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CIT 176 Linux Shell Programming	3
CIT 217 Security+	3
CIT 263B Project Management	3
CIT 274B Ethical Hacking	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **63-66**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If choosing the HIST option, complete HIST 101 or 111 in the second semester and complete HIST 102 or 217 in the third or fourth semester.



## Computing and Information Technology - Networking - Router/Switch

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 64

DEGREE CODE: CITNRS-AAS

**DESCRIPTION**

This program course of study provides students with education and skills required by today's computer networking industry. Instruction includes courses on router/switch centric internetworking. It provides students with a wide array of training in various areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams such as: CompTIA A+, Network+, Cisco CCENT, and CCNA. Instruction takes place in a hands-on state-of-the-art lab environment.

**STUDENT LEARNING OUTCOMES**

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Optimize operating system configurations in network intermediary devices.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)****CORE REQUIREMENTS (41 credits)**

CIT 112B	Network+	3
CIT 114B	IT Essentials	4
CIT 173	Introduction to Linux	3
CIT 211	MCITP/MCTS Windows Workstation OS	3
CIT 217	Security+	3
CIT 263B	Project Management	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing and Switching Essentials	4
CSCO 220	CCNA Scaling Networks	4
CSCO 221	CCNA WAN Fundamentals	4
IS 115	Introduction to Programming	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



Computing and Information Technology - Networking - Router/Switch

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 64

DEGREE CODE: CITNRS-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ENG 107 Technical Communications I	3
COM 115 Applied Communication	3
CIT 114B IT Essentials	4
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 173 Introduction to Linux	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
CSCO 120 CCNA Internetworking Fundamentals	4
CSCO 121 CCNA Routing and Switching Essentials <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CIT 217 Security+	3
CIT 263B Project Management	3
CSCO 220 CCNA Scaling Networks	4
CSCO 221 CCNA WAN Fundamentals <sup>3</sup>	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS**..... **64-69**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If choosing the HIST option, complete HIST 101 or 111 in the second semester and complete HIST 102 or 217 in the third or fourth semester.

<sup>2</sup>Prerequisite CSCO 120. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.

<sup>3</sup>Prerequisite of CSCO 220. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.



**Computing and Information Technology - Software - Database**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSDT-AAS

**DESCRIPTION**

This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets.

**STUDENT LEARNING OUTCOMES**

- Create database systems typically used in information management.
- Compile best practices for implementing secure software development.
- Summarize workplace effectiveness in the context of business awareness.
- Model positive work ethics and interpersonal skills during team projects.
- Code functioning applications within their concentration.
- Debug non-functioning applications within their concentration.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or 127 or above

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 101 or 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Recommended: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)****CORE REQUIREMENTS (33 credits)**

CIT 112B	Network+	3
CIT 130	Beginning Java	3
CIT 151	Beginning Web Development	3
CIT 160	Introduction to Computer Security	3
CIT 180	Database Concepts and SQL	3
CIT 181	Introduction to Oracle	3
CIT 183	Database Administration	3
CIT 184	Oracle PL/SQL Programming I	3
CIT 203B	Access Certification Preparation	3
CIT 263B	Project Management	3
IS 115	Introduction to Programming	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 4-6 credits)**

ACC 201; CF; CIT; CS; CSCO; GIS; GRC 103

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Software - Database**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSDT-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
COM 101 or 102	3
Complete Human Relations (see courses previous page)	3
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-20</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
CIT 160 Introduction to Computer Security	3
CIT 180 Database Concepts and SQL <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS Fine Arts/Humanities/Social Sciences p. 51	3
CIT 151 Beginning Web Development	3
CIT 181 Introduction to Oracle	3
Complete Electives <sup>3</sup> (see courses previous page)	4-6
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CIT 183 Database Administration <sup>2</sup>	3
CIT 184 Oracle PL/SQL Programming I	3
CIT 203B Access Certification Preparation	3
CIT 263B Project Management	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-69**

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the fourth semester.

<sup>2</sup>CIT 180 and CIT 183 may be repeated with different content; these may be used as program electives.

<sup>3</sup>Preferred program electives for this degree include any CIT level programming language or any CIT 200 level programming language classes not already taken for this degree, or from CIT 152, CIT 251, and CIT 252.





## Computing and Information Technology - Software – Programming

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSP-AAS

**DESCRIPTION**

This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets.

**STUDENT LEARNING OUTCOMES**

- Create database systems typically used in information management.
- Compile best practices for implementing secure software development.
- Summarize workplace effectiveness in the context of business awareness.
- Model positive work ethics and interpersonal skills during team projects.
- Code functioning applications within their concentration.
- Debug non-functioning applications within their concentration.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or 127 or above

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 101 or 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Recommended: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)****CORE REQUIREMENTS (21 credits)**

CIT 112B	Network+	3
CIT 130	Beginning Java	3
CIT 151	Beginning Web Development	3
CIT 160	Introduction to Computer Security	3
CIT 180	Database Concepts and SQL	3
CIT 263B	Project Management	3
IS 115	Introduction to Programming	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**Electives #1 (choose 4-6 credits)**

ACC 201; CF; CIT; CS; CSCO; GIS; GRC 103

**Electives #2 (choose 12 credits)***(At least 6 credits must be 200 level)*

CIT 131	Beginning C Programming	3
CIT 132	Beginning Visual Basic	3
CIT 133	Beginning C++*	3
CIT 134B	Beginning C# Programming	3
CIT 230	Advanced Java	3
CIT 231	Advanced C Programming	3
CIT 232	Advanced Visual Basic	3
CIT 233	Advanced C++**	3
CIT 238B	Introduction to Smartphone Application Development	3
CS 135	Computer Science I*	3
CS 202	Computer Science II**	3

\* Cannot use both CIT 133 and CS 135 toward the completion of the concentration.

\*\* Cannot use both CIT 233 and CS 202 toward the completion of the concentration.

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Software – Programming**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSP-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
COM 101 or 102	3
Complete Human Relations (see courses previous page)	3
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-20</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
Complete Electives #2	3
(CIT 100 level programming language except CIT 130) <sup>2</sup>	
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
CIT 151 Beginning Web Development	3
CIT 160 Introduction to Computer Security	3
CIT 180 Database Concepts and SQL	3
Complete Electives #2 (CIT 100 level programming language <sup>2</sup> )	3
Complete Electives #2 (CIT 200 level programming language <sup>2</sup> )	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Sciences p. 51	3
CIT 263B Project Management	3
Complete Electives #1 <sup>3</sup>	4-6
Complete Electives #2 (CIT 200 level programming language <sup>2</sup> )	3
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-69**

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the fourth semester.

<sup>2</sup>At least 6 credits must be 200 level.

<sup>3</sup>Preferred program electives for this degree include any CIT 100 level programming language or any CIT 200 level programming language classes not already taken for this degree, or from CIT 152, CIT 184, and CIT 257.



Computing and Information Technology - Software - Web Development

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSWD-AAS

**DESCRIPTION**

This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets.

**STUDENT LEARNING OUTCOMES**

- Create database systems typically used in information management.
- Compile best practices for implementing secure software development.
- Summarize workplace effectiveness in the context of business awareness.
- Model positive work ethics and interpersonal skills during team projects.
- Code functioning applications within their concentration.
- Debug non-functioning applications within their concentration.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 120 or 124 or 127 or above

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 101 or 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Recommended: EGG 131 and 131L

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

**CORE REQUIREMENTS (33 credits)**

CIT 112B	Network+	3
CIT 130	Beginning Java	3
CIT 151	Beginning Web Development	3
CIT 152	Web Script Language Programming	3
CIT 154B	Dynamic Web Applications	3
CIT 160	Introduction to Computer Security	3
CIT 180	Database Concepts and SQL	3
CIT 251	Advanced Web Development	3
CIT 252	Web Database Development	3
CIT 263B	Project Management	3
IS 115	Introduction to Programming	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 4-6 credits)**

ACC 201; CF; CIT; CS; CSCO; GIS; GRC 103

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Computing and Information Technology - Software – Web Development**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CITSWD-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
COM 101 or 102	3
Complete Human Relations (see courses previous page)	3
IS 115 Introduction to Programming	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-20</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
CIT 151 Beginning Web Development	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
CIT 152 Web Script Language Programming	3
CIT 154B Dynamic Web Application	3
CIT 160 Introduction to Computer Security	3
CIT 180 Database Concepts and SQL	3
CIT 251 Advanced Web Development	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Sciences p. 51	3
CIT 252 Web Database Development	3
CIT 263B Project Management	3
Complete Electives <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-69**

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the fourth semester.

<sup>2</sup>Preferred program electives for this degree include any CIT 100 level programming language or any CIT 200 level programming language classes not already taken for this degree, or from CIT 180 and CIT 183.



**Construction Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CTMGT-AAS

**DESCRIPTION**

This degree prepares students to supervise and manage the construction of commercial and residential buildings including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, and building codes. Students will be prepared for employment as construction estimators/schedulers, project managers, green specialists, and other supervisory positions in the construction industry.

**STUDENT LEARNING OUTCOMES**

- Analyze items, elements or systems in a construction project by manually and visually identifying what is necessary for its construction, accurately calculate the quantities needed, and estimate its total installed cost.
- Correlate the construction field administration phase including contract documents, construction schedules, submittals, reports and close-out elements.
- Diagnose construction contracts, lien laws, contract changes, scheduling, insurances and bonds, and contract disputes.
- Compare the advantages of utilizing green construction materials over the more conventional construction materials including how the materials are produced, the general properties of the material, and how the materials are installed.
- Recognize the value of Lean techniques and their significance in the area of construction.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or MATH 124 or MATH 126

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 115 or ENG 102

**HUMAN RELATIONS (3 credits)**

ALS 101 or MGT 283

**NATURAL SCIENCE (3 credits)**

EGG 131 or ENV 101 or GEOG 103

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

COM 101 or PSY 101 or SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101 or HIST 101 and 102 or HIST 101 and 217

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (38 credits)**

CONS 108B	Construction Materials and Methods	3
CONS 110B	Introduction to Sustainable Construction	3
CONS 111B	Commercial Building Codes (IBC)	4
CONS 113B	Residential Codes (IRC)	4
CONS 120B	Construction Plans and Specifications	3
CONS 185B	Lean Construction	3
CONS 205B	Construction Site Safety	2
CONS 282B	Construction Law	3
CONS 285B	Construction Estimating and Scheduling	4
CONS 286B	Construction Management and Analysis	3
CONS 288B	Quality Control of Construction Waste	3
CONS 299B	Construction Capstone Course	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Construction Management

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CTMGT-AAS

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science <sup>1</sup> (see courses previous page)	3
CONS 111B Commercial Building Codes (IBC)	4
CONS 120B Construction Plans and Specifications	3
CONS 282B Construction Law	3
Complete Mathematics <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
CONS 108B Construction Materials and Methods	3
CONS 113B Residential Codes (IRC)	4
CONS 185B Lean Construction	3
CONS 286B Construction Management and Analysis	3
English Placement Test	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Communications <sup>3</sup> (see courses previous page)	3
CONS 110B Introduction to Sustainable Construction	3
CONS 205B Construction Site Safety	2
CONS 285B Construction Estimating and Scheduling	4
CONS 288B Quality Control of Construction Waste	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
CONS 299B Construction Capstone Course	3
Complete Natural Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**.....**60**

<sup>1</sup>COM 101 is required for BAS transfer to Great Basin College.

<sup>2</sup>MATH 124 or MATH 126 is required for BAS transfer to Great Basin College.

<sup>3</sup>ENG 102 is required for BAS transfer to Great Basin College.



**Creative Writing**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: ENGCW-AA

**DESCRIPTION**

The AA degree with a Creative Writing emphasis focuses on the writing of fiction or poetry. As knowledge of the genres and traditions of literature is central to the development of a writer or poet, courses that include the study of the elements of fiction and poetry are integrated into the program.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge and use of the forms and component elements of the genre (fiction or poetry).
- Identify purpose and audience within the context of fiction or poetry.
- Understand literary elements such as use of character, setting point of view, plot, style, and theme for fiction; metaphor, simile, meter, symbol, allusion, narrative, and theme for poetry.
- Complete a portfolio with work that exhibits effective use of language, self-editing, and controlled voice in a given genre.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 120 or 124 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

(Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (15 credits)**

World Languages 111 or above (courses must be in a single language)	8
COM 101 Oral Communication	3
ENG 205 Introduction to Creative Writing: Fiction and Poetry	3
ENG 296 Portfolio Assessment	1

**Choose one group (6 credits)**

<i>Group 1:</i>	
ENG 220 Writing Poetry	3
ENG 221 Writing Fiction	3
<i>Group 2:</i>	
ENG 220 Writing Poetry (repeatable to 6 credits - take course twice to satisfy this portion of the degree)	3
<i>Group 3:</i>	
ENG 221 Writing Fiction (repeatable to 6 credits - take course twice to satisfy this portion of the degree)	3

**ELECTIVES (choose 6 credits)**

ENG 243 Introduction to Short Story	3
ENG 261 Introduction to Poetry	3
ENG 275 Contemporary Literature	3
ENG 278 Readings in the Contemporary Novel	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Creative Writing**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: ENGCW-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
Complete Mathematics (see courses previous page)	3
Complete Social Science (see courses previous page)	6
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete Social Science (see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>1</sup> p. 50	4-6
ENG 205 Introduction to Creative Writing: Fiction and Poetry	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Natural Science <sup>2</sup> (With Lab) p. 50	3-4
World Languages 111 or above <sup>3</sup>	4
ENG 220 or ENG 221	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
World Languages 111 or above <sup>3</sup>	4
ENG 296 Portfolio Assessment	1
ENG 220 or ENG 221	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-66**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 4th semester.

<sup>2</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>3</sup>When completing the World Languages portion of the special program requirements, you must complete two courses from the same language.



**Criminal Justice**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: CRJ-AA

**DESCRIPTION**

The Associate of Arts Degree in Criminal Justice provides a broad overview of the criminal justice system, its subsystems, and the roles of the participants therein. It provides a comprehensive overview of criminal law and procedure, law enforcement ethics, and criminology. Students will choose additional elective credits in corrections, juvenile justice, forensics and other interdisciplinary topics. This degree may be used for transfer to a four-year academic institution or may serve as a qualification for public safety or social service positions.

**STUDENT LEARNING OUTCOMES**

- Explain the history and nature of the major components of the criminal justice system: police, courts, and corrections.
- Outline the basis of decision-making in the criminal justice process and important constitutional issues.
- Differentiate criminal law from other forms of law.
- Analyze the overall problem of crime in the United States, including different types of crimes, and identify current issues related to criminal prosecution and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**HUMANITIES (6 credits)**

COM 101 and one course from the following: ENG 223 or above; HIST; PHIL 101, 119, 129, 201, 202, 203; or World Languages 111 or above

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and 102 or HIST 101 and 217

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. CRJ 120 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (21 credits)**

CRJ 104	Introduction to Administration of Justice	3
CRJ 107	Introduction to Ethics in Criminal Justice	3
CRJ 120	Community Relations	3
CRJ 130	Survey of Criminal Law	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3
CRJ 288	Second Year Capstone in Criminal Justice	3

**ELECTIVES (choose 6 credits)**

Any CRJ course without B designation; any EMA course.  
See a counselor to select courses

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Criminal Justice

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: CRJ-AA

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AA English Composition <sup>1</sup> p. 49	3-5
COM 101 Oral Communication	3
Complete Fine Arts (see courses previous page)	3
CRJ 104 Introduction to Administration of Justice	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AA English Composition <sup>2</sup> p. 49	3
PHIL 102 Reasoning and Critical Thinking	3
Complete Humanities <sup>3</sup> (see courses previous page)	3
CRJ 107 Introduction to Ethics in Criminal Justice	3
CRJ 120 Community Relations <sup>4</sup>	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Natural Science <sup>5</sup> p. 50	3
CRJ 130 Survey of Criminal Law	3
CRJ 225 Criminal Evidence	3
CRJ 270 Introduction to Criminology	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science <sup>6</sup> p. 50	3-4
Complete U.S./NV Constitutions <sup>7</sup> (see courses previous page)	4
CRJ 288 Second Year Capstone in Criminal Justice	3
Complete Electives <sup>8</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-64**

<sup>1</sup>Complete ENG 100, 101 or 113

<sup>2</sup>Complete ENG 102 or 114

<sup>3</sup>Use the course list that follows, “COM 101 and one course from the following”

<sup>4</sup>This course also fulfills the General Education Values and Diversity requirement.

<sup>5</sup>Select one 3 credit course without a lab.

<sup>6</sup>Select one 3-4 credit course that includes a lab.

<sup>7</sup>PSC 101 completes this requirement of 4 credits. If you choose the HIST option, complete HIST 101 in the second or third semester and HIST 102 or 217 in the fourth semester.

<sup>8</sup>Any CRJ course without a B designation or any EMA course.





# Criminal Justice

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: CRJ-AAS

## DESCRIPTION

The AAS degree in Criminal Justice is intended to provide students with the skills, abilities, and knowledge needed in order to become criminal justice practitioners or to transfer to other institutions to continue their education. The degree addresses both the legal and professional aspects of the criminal justice system while integrating crime control and identifying factors that contribute to deviant behavior. The program prepares students seeking entry level employment within the field of criminal justice.

## STUDENT LEARNING OUTCOMES

- Summarize the three components (police, corrections, and the courts) of the criminal justice system and the workings of these institutions in society.
- Compare and contrast society’s concept of justice with the limitations of the criminal justice system.
- Analyze the overall problem of crime in the United States, including different types of crimes.
- Evaluate current issues related to crime prevention and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 113

### COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

### HUMAN RELATIONS (3 credits)

Required: PSY 101 General Psychology

### NATURAL SCIENCE (3 credits)

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 102 or above; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above

### U.S. AND NEVADA CONSTITUTIONS (4 credits)

See AAS policy p. 51 for courses

## SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

### CORE REQUIREMENTS (21 credits)

CRJ 104	Introduction to Administration of Justice	3
CRJ 107	Introduction to Ethics in Criminal Justice	3
CRJ 120	Community Relations	3
CRJ 130	Survey of Criminal Law	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3
CRJ 288	Second Year Capstone in Criminal Justice	3

### ELECTIVES (choose 18 credits)

CRJ Electives or any EMA course  
See a counselor to select courses

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete English Composition (see courses this page)	3-5
COM 101 Oral Communication	3
Complete Fine Arts/Humanities/Social Sciences (see courses this page)	3
CRJ 104 Introduction to Administration of Justice	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
PSY 101 General Psychology	3
CRJ 107 Introduction to Ethics in Criminal Justice	3
CRJ 120 Community Relations	3
Complete Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

THIRD SEMESTER	Credits
Choose any 3 credit BIOL course	3
CRJ 130 Survey of Criminal Law	3
CRJ 270 Introduction to Criminology	3
Complete Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

FOURTH SEMESTER	Credits
PSC 101 Introduction to American Politics	4
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	
CRJ 225 Criminal Evidence	3
CRJ 288 Second Year Capstone in Criminal Justice	3
Complete Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>16</b>

### DEGREE PLAN TOTAL CREDITS..... 61-63

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second or third semester and HIST 102 or 217 in the fourth semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Criminal Justice

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CRJ-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Certificate of Achievement in Criminal Justice is intended to provide students with the skills, abilities, and knowledge needed in order to become criminal justice practitioners. The certificate addresses both the legal and professional aspects of the criminal justice system while integrating crime control and identifying factors that contribute to deviant behavior. The certificate prepares students seeking entry level employment of some positions within the field.

## STUDENT LEARNING OUTCOMES

- Summarize the three components (police, corrections, and the courts) of the criminal justice system and the workings of these institutions in society.
- Compare and contrast society’s concept of justice with the limitations of the criminal justice system.
- Analyze the overall problem of crime in the United States, including different types of crimes.
- Evaluate current issues related to crime prevention and rehabilitation of offenders.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

### CORE REQUIREMENTS (21 credits)

CRJ 104	Introduction to Administration of Justice	3
CRJ 107	Introduction to Ethics in Criminal Justice	3
CRJ 120	Community Relations	3
CRJ 130	Survey of Criminal Law	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3
CRJ 288	Second Year Capstone in Criminal Justice	3

### ELECTIVES (choose 6 credits)

CRJ Electives or any EMA course.  
See a counselor to select courses

Computation included in CRJ 270  
Human Relations included in CRJ 120

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
COM 101 Oral Communication	3
CRJ 104 Introduction to Administration of Justice	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

SECOND SEMESTER	Credits
CRJ 107 Introduction to Ethics in Criminal Justice	3
CRJ 120 Community Relations	3
CRJ 130 Survey of Criminal Law	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

THIRD SEMESTER	Credits
CRJ 270 Introduction to Criminology	3
CRJ 225 Criminal Evidence	3
CRJ 288 Second Year Capstone in Criminal Justice	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**.....**30**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Criminal Justice - Law Enforcement Training Academy**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

**DESCRIPTION**

This degree in Criminal Justice, Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Nevada law enforcement agencies, as prescribed by the State of Nevada, Peace Officer Standards and Training Commission (POST). Testing methodology is structured for an active learning environment which includes written examinations, interactive scenarios, and examination of case studies. Applicants must pass a written examination, oral interview, physical agility test, physical examination, psychological examination, and possess both a Nevada permit to carry a concealed weapon, as well as a Nevada state driver's license. Students accepted into the Academy are required to pay a \$250.00 program fee.

**STUDENT LEARNING OUTCOMES**

- Employ oral and written communication skills as required by individual law enforcement agencies.
- Distinguish among the Nevada Revised Statutes and propose the appropriate circumstances for charging specific criminal statutes.
- Interpret the U.S. Constitution, Nevada Law, and case law as it relates to specific search and seizure issues.
- Employ proper firing techniques in use of firearms.
- Demonstrate the prescribed use of force in defensive tactics and arrest procedures.
- Acquire proficiency in physical agility activities as indicated in Nevada POST state regulations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

**NATURAL SCIENCE (3 credits)**

AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113; World Languages 101B or above

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)**

CRJ 103	Communication Within the Criminal Justice Field	3
CRJ 104	Introduction to Administration of Justice	3
CRJ 106	Introduction to Corrections	3
CRJ 107	Introduction to Ethics in Criminal Justice	3
CRJ 111B	Firearms I	3
CRJ 114B	Firearms II	2
CRJ 120	Community Relations	3
CRJ 164	Introduction to Criminal Investigation	3
CRJ 170B	Physical Training for Law Enforcement	1
CRJ 214	Principles of Police Patrol Techniques	3
CRJ 225	Criminal Evidence	3
CRJ 229B	Defensive Tactics	3
CRJ 233	Nevada Criminal Law	3
CRJ 251	Principles of Correctional Administration	3

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
CRJ 103 Communication Within the Criminal Justice Field	3
CRJ 104 Introduction to Administration of Justice	3
CRJ 106 Introduction to Corrections	3
CRJ 107 Introduction to Ethics in Criminal Justice	3
CRJ 111B Firearms I	3
CRJ 114B Firearms II	2
CRJ 120 Community Relations	3
CRJ 164 Introduction to Criminal Investigation	3
CRJ 170B Physical Training for Law Enforcement	1
CRJ 214 Principles of Police Patrol Techniques	3
CRJ 225 Criminal Evidence	3
CRJ 229B Defensive Tactics	3
CRJ 233 Nevada Criminal Law	3
CRJ 251 Principles of Correctional Administration	3
<b>TOTAL CREDITS</b> .....	<b>39</b>

**SECOND SEMESTER**

	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete English Composition (see courses this page)	3-5
Complete Human Relations (see courses this page)	3
Complete Natural Science (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>

**THIRD SEMESTER**

	<b>Credits</b>
COM 101 Oral Communication	3
Complete Fine Arts/Humanities/Social Sciences (see courses this page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4
<b>TOTAL CREDITS</b> .....	<b>10</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-63**

<sup>1</sup>If you choose the HIST option, complete HIST 101 or 111 in the second semester and take HIST 102 or 217 in the third semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Criminal Justice - Law Enforcement Training Academy**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

**THIS DEGREE IS NOT  
FINANCIAL AID ELIGIBLE**  
DEGREE CODE: CRJLETA-CT

**DESCRIPTION**

The Certificate of Achievement in Criminal Justice, Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Nevada law enforcement agencies, as prescribed by the State of Nevada, Peace Officer Standards and Training Commission (POST). Upon successful completion of the Academy, students will have the ability to take the Nevada POST examination once hired by a law enforcement agency that requires POST certification. Testing methodology is structured for an active learning environment which includes written examinations, interactive scenarios, and examination of case studies. This is a limited entry program. Applicants must pass a written examination, oral interview, physical agility test, physical examination, psychological examination, and possess both a Nevada permit to carry a concealed weapon, as well as a Nevada state driver's license. Students accepted into the Academy are required to pay a \$250.00 program fee.

**STUDENT LEARNING OUTCOMES**

- Employ oral and written communication skills as required by individual law enforcement agencies.
- Distinguish among the Nevada Revised Statutes and propose the appropriate circumstances for charging specific criminal statutes.
- Interpret the U.S. Constitution, Nevada law, and case law as it relates to specific search and seizure issues.
- Employ proper firing techniques in use of firearms.
- Demonstrate the prescribed use of force in defense tactics and arrest procedures.
- Acquire proficiency in physical agility activities as indicated in Nevada POST state regulations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: ENG 107 Technical Communications

**SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)**

CRJ 110B	Introduction to Nevada Law Enforcement	3
CRJ 111B	Firearms I	3
CRJ 114B	Firearms II	2
CRJ 167B	Preliminary Investigation for Police Recruits	3
CRJ 170B	Physical Training for Law Enforcement	1
CRJ 210B	Community Policing in Southern Nevada	3
CRJ 216B	Police Patrol Tactics	3
CRJ 219B	Emergency Vehicle Operation and Control	3
CRJ 221B	Criminal Procedures for Law Enforcement	3
CRJ 229B	Defensive Tactics	3
CRJ 233	Nevada Criminal Law	3

Computation included in CRJ 167B

Human Relations included in CRJ 210B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
ENG 107 Technical Communications I	3
CRJ 110B Introduction to Nevada Law Enforcement	3
CRJ 111B Firearms I	3
CRJ 114B Firearms II	2
CRJ 167B Preliminary Investigation for Police Recruits	3
CRJ 170B Physical Training for Law Enforcement	1
CRJ 210B Community Policing in Southern Nevada	3
CRJ 216B Police Patrol Tactics	3
CRJ 219B Emergency Vehicle Operation and Control	3
CRJ 221B Criminal Procedure for Law Enforcement	3
CRJ 229B Defensive Tactics	3
CRJ 233 Nevada Criminal Law	3

**TOTAL CREDITS.....33**

**DEGREE PLAN TOTAL CREDITS.....33**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Culinary Arts

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: CUL-AAS

### DESCRIPTION

This degree is a quality, professional program for students wishing to enter and/or advance in the field of culinary arts. Students are taught to master the fundamentals of cooking with emphasis on hands-on preparation of various cuisines including basic cookery, aromatics, international and French cooking. Students who successfully complete this degree are eligible to apply and receive Certified Culinarian status from the American Culinary Federation.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shoreintercom.net](mailto:aoc@shoreintercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net). Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, [www.acfchefs.org](http://www.acfchefs.org).

### STUDENT LEARNING OUTCOMES

- Integrate basic cooking skills including product identification, knife skills, and cold food production.
- Distinguish between the variety of herbs and spices.
- Prepare commonly used stocks, the foundation sauces, and a variety of small sauces.
- Practice food service sanitation and nutrition standards.
- Produce international cuisine menus for a restaurant.
- Explore overall workings, structure of the hospitality industry, restaurant management, and restaurant job positions in the operation of a campus restaurant and through work experience.
- Investigate purchase and receiving practices, standards, and governing regulations for food service operations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

#### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 113

#### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

#### HUMAN RELATIONS (3 credits)

Required: MGT 283 Introduction to Human Resources Management

#### NATURAL SCIENCE (3 credits)

ANTH 102; AST; BIOL 101 or above; CHEM; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

### SPECIAL PROGRAM REQUIREMENTS (45 CREDITS)

CUL 110	Basic Cookery	4
CUL 125	Principles of Baking	3
CUL 130	Garde Manger	3
CUL 200	Aromatics/Restaurant Experience	4
CUL 220	International Cuisine	4
CUL 240	French Cuisine	4
CUL 250	Saucier	3
CUL 295	Work Experience in Culinary Arts	1
FAB 102	Food Service Sanitation II	2
FAB 112	Restaurant Management I	3
FAB 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
FAB 210	Fundamentals of Food and Beverage Control	3
FAB 230	Menu Planning	3
HMD 101	Introduction to the Hospitality Industry	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Culinary Arts

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: CUL-AAS

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
FAB 167 Food Service Nutrition	2
HMD 101 Introduction to the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>17-20</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
CUL 125 Principles of Baking	3
CUL 130 Garde Manger	3
FAB 112 Restaurant Management I	3
FAB 160 Hospitality Purchasing	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
MGT 283 Introduction to Human Resources Management	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete AAS US/NV Constitutions p. 51	4-6
CUL 200 Aromatics/Restaurant Experience	4
CUL 295 Work Experience in Culinary Arts	1
FAB 210 Fundamentals of Food and Beverage Control	3
<b>TOTAL CREDITS</b> .....	<b>18-20</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
CUL 220 International Cuisine	4
CUL 240 French Cuisine	4
CUL 250 Saucier	3
FAB 230 Menu Planning	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

**DEGREE PLAN TOTAL CREDITS**..... **67-71**



# Culinary Arts

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: CUL-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Culinary Arts is a quality, professionally oriented program designed for students wishing to enter and/or advance in the field of culinary arts. Students are taught the fundamentals of cooking with emphasis on hands-on preparation of various cuisines, including Basic Cookery, Garde Manger, Aromatics, and Saucier.

**STUDENT LEARNING OUTCOMES**

- Integrate basic cooking skills including product identification, knife skills, and cold food production.
- Distinguish between the variety of herbs and spices.
- Prepare commonly used stocks, the foundation sauces, and a variety of small sauces.
- Practice food service sanitation and nutrition standards.
- Produce international cuisine menus for a restaurant.
- Explore overall workings, structure of the hospitality industry, restaurant management, and restaurant job positions in the operation of a campus restaurant and through work experience.
- Investigate purchase and receiving practices, standards, and governing regulations for food service operations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)**

CUL 110	Basic Cookery	4
CUL 130	Garde Manger	3
CUL 200	Aromatics/Restaurant Experience	4
CUL 250	Saucier	3
CUL 295	Work Experience in Culinary Arts	1
FAB 102	Food Service Sanitation II	2
FAB 112	Restaurant Management I	3
FAB 167	Food Service Nutrition	2
HMD 101	Introduction to the Hospitality Industry	3

Computation included in MATH 104B or above (except MATH 122, 123)

Human Relations included in HMD 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3-5
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
HMD 101 Introduction to the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
CUL 130 Garde Manger	3
CUL 200 Aromatics/Restaurant Experience	4
FAB 167 Food Service Nutrition	2
Complete Mathematics (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
CUL 250 Saucier	3
CUL 295 Work Experience in Culinary Arts	1
FAB 112 Restaurant Management I	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>31-33</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Pastry Arts**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: CULPAS-AAS

**DESCRIPTION**

This degree is a quality, professional program for students wishing to enter and/or advance in the field of culinary arts. Students are taught to master the fundamentals of cooking with emphasis on hands-on preparation of various cuisines including basic cookery, aromatics, international and French cooking. Students who successfully complete this degree are eligible to apply and receive Certified Culinarian status from the American Culinary Federation.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shoreintercom.net](mailto:aoc@shoreintercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net). Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, [www.acfchefs.org](http://www.acfchefs.org).

**STUDENT LEARNING OUTCOMES**

- Integrate basic cooking skills including: product identification, knife skills, and cold food production.
- Demonstrate baking skills including: variety of breads, puff pastry, cookies, and restaurant quality pastries and decorated cakes.
- Optimize best practices of a retail bakery through the operation of Campus Sweets.
- Enhance chocolate and sugar art techniques in the production of candies and showpieces.
- Practice food service sanitation and nutrition standards.
- Investigate purchasing and receiving practices, standards, and governing regulations for food service operations.
- Explore overall workings, structure of the hospitality industry, and pastry arts through work experience.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: MGT 283 Introduction to Human Resources Management

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (45 CREDITS)**

CUL 110	Basic Cookery	4
CUL 125	Principles of Baking	3
CUL 135	Breads of the World	3
CUL 175	Cake Design	3
CUL 215	Plated Desserts	3
CUL 225	Advanced Baking	3
CUL 230	Pastry Arts	3
CUL 255B	Retail Bakery Management	3
CUL 260	Introduction to Chocolate	3
CUL 265	Introduction to Sugar Arts	3
CUL 280B	Principles of Quantity Baking	3
CUL 295	Work Experience in Culinary Arts	1
FAB 102	Food Service Sanitation II	2
FAB 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
HMD 101	Introduction to the Hospitality Industry	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Pastry Arts**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: CULPAS-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
FAB 167 Food Service Nutrition	2
HMD 101 Introduction to the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
CUL 125 Principles of Baking	3
CUL 135 Breads of the World	3
CUL 260 Introduction to Chocolate	3
FAB 160 Hospitality Purchasing	3
<b>TOTAL CREDITS</b> .....	<b>18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
MGT 283 Introduction to Human Resources Management	3
CUL 175 Cake Design	3
CUL 230 Pastry Arts	3
CUL 255B Retail Bakery Management	3
CUL 280B Principles of Quality Baking	3
CUL 295 Work Experience in Culinary Arts	1
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
Complete AAS US/NV Constitutions p. 51	4-6
CUL 215 Plated Desserts	3
CUL 225 Advanced Baking	3
CUL 265 Introduction to Sugar Arts	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>67-71</b>



# Pastry Arts

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: CULPAS-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Pastry Arts program is a quality, professionally oriented course of study designed for students wishing to enter and/or advance in the field of pastry arts. Students are taught to master the fundamentals and techniques of baking and pastry arts with emphasis on hands-on preparation of breads, cakes and pastries.

## STUDENT LEARNING OUTCOMES

- Integrate basic cooking skills including: product identification, knife skills, and cold food production.
- Demonstrate baking skills including: variety of breads, puff pastry, cookies, and restaurant quality pastries and decorated cakes.
- Optimize best practices of a retail bakery through the operation of Campus Sweets.
- Enhance chocolate and sugar art techniques in the production of candies and showpieces.
- Practice food service sanitation and nutrition standards.
- Investigate purchasing and receiving practices, standards, and governing regulations for food service operations.
- Explore overall workings, structure of the hospitality industry, and pastry arts through work experience.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

### COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CUL 110	Basic Cookery	4
CUL 125	Principles of Baking	3
CUL 135	Breads of the World	3
CUL 175	Cake Design	3
CUL 225	Advanced Baking	3
CUL 255B	Retail Bakery Management	3
CUL 295	Work Experience in Culinary Arts	1
FAB 102	Food Service Sanitation II	2
FAB 167	Food Service Nutrition	2
HMD 101	Introduction to the Hospitality Industry	3

Computation included in MATH 104B or above (except MATH 122, 123)

Human Relations included in HMD 101

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
HMD 101 Introduction to the Hospitality Industry	3
Complete Mathematics (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

SECOND SEMESTER	Credits
Complete Communications (see courses this page)	3-5
CUL 125 Principles of Baking	3
CUL 135 Breads of the World	3
FAB 167 Food Service Nutrition	2
<b>TOTAL CREDITS</b> .....	<b>11-13</b>

THIRD SEMESTER	Credits
CUL 175 Cake Design	3
CUL 225 Advanced Baking	3
CUL 255B Retail Bakery Management	3
CUL 295 Work Experience in Culinary Arts	1
<b>TOTAL CREDITS</b> .....	<b>10</b>

**DEGREE PLAN TOTAL CREDITS**..... **33-35**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Dance

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: DAN-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This certificate provides preparation for those wishing to pursue teaching opportunities in dance, or enhance their ability to succeed in the professional dance world.

**STUDENT LEARNING OUTCOMES**

- Demonstrate a comprehensive understanding of the basic theoretical elements common to all genres of dance.
- Demonstrate a sound grounding in both ballet and modern dance techniques.
- Demonstrate competency in dance by performing in both informal and formal settings before a live audience.
- Demonstrate critical thinking skills through participation in course offerings such as Dance Appreciation, Improvisation, and Choreography, which encourage creativity, evaluative processes and exposure to a diverse range of aesthetic points of view.
- Exhibit essential rehearsal disciplines expected of professional dancers.
- Demonstrate awareness of the interconnection among related art forms such as music and visual art.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****COMMUNICATIONS (6 credits)**

Required: BUS 108 and COM 101

**SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)****CORE REQUIREMENTS (9 credits)**

DAN 101	Dance Appreciation	3
DAN 188	Dance Improvisation	2
DAN 284	Dance Project	2
DAN 288	Choreography	2

**Elective #1 (2 credits)**

Group 1:

DAN 135	Ballet (Beginning)	1
DAN 235	Ballet (Intermediate)	1

Group 2:

DAN 136	Ballet (Beginning/Intermediate)	1
DAN 235	Ballet (Intermediate)	1

Group 3: *Take this course twice - (2 credits)*

DAN 235	Ballet (Intermediate)	1
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**Elective #2 (2 credits)**

Group 1:

DAN 138	Modern Dance (Beginning)	1
DAN 238	Modern Dance (Intermediate)	1

Group 2: *Take this course twice - (2 credits)*

DAN 238	Modern Dance (Intermediate)	1
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**Elective #3 (2 credits)**

DAN 281	Dance Performance	1
DAN 287	Concert Dance (Company)	1

**Elective #4 (3 credits)**

DAN 108, 115, 119, 125, 128, 132, 133, 144, 175, 215, 245

**FINE ARTS (6 credits)**

ART 160	Art Appreciation	3
MUS 121	Music Appreciation	3

Computation included in BUS 108

Human Relations included in COM 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
BUS 108 Business Letters and Reports	3
DAN 101 Dance Appreciation	3
DAN 188 Dance Improvisation	2
DAN 284 Dance Project <sup>1</sup>	1
Complete Elective #1 (see courses this page)	1
Complete Elective #2 (see courses this page)	1
DAN 281 Dance Performance	1
Complete Elective #4 (see courses this page)	1
MUS 121 Music Appreciation	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

**SECOND SEMESTER**

	Credits
COM 101 Oral Communication	3
DAN 284 Dance Project <sup>1</sup>	1
DAN 288 Choreography	2
Complete Elective #1 (see courses this page)	1
Complete Elective #2 (see courses this page)	1
DAN 287 Concert Dance Company	1
Complete Elective #4 (see courses this page)	2
ART 160 Art Appreciation	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS.....30**

<sup>1</sup>Complete one credit of DAN 284 in the first semester and one credit of DAN 284 in the second semester for a total of two credits.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Deaf Studies**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: DS-AAS

**DESCRIPTION**

The Deaf Studies program prepares students to work in a variety of situations with the deaf community. Students will obtain a strong understanding, receptively and expressively, of American Sign Language, deaf culture and history.

**STUDENT LEARNING OUTCOMES**

- Acquire ASL vocabulary relevant to day-to-day discourse, academic topics, medical issues, financial issues, familial issues, political issues, and recreational activities.
- Acquire vocabulary relevant to figurative language in ASL.
- Exhibit an ability to conduct spontaneous discourse with native and near native ASL users.
- Exhibit an ability to apply ASL classifiers relevant to situations and rules of usage.
- Exhibit an ability to explain the basic grammar rules of ASL relating to questions, clauses, and non-manual signals.
- Exhibit an ability to apply their skills and knowledge in non-rehearsed situations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (6 credits)**

AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)**

AM 145	American Sign Language I	4
AM 146	American Sign Language II	4
AM 147	American Sign Language III	4
AM 148	American Sign Language IV	4
AM 149	American Sign Language V	4
AM 151	Fingerspelling I	1
AM 152	Fingerspelling II	1
AM 156	A Survey of Deafness	1
AM 253	Deaf Culture	3
AM 254	Deaf History	3
AM 255	Structure of American Sign Language	3
AM 257	ASL/English Translation	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Deaf Studies

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: DS-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
AM 145 American Sign Language	4
AM 156 A Survey of Deafness	1
<b>TOTAL CREDITS</b> .....	<b>11-13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
Complete Natural Science (see courses previous page)	6
AM 146 American Sign Language II	4
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete US/Nevada Constitutions <sup>1</sup> (see courses previous page)	4-6
AM 147 American Sign Language III	4
AM 151 Fingerspelling I	1
AM 253 Deaf Culture	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
AM 148 American Sign Language IV	4
AM 152 Fingerspelling II	1
AM 254 Deaf History	3
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
AM 149 American Sign Language	4
AM 255 Structure of American Sign Language	3
AM 257 ASL/English Translation <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-64</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the third semester and take HIST 102 or 217 in the fifth semester.

<sup>2</sup>Prerequisite of AM 255 or Instructor approval. Contact the Department of World Languages for permission to complete this class in the same semester as the prerequisite course.



**Deaf Studies - Interpreter Preparation**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: DSINT-AAS

**Please Note:** Students **MUST** complete the AAS Deaf Studies before beginning work on this AAS.

**DESCRIPTION**

CSN offers the first Sign Language Interpreter Preparation program in Nevada. Upon completion of the program, students will have entry-level professional skills as Sign Language Interpreters and Translators.

It is our mission to improve the quality and quantity of interpreting services provided to individuals who are deaf, hard of hearing, and deaf-blind.

**STUDENT LEARNING OUTCOMES**

- Demonstrate conversational American Sign Language skills at a competency level equivalent to that of an interpreter.
- Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Consecutive Interpretation.
- Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Simultaneous Interpretation.
- Demonstrate basic interpreting skills and knowledge in specialized areas such as Deaf-Blind, Theatrical, Religious, Medical, Legal, and Education.
- Take and pass the EIPA-Pre Screening tool for employment with the Clark County School District as an interpreter.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201, PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (3 credits)**

AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

AM 156	A Survey of Deafness	1
AM 205	Introduction to Interpreting	4
AM 206	Consecutive Interpreting	4
AM 207	Simultaneous Interpreting	4
AM 208	Observation/Practicum in Interpreting	3
AM 209	Advanced Interpreting	4
AM 211	Internship in Interpreting	3
AM 253	Deaf Culture	3
AM 254	Deaf History	3
AM 255	Structure of American Sign Language	3
AM 257	ASL/English Translation	3
ENG 107	Technical Computations I	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Deaf Studies - Interpreter Preparation**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: DSINT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

**PLEASE NOTE: Students MUST complete the AAS Deaf Studies before beginning work on this AAS. This degree plan reflects only the classes remaining to complete the AAS Deaf Studies-Interpreter Preparation.**

<b>FIRST SEMESTER</b>	<b>Credits</b>
AM 205 Introduction to Interpreting	4
AM 206 Consecutive Interpreting	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
AM 207 Simultaneous Interpreting	4
ENG 107 Technical Communications I	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
AM 208 Observation/Practicum in Interpreting	3
AM 209 Advanced Interpreting	4
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
AM 211 Internship in Interpreting	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>TOTAL CREDITS FROM AAS DEAF STUDIES</b> .....	<b>35</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60</b>



**Deaf Studies: American Sign Language/English Interpreting**

BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 123

**THIS DEGREE IS NOT****FINANCIAL AID ELIGIBLE**

DEGREE CODE: DSASLEIBAS

**IMPORTANT**

This program has been submitted for approval to the US Department of Education for financial aid funding. It is not eligible for financial aid at this time. However, it will be eligible for scholarship funding if the student is awarded scholarships.

**DESCRIPTION**

This BAS program is intended for those wishing to become professional sign language interpreters. The program focuses on language (ASL and English) development and cultural studies for the lower-division portion and interpreting in the upper division portion. Students wishing to learn ASL only and not aspire toward a career in interpreting will still be able to earn an AAS degree in Deaf Studies which will prepare them to continue in other fields such as education, counseling, and social work.

**STUDENT LEARNING OUTCOMES**

- Perform a conversation in American Sign Language at a competency level equivalent to an entry level interpreter.
- Complete a successful interpretation of a communication transaction between a D/deaf and hearing individual using the methodologies of consecutive and simultaneous interpretation.
- Perform various interpreting tasks which reflect areas of specialization such as Deaf-Blind, Medical, Mental Health, Legal, Educational, Conference, Video Relay/Remote, Theatrical and Religious interpreting.
- Develop skills and knowledge required for the K-12 setting to pass the Educational Interpreter Performance Assessment (EIPA) written test and performance test at a score of 3.0 or better.
- Appraise and apply the principles and practices of the interpreting profession that are required to pass the Registry of Interpreters for the Deaf National Interpreter Certification written test.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**LOWER DIVISION CREDIT REQUIREMENTS (39 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (6-8 credits)**

ENG 100 or 101 and 102 or 107

**LITERATURE (3 credits)**

ENG 231; 232; 241; 242

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 133, 215; ENG 107

**HUMAN RELATIONS (6 credits)**

ANTH 101, 112, 133, 201, 205; HIST 105, 106, 107; MGT 100B, 212; PHIL 135

**NATURAL SCIENCE (3 credits)**

AST 101; BIOL 101; ENV 101; GEOG 103, 106, 117; GEOL 100; HHP 123B, PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

PSY 101 and SOC 101 plus 3 credits from the following:

ART 101 or THTR 100

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 and 102 or HIST 101 and HIST 217

**UPPER DIVISION****GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

ENG 333 Professional Communications 3

EPY 303 Educational Psychology 3

**Choose 3 credits from the following:**

PHIL 302 Intermediate Reasoning and Critical Thinking 3

PHIL 311 Professional Ethics 3

**SPECIAL PROGRAM REQUIREMENTS (75 CREDITS)****LOWER DIVISION CORE REQUIREMENTS (35 credits)**

AM 145 American Sign Language I 4

AM 146 American Sign Language II 4

AM 147 American Sign Language III 4

AM 148 American Sign Language IV 4

AM 149 American Sign Language V 4

AM 151 Fingerspelling I 1

AM 152 Fingerspelling II 1

AM 156 A Survey of Deafness 1

AM 253 Deaf Culture 3

AM 254 Deaf History 3

AM 255 Structure of American Sign Language 3

AM 257 ASL/English Translation 3

**UPPER DIVISION CORE REQUIREMENTS (40 credits)**

AM 304 Principles and Practices in Interpreting 4

AM 306 Consecutive Interpreting Applications 4

AM 307 Simultaneous Interpreting Applications 4

AM 308 Observation/Practicum in Interpreting 3

AM 309 Advanced Interpreting 4

AM 310 Specialized Interpreting 3

AM 401 Artistic Interpreting 3

AM 402 Medical Interpreting 3

AM 403 Educational Interpreting 3

AM 404 Mentorship In Interpreting 3

AM 405 Capstone Seminar 3

AM 450 Internship in American Sign Language Interpreting 3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Deaf Studies: American Sign Language/English Interpreting

BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 123

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>	<b>EIGHTH SEMESTER</b>	<b>Credits</b>
ENG 100 or 101	3-5	AM 309 Advanced Interpreting	4
MATH 120 Fundamentals of College Mathematics	3	AM 403 Educational Interpreting	3
Complete Communications (see courses previous page)	3	AM 404 Mentorship in Interpreting	3
AM 145 American Sign Language I	4	AM 405 Capstone Seminar	3
AM 156 A Survey of Deafness	1	<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>TOTAL CREDITS</b> .....	<b>14-16</b>	<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>123-125</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>	<sup>1</sup> Complete whichever course you did not complete for this requirement in the third semester.	
Complete Natural Science (See courses previous page)	3		
ENG 102 or 107	3		
ENG 231 or 232 or 241 or 242	3		
Complete Human Relations (See courses previous page)	3		
AM 146 American Sign Language II	4		
<b>TOTAL CREDITS</b> .....	<b>16</b>		
<b>THIRD SEMESTER</b>	<b>Credits</b>		
HIST 101 U.S. History to 1877	3		
Complete Human Relations (See courses previous page)	3		
PSY 101 or SOC 101	3		
AM 147 American Sign Language III	4		
AM 151 Fingerspelling I	1		
AM 253 Deaf Culture	3		
<b>TOTAL CREDITS</b> .....	<b>17</b>		
<b>FOURTH SEMESTER</b>	<b>Credits</b>		
HIST 102 or 217	3		
PSY 101 or SOC 101 <sup>1</sup>	3		
AM 148 American Sign Language IV	4		
AM 152 Fingerspelling II	1		
AM 254 Deaf History	3		
<b>TOTAL CREDITS</b> .....	<b>14</b>		
<b>FIFTH SEMESTER</b>	<b>Credits</b>		
ART 101 or THTR 100	3		
ENG 333 Professional Communications	3		
AM 149 American Sign Language V	4		
AM 255 Structure of American Sign Language	3		
AM 304 Principles and Practices in Interpreting	4		
<b>TOTAL CREDITS</b> .....	<b>17</b>		
<b>SIXTH SEMESTER</b>	<b>Credits</b>		
EPY 303 Educational Psychology	3		
AM 257 ASL/English Translation	3		
AM 306 Consecutive Interpreting Applications	4		
AM 308 Observation/Practicum in Interpreting	3		
AM 401 Artistic Interpreting	3		
<b>TOTAL CREDITS</b> .....	<b>16</b>		
<b>SEVENTH SEMESTER</b>	<b>Credits</b>		
PHIL 302 or 311	3		
AM 307 Simultaneous Interpreting Applications	4		
AM 310 Specialized Interpreting	3		
AM 402 Medical Interpreting	3		
AM 450 Internship in American Sign Language Interpreting	3		
<b>TOTAL CREDITS</b> .....	<b>16</b>		



**Dental Assisting – Clinical**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 32**

**LIMITED ENTRY**  
**DEGREE CODE: DACLIN-CT**

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The dental assisting program is a limited-entry program. The program is accredited by the American Dental Association’s Commission on Dental Accreditation, 211 East Chicago Avenue, Suite 1900, Chicago, Illinois 60611. The course is designed to prepare students for the national certification through the Dental Assisting National Board (DANB), 444 North Michigan Avenue, Suite 900, Chicago, Illinois 60611, (800) FOR-DANB. Students must successfully complete either ENG 100, 101, 107, or 113 with a C or above and may contact the Dental Assistant Program Director at 651-5851. Students must attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement. Dental assistants are primarily employed in private dental offices but may work in public clinics, hospitals, and dental schools. The curriculum includes classroom and laboratory experience in dental sciences, dental materials, radiology, chair-side assisting, and dental office management. In the student’s last semester, the student will be placed in at least three clinical sites where they must complete 300 hours of clinical experience.

**STUDENT LEARNING OUTCOMES**

- Demonstrate current dental assistant practice and educational standards.
- Demonstrate competency to apply principles of the psychological and socio-cultural concepts to develop effective interpersonal skills necessary to provide supportive treatment to diverse populations of dental clients.
- Demonstrate competency to function as a member of the dental team by recognizing and recording general and oral conditions, providing preventive care and implementing current dental technology.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 107 or 113

**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)**

DA 108B	Introduction to Dental Assisting	2
DA 115B	Dental Health Education	1
DA 118B	Dental Materials for Dental Assistants	3
DA 119B	Dental Chairside Procedures	4
DA 123B	Practice Management and Procedures	3
DA 124B	Integrated Science for Dental Assistants	4
DA 126B	Clinical Externship	6
DA 128B	Dental Radiology	3
DA 136B	Dental Specialties	3

Computation included in DA 123B

Human Relations included in DA 108B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 107 or 113	3-5
<b>TOTAL CREDITS</b> .....	<b>3-5</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
DA 108B Introduction to Dental Assisting <sup>1</sup>	2
DA 115B Dental Health Education <sup>1</sup>	1
DA 118B Dental Materials for Dental Assistants <sup>1</sup>	3
DA 124B Integrated Science for Dental Assistants <sup>1</sup>	4
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
DA 119B Dental Chairside Procedures <sup>2</sup>	4
DA 123B Practice Management and Procedures <sup>2</sup>	3
DA 128B Dental Radiology <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
DA 126B Clinical Externship <sup>3</sup>	6
DA 136B Dental Specialties <sup>3</sup>	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>32</b>

<sup>1</sup>All four classes are co-requisite.

<sup>2</sup>All three classes are co-requisites.

<sup>3</sup>Take DA 126B and DA 136B concurrently.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Dental Hygiene**

ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 88

**LIMITED ENTRY**  
DEGREE CODE: DH-AS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**THIS PROGRAM IS INTENDED FOR TRANSFER ONLY TO THE CSN BS IN DENTAL HYGIENE OR TO BE A STAND ALONE DEGREE.**

**DESCRIPTION**

The Dental Hygienist is the licensed prevention specialist in the dental health team, providing health education, administering local anesthesia, removing deposits and stains from teeth, exposing x-rays, and applying topical fluoride. The curriculum is demanding, requiring a high degree of individual motivation, stamina, and manual dexterity. This program of classroom and clinical instruction is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements." The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. Graduates will be eligible to take the written national Board and clinical State or Regional Boards in order to become licensed.

**STUDENT LEARNING OUTCOMES**

- Demonstrate treatments that include preventive and therapeutic procedures to promote and maintain oral health and assist the patient in achieving oral health goals.
- Demonstrate the ability to acquire and synthesize information in a critical, scientific, and effective manner.
- Demonstrate the ability to initiate and assume responsibility for health promotion and disease prevention activities for diverse populations.
- Incorporate knowledge of scientific methods and the relationships among theory, experiments and analyses and apply these to a problem or issue in biology.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (37 CREDITS)****MATHEMATICS (3-5 credits)**

MATH 127 or 128

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**NATURAL SCIENCE (12 credits)**

BIOL 223 and 224; and CHEM 121

**HUMANITIES (3 credits)**

COM 101 or 102

**SOCIAL SCIENCE (6 credits)**

SOC 101 and PSY 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

Completing PSY 101 or SOC 101 as required for the "Social Sciences" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)**

CLS 261	Clinical Microbiology for Dental Professionals	2
CLS 262	Applied Clinical Microbiology for Dental Professionals	1
DH 102	Oral Biology	3
DH 104	Dental Hygiene I	3
DH 105	Introduction to Clinical Practice	2
DH 107	Legal and Ethical Implications in Dental Hygiene	2
DH 110	Concepts of Oral Health	2
DH 112	Oral Radiology	3
DH 115	Clinical Practice I	3
DH 117	Periodontics I	2
DH 119	General and Oral Pathology for Dental Hygienists	2
DH 122	Nutritional Aspects in Dentistry	2
DH 202	Pharmacology	2
DH 203	Special Patients	2
DH 208	Community Dental Health I	2
DH 209	Pain and Anxiety Control	3
DH 210	Clinical Dental Hygiene II	4
DH 211	Dental Materials and Techniques for Dental Hygienists	2
DH 212	Periodontic Principles II	2
DH 216	Principles of Dental Practice	1
DH 217	Periodontics III	1
DH 219	Community Dental Health Field Experience	1
DH 220	Clinical Dental Hygiene III	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Dental Hygiene**

ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 88

**LIMITED ENTRY**  
DEGREE CODE: DH-AS

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3-5
ENG 100 or 101 or 113	3
BIOL 223 Human Anatomy and Physiology I	4
PSY 101 General Psychology <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>13-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
BIOL 224 Human Anatomy and Physiology II	4
COM 101 or COM 102	3
SOC 101 Principles of Sociology <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
CHEM 121 General Chemistry I	4
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
DH 102 Oral Biology	3
DH 104 Dental Hygiene I	3
DH 105 Introduction to Clinical Practice	2
DH 107 Legal and Ethical Implications in Dental Hygiene	2
DH 110 Concepts of Oral Health	2
CLS 261 Clinical Microbiology for Dental Professionals	2
CLS 262 Applied Clinical Microbiology for Dental Professionals	1
Optional <sup>2</sup> - DH 116B Supervised Clinical Practice	(1)
<b>TOTAL CREDITS</b> .....	<b>15 (16)</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
DH 112 Oral Radiology	3
DH 115 Clinical Practice I	3
DH 117 Periodontics I	2
DH 119 General and Oral Pathology for Dental Hygienists	2
DH 122 Nutritional Aspects in Dentistry	2
DH 202 Pharmacology	2
Optional <sup>2</sup> - DH 116B Supervised Clinical Practice	(1)
<b>TOTAL CREDITS</b> .....	<b>14 (15)</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
DH 209 Pain and Anxiety Control	3
Optional <sup>2</sup> - DH 116B Supervised Clinical Practice	(1)
<b>TOTAL CREDITS</b> .....	<b>3 (4)</b>

<b>SEVENTH SEMESTER</b>	<b>Credits</b>
DH 203 Special Patients	2
DH 208 Community Dental Health I	2
DH 210 Clinical Dental Hygiene II	4
DH 211 Dental Materials and Techniques for Dental Hygienists	2
DH 212 Periodontic Principles II	2
Optional <sup>2</sup> - DH 116B Supervised Clinical Practice	(1)
<b>TOTAL CREDITS</b> .....	<b>12 (13)</b>

<b>EIGHTH SEMESTER</b>	<b>Credits</b>
DH 216 Principles of Dental Practice	1
DH 217 Periodontics III	1
DH 219 Community Dental Health Field Experience	1
DH 220 Clinical Dental Hygiene III	4
Optional <sup>2</sup> - DH 296 Board Review	(1)
Optional <sup>2</sup> - DH 116B Supervised Clinical Practice	(1)
<b>TOTAL CREDITS</b> .....	<b>7 (9)</b>

**DEGREE PLAN TOTAL CREDITS..... 88-90 (94-96)**

<sup>1</sup>This course also covers the Values and Diversity general education requirement.

<sup>2</sup>Optional DH courses listed on this pathway are offered to review topics in preparation for the Dental Hygiene National Board Exam and provide time for supervised clinical remediation. These courses are NOT included in the 88 credit total.



**Dental Hygiene – Education Specialist**

BACHELOR OF SCIENCE (BS)

REQUIRED CREDITS: 120

**LIMITED ENTRY**

DEGREE CODE: DHEDUS-BS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Bachelor of Science Degree Completion Program allows associate degree students and licensed dental hygienists the opportunity to build upon their current knowledge, enhance their current professional role, and advance to broader careers to meet the growing public health and education needs in dentistry. The curriculum is designed to introduce students to the expanding role of dental hygienists in public health and education. Graduates of the Baccalaureate program will be qualified for an array of challenging career opportunities in public health, education, administration, research, management, and related fields. The online cohort program is offered part-time to provide flexibility for working professionals.

**STUDENT LEARNING OUTCOMES**

- Synthesize industry specific information in a critical, scientific, and effective manner.
- Justify advanced dental hygiene roles, health promotion, and disease prevention activities for diverse populations by involvement in education and public health programs.
- Collaborate with other health professionals to provide educational services and strategies that promote and advance the health of the public.
- Advocate for the advancement of the dental hygiene body of knowledge and/or conduct research.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**LOWER DIVISION CREDIT REQUIREMENTS (89 CREDITS)**

A.S. or A.A.S from a CODA accredited Dental Hygiene Program and Lower Division General Education Credits Awarded	30
Additional Credits - May be Dental Hygiene course credits	55
General Education US & Nevada Constitutions	4-6
Recommended: PSC 101 Introduction to American Politics	

**UPPER DIVISION****GENERAL EDUCATION REQUIREMENTS (15 CREDITS)**

COM 340	Cross Culture Communication in Health Care	3
ENG 333	Professional Communications	3
EPY 303	Educational Psychology	3
PHIL 302	Intermediate Reasoning and Critical Thinking	3
PHIL 311	Professional Ethics	3

**SPECIAL PROGRAM REQUIREMENTS (16 CREDITS)**

DH 400	Leadership and Group Dynamics	2
DH 402	Patient Diversity and Cultural Awareness	2
DH 404	Research Methodology	2
DH 406	Future Directions in Dental Hygiene	2
DH 408	Introduction to Teaching Methodologies	2
DH 418	Advanced Education Concepts	2
DH 428	Clinical/Laboratory Teaching	2
DH 442	Capstone Seminar II	2

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

**PLEASE NOTE:**

Applicants must have achieved a minimum of 30 general education credits and a total of 89 transferrable credits (up to 55 credits may be awarded for DH designated course credits) prior to admission to the program. Effective Fall 2014, applicants must also have completed the U.S. and Nevada Constitutions requirement prior to acceptance into the BSDH program.

**FIRST SEMESTER (SUMMER)**

COM 340 Cross Cultural Communication	Credits	3
EPY 303 Educational Psychology		3
<b>TOTAL CREDITS</b> .....		<b>6</b>

**SECOND SEMESTER**

PHIL 302 Intermediate Reasoning and Critical Thinking	Credits	3
DH 400 Leadership and Group Dynamics		2
DH 402 Patient Diversity and Cultural Awareness		2
DH 404 Research Methodology		2
DH 406 Future Directions in Dental Hygiene		2
DH 408 Teaching Methodologies		2
<b>TOTAL CREDITS</b> .....		<b>13</b>

**THIRD SEMESTER**

ENG 333 Professional Communications	Credits	3
PHIL 311 Professional Ethics		3
DH 418 Advanced Education Concepts		2
DH 428 Clinical/Laboratory Teaching <sup>1</sup>		2
DH 442 Capstone Seminar II		2
<b>TOTAL CREDITS</b> .....		<b>12</b>

**DEGREE PLAN TOTAL CREDITS<sup>2</sup>.....31**

<sup>1</sup>Prerequisite of DH 418. Contact the Department of Dental Sciences, Diagnostic Evaluation and Rehabilitation Services for permission to take this class in the same semester as its prerequisite.

<sup>2</sup>Adding 30 General Education credits + 55 Additional credits (may be DH courses) + 4 credits for PSC 101 (US/Nevada Constitutions Requirement) + 31 Total Degree Plan credits = 120 Total Bachelor of Science credits.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Dental Hygiene – Public Health Specialist**

BACHELOR OF SCIENCE (BS)

REQUIRED CREDITS: 120

**LIMITED ENTRY**  
DEGREE CODE: DPHS-BS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Bachelor of Science Degree Completion Program allows associate degree students and licensed dental hygienists the opportunity to build upon their current knowledge, enhance their current professional role, and advance to broader careers to meet the growing public health and education needs in dentistry. The curriculum is designed to introduce students to the expanding role of dental hygienists in public health and education. Graduates of the Baccalaureate program will be qualified for an array of challenging career opportunities in public health, education, administration, research, management, and related fields. The online cohort program is offered part-time to provide flexibility for working professionals.

**STUDENT LEARNING OUTCOMES**

- Synthesize industry specific information in a critical, scientific, and effective manner.
- Justify advanced dental hygiene roles, health promotion, and disease prevention activities for diverse populations by involvement in education and public health programs.
- Collaborate with other health professionals to provide educational services and strategies that promote and advance the health of the public.
- Advocate for the advancement of the dental hygiene body of knowledge and/or conduct research.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**LOWER DIVISION CREDIT REQUIREMENTS (89 CREDITS)**

A.S. or A.A.S from a CODA accredited Dental Hygiene Program	30
<b>and</b> Lower Division General Education Credits Awarded	
Additional Credits - May be Dental Hygiene course credits	55
General Education US & Nevada Constitutions	4-6
Recommended: PSC 101 Introduction to American Politics	

**UPPER DIVISION****GENERAL EDUCATION REQUIREMENTS (15 CREDITS)**

COM 340	Cross Culture Communication in Health Care	3
ENG 333	Professional Communications	3
EPY 303	Educational Psychology	3
PHIL 302	Intermediate Reasoning and Critical Thinking	3
PHIL 311	Professional Ethics	3

**SPECIAL PROGRAM REQUIREMENTS (16 CREDITS)**

DH 400	Leadership and Group Dynamics	2
DH 402	Patient Diversity and Cultural Awareness	2
DH 404	Research Methodology	2
DH 406	Future Directions in Dental Hygiene	2
DH 408	Introduction to Teaching Methodologies	2
DH 412	Dental Public Health Administration	2
DH 422	Oral Epidemiology and Biostatistics	2
DH 440	Capstone Seminar I	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Dental Hygiene – Public Health Specialist

### BACHELOR OF SCIENCE (BS)

REQUIRED CREDITS: 120

**LIMITED ENTRY**  
 DEGREE CODE: DPHS-BS

#### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

#### **PLEASE NOTE:**

Applicants must have achieved a minimum of 30 general education credits and a total of 89 transferrable credits (up to 55 credits may be awarded for DH designated course credits) prior to admission to the program. Effective Fall 2014, applicants must also have completed the U.S. and Nevada Constitutions requirement prior to acceptance into the BSDH program.

<b>FIRST SEMESTER (SUMMER)</b>	<b>Credits</b>
COM 340 Cross Cultural Communication	3
EPY 303 Educational Psychology	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
PHIL 302 Intermediate Reasoning and Critical Thinking	3
DH 400 Leadership and Group Dynamics	2
DH 402 Patient Diversity and Cultural Awareness	2
DH 404 Research Methodology	2
DH 406 Future Directions in Dental Hygiene	2
DH 408 Teaching Methodologies	2
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
ENG 333 Professional Communications	3
PHIL 311 Professional Ethics	3
DH 412 Dental Public Health Administration	2
DH 422 Oral Epidemiology and Biostatistics	2
DH 440 Capstone Seminar I	2
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS<sup>1</sup>** ..... **31**

<sup>1</sup>Adding 30 General Education credits + 55 Additional credits (may be DH courses) + 4 credits for PSC 101 (US/Nevada Constitutions Requirement) + 31 Total Degree Plan credits = 120 Total Bachelor of Science credits.



**Diagnostic Medical Sonography – Cardiac/Vascular Ultrasound Track**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 92

**LIMITED ENTRY**  
DEGREE CODE: SONCCARAAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

Ultrasonography is a diagnostic imaging procedure that utilizes high frequency sound waves to image abdominal organs, vessels, the heart, and the developing fetus in the maternal uterus. Ultrasound can demonstrate masses, fluid accumulations, and other pathology in the patient. Ultrasound exams are performed under the supervision of a qualified physician. Students electing to take this area of study are prepared to enter the sonography field in the areas of adult and pediatric echocardiography as well as vascular ultrasound. The student, upon graduation, will be eligible to sit for the National Registry Exams for Diagnostic Cardiac Sonography. Upon passing the exams, they will use the designation RDCS (Registered Diagnostic Cardiac Sonographer). This is a limited entry program and students must attend a health programs orientation and meet with a health programs advisor for additional counseling. The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the JRC-DMS which is located at 6021 University Boulevard, Suite 500, Ellicott City, MD 21043, (651) 731-1582.

**STUDENT LEARNING OUTCOMES**

- Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
- Assess and facilitate basic patient care and comfort during sonographic procedures.
- Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (31 CREDITS)****MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: PSY 101 General Psychology

**NATURAL SCIENCE (12 credits)**

BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (61 CREDITS)**

HIT 117B	Medical Terminology I	1
SON 102B	Basic Cardiac Sonography	3
SON 102L	Basic Cardiac Sonography Lab	1
SON 116B	Echocardiography I	3
SON 125B	Sonographic Physics and Instrumentation I	3
SON 135B	Cardiovascular Ultrasound Physics	2
SON 150B	Patient Care for Imaging Professions	3
SON 160B	Sonographic Scanning Lab I	2
SON 190B	Sonographic Physics and Instrumentation II	3
SON 195B	Sonographic Scanning Lab II	2
SON 216B	Echocardiography II	3
SON 225B	Stress Echocardiography	3
SON 250B	Seminar and Case Review I	2
SON 255B	Seminar and Case Review II	2
SON 261B	Pediatric Echocardiography I	3
SON 262B	Pediatric Echocardiography II	2
SON 275B	Vascular Sonography I	3
SON 275L	Vascular Sonography Laboratory I	1
SON 276B	Vascular Sonography II	3
SON 276L	Vascular Sonography Laboratory II	1
SON 280B	Sonographic Clinical Practicum I	2
SON 281B	Sonographic Clinical Practicum II	2
SON 282B	Sonographic Clinical Practicum III	3
SON 283B	Sonographic Clinical Practicum IV	3
SON 284B	Sonographic Clinical Practicum V	3
SON 291B	Cardiac Registry Review	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Diagnostic Medical Sonography – Cardiac/Vascular Ultrasound Track**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 92

**LIMITED ENTRY**  
DEGREE CODE: SONCCARAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	(4)
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>9 (13) - 11 (15)</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
BIOL 223 Human Anatomy and Physiology I	4
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
PSY 101 General Psychology	3
BIOL 224 Human Anatomy and Physiology II	4
EGG 131 and EGG 131L; or PHYS 110 or above	4
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>12</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
<i>Application due to Limited Entry - Deadline is February 1st every year</i>	

<b>FIFTH SEMESTER</b>	<b>Credits</b>
SON 102B Basic Cardiac Sonography	3
SON 102L Basic Cardiac Sonography Laboratory	1
SON 150B Patient Care for Imaging Professions/Lab	3
<b>TOTAL CREDITS</b> .....	<b>7</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
SON 116B Echocardiography I	3
SON 125B Sonographic Physics and Instrumentation I	3
SON 160B Sonographic Scanning Lab I	2
SON 280B Sonographic Clinical Practicum I	2
<b>TOTAL CREDITS</b> .....	<b>10</b>

<b>SEVENTH SEMESTER</b>	<b>Credits</b>
SON 190B Sonographic Physics and Instrumentation II	3
SON 195B Sonographic Scanning Lab II	2
SON 216B Echocardiography II	3
SON 225B Stress Echocardiography	3
SON 281B Sonographic Clinical Practicum II	2
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>EIGHTH SEMESTER</b>	<b>Credits</b>
SON 282B Sonographic Clinical Practicum III	3
<b>TOTAL CREDITS</b> .....	<b>3</b>

<b>NINTH SEMESTER</b>	<b>Credits</b>
SON 135B Cardiovascular Ultrasound Physics	2
SON 250B Seminar and Case Review I	2
SON 261B Pediatric Echocardiography I	3
SON 275B Vascular Sonography I	3
SON 275L Vascular Sonography Laboratory I	1
SON 283B Sonographic Clinical Practicum IV	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>TENTH SEMESTER</b>	<b>Credits</b>
SON 255B Seminar and Case Review II	2
SON 262B Pediatric Echocardiography II	2
SON 276B Vascular Sonography II	3
SON 276L Vascular Sonography Laboratory II	1
SON 284B Sonographic Clinical Practicum V	3
SON 291B Cardiac Registry Review	2
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **92 (96) - 96 (100)**

<sup>1</sup>This course is a prerequisite to BIOL 223.



**Diagnostic Medical Sonography – General/Vascular Ultrasound Track**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 93

**LIMITED ENTRY**  
DEGREE CODE: SONGVASAAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

Ultrasonography is a diagnostic imaging procedure that utilizes high frequency sound waves to image abdominal organs, vessels, the heart, and the developing fetus in the maternal uterus. Ultrasound can demonstrate masses, fluid accumulations, and other pathology in the patient. Ultrasound exams are performed under the supervision of a qualified physician. Students electing to take this area of study are prepared to enter the sonography field in the areas of abdominal, obstetrical/gynecological, and vascular ultrasound. The student, upon graduation, will be eligible to sit for the National Registry Exams for Diagnostic Medical Sonography. Upon passing the exams, they will use the designation RDMS (Registered Diagnostic Medical Sonographer). This is a limited entry program and students must attend a health programs orientation and meet with a health programs advisor for additional counseling. The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the JRC-DMS which is located at 6021 University Boulevard, Suite 500, Ellicott City, MD 21043, (651) 731-1582.

**STUDENT LEARNING OUTCOMES**

- Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
- Assess and facilitate basic patient care and comfort during sonographic procedures.
- Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (31 CREDITS)****MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: PSY 101 General Psychology

**NATURAL SCIENCE (12 credits)**

BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (62 CREDITS)**

HIT 117B	Medical Terminology I	1
SON 101B	Basic Sonography	3
SON 101L	Basic Sonography Laboratory	1
SON 125B	Sonographic Physics and Instrumentation I	3
SON 150B	Patient Care for Imaging Professions	3
SON 160B	Sonographic Scanning Lab I	2
SON 190B	Sonographic Physics and Instrumentation II	3
SON 195B	Sonographic Scanning Lab II	2
SON 210B	Abdominal Sonography I	3
SON 220B	Abdominal Sonography II	3
SON 235B	Gynecologic Sonography	3
SON 245B	Obstetrical Sonography I	3
SON 250B	Seminar and Case Review I	2
SON 255B	Seminar and Case Review II	2
SON 260B	Obstetrical Sonography II	3
SON 270B	Small Parts/Pediatric Sonography	2
SON 275B	Vascular Sonography I	3
SON 275L	Vascular Sonography Laboratory I	1
SON 276B	Vascular Sonography II	3
SON 276L	Vascular Sonography Laboratory II	1
SON 280B	Sonographic Clinical Practicum I	2
SON 281B	Sonographic Clinical Practicum II	2
SON 282B	Sonographic Clinical Practicum III	3
SON 283B	Sonographic Clinical Practicum IV	3
SON 284B	Sonographic Clinical Practicum V	3
SON 290B	Sonography Registry Review	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Diagnostic Medical Sonography – General/Vascular Ultrasound Track

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 93

LIMITED ENTRY

DEGREE CODE: SONGVASAAS

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>	<b>SEVENTH SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	(4)	SON 190B Sonographic Physics and Instrumentation II	3
Complete Mathematics (see courses previous page)	3	SON 195B Sonographic Scanning Lab II	2
Complete AAS English Composition p. 50	3-5	SON 220B Abdominal Sonography II	3
COM 101 Oral Communication	3	SON 245B Obstetrical Sonography I	3
<b>TOTAL CREDITS</b> .....	<b>9 (13) - 11 (15)</b>	SON 281B Sonographic Clinical Practicum II	2
		<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>	<b>EIGHTH SEMESTER</b>	<b>Credits</b>
BIOL 223 Human Anatomy and Physiology I	4	SON 282B Sonographic Clinical Practicum III	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3	<b>TOTAL CREDITS</b> .....	<b>3</b>
PSC 101 Introduction to American Politics	4	<b>NINTH SEMESTER</b>	<b>Credits</b>
<b>TOTAL CREDITS</b> .....	<b>10</b>	SON 250B Seminar and Case Review I	2
<b>THIRD SEMESTER</b>	<b>Credits</b>	SON 260B Obstetrical Sonography II	3
PSY 101 General Psychology	3	SON 270B Small Parts/Pediatric Sonography	2
BIOL 224 Human Anatomy and Physiology II	4	SON 275B Vascular Sonography I	3
EGG 131 and EGG 131L; or PHYS 110 or above	4	SON 275L Vascular Sonography Laboratory II	1
HIT 117B Medical Terminology I	1	SON 283B Sonographic Clinical Practicum IV	3
<b>TOTAL CREDITS</b> .....	<b>12</b>	<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>	<b>TENTH SEMESTER</b>	<b>Credits</b>
<i>Application due to Limited Entry - Deadline is February 1st every year</i>		SON 255B Seminar and Case Review II	2
<b>FIFTH SEMESTER</b>	<b>Credits</b>	SON 276B Vascular Sonography II	3
SON 101B Basic Sonography	3	SON 276L Vascular Sonography Laboratory II	1
SON 101L Basic Sonography Laboratory	1	SON 284B Sonographic Clinical Practicum V	3
SON 150B Patient Care for Imaging Professions/Lab	3	SON 290B Sonography Registry Review	2
<b>TOTAL CREDITS</b> .....	<b>7</b>	<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>	<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>93 (97) - 97 (101)</b>
SON 125B Sonographic Physics and Instrumentation I	3		
SON 160B Sonographic Scanning Lab I	2		
SON 210B Abdominal Sonography I	3		
SON 235B Gynecologic Sonography	3		
SON 280B Sonographic Clinical Practicum I	2		
<b>TOTAL CREDITS</b> .....	<b>13</b>		

<sup>1</sup>This course is a prerequisite to BIOL 223.

# Diesel Heavy Equipment Master Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: DLS-AAS

## DESCRIPTION

The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. The program focuses both on over the road trucks as well as diesel powered heavy equipment typically used in the construction industry. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, hydraulics, and HVAC. All students will be prepared to take ASE certification exams at the completion of the appropriate course.

## STUDENT LEARNING OUTCOMES

- Prepare for employment in the Diesel Technology Industry as a Certified Technician.
- Prepare to take the following ASE/NATEF certification exams: ASE T2, ASE T3, ASE T4, ASE T5, ASE T6, ASE T7.
- Prepare for the IMACA refrigerant handling certification.
- Pass the SP2 safety and pollution prevention certification.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Recommended: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

Recommended: ENG 107 Technical Communications I

### COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

### NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

Recommended: COM 101 Oral Communication

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

DT 104	Diesel Equipment Service	4
DT 115	Diesel/Heavy Equipment Electrical Systems	4
DT 117	Advanced Diesel/Heavy Equipment Electronics	4
DT 136	Diesel Engine Repair I	4
DT 138	Diesel Engine Repair II	4
DT 145	Diesel Brake Systems	4
DT 150B	Diesel Hydraulics	4
DT 155	Steering, Suspension and Directional Controls	4
DT 165	Diesel/Heavy Equipment Heating and Air Conditioning	4
DT 205	Diesel/Heavy Equipment Drive Train and Axles	4

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
DT 104 Diesel Equipment Service	4
DT 115 Diesel/Heavy Equipment Electrical Systems <sup>1</sup>	4
DT 117 Advanced Diesel/Heavy Equipment Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>18</b>

SECOND SEMESTER	Credits
ENG 107 Technical Communications I	3
DT 136 Diesel Engine Repair I	4
DT 138 Diesel Engine Repair II <sup>3</sup>	4
DT 165 Diesel Heavy Equipment Heating and Air Conditioning	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AST 101 General Astronomy	3
DT 145 Diesel Brake Systems	4
DT 155 Steering, suspension and Directional Controls	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

FOURTH SEMESTER	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
DT 150B Diesel Hydraulics	4
DT 205 Diesel/Heavy Equipment Drive Train and Axles	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**.....**62**

- <sup>1</sup>Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.
- <sup>2</sup>Prerequisite DT 115 or Instructor approval. Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.
- <sup>3</sup>Prerequisite DT 136 or Instructor approval. Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





# Diesel Heavy Equipment Maintenance Technician

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: DLS-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, as well as hydraulics and HVAC. All students will be prepared to take ASE certification exams at the completion of the appropriate course. Integral to this program is a paid internship component, allowing students to gain valuable work experience prior to completion of their program, making them more employable.

## STUDENT LEARNING OUTCOMES

- Prepare for employment in the Diesel Technology Industry as a Maintenance Technician.
- Prepare to take the following ASE/NATEF certification Exams: ASE T4, ASE T6, and ASE T7.
- Pass the IMACA refrigerant handling certification.
- Pass the SP2 safety and pollution prevention certification.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3-5 credits)

Recommended: COM 115 Applied Communication

## SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

DT 104	Diesel Equipment Service	4
DT 115	Diesel/Heavy Equipment Electrical Systems	4
DT 117	Advanced Diesel/Heavy Equipment Electronics	4
DT 136	Diesel Engine Repair I	4
DT 145	Diesel Brake Systems	4
DT 150B	Diesel Hydraulics	4
DT 165	Diesel/Heavy Equipment Heating and Air Conditioning	4

Computation included in DT 115

Human Relations included in DT 104

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

### FIRST SEMESTER

	Credits
COM 115 Applied Communication	3
DT 104 Diesel Equipment Service	4
DT 115 Diesel/Heavy Equipment Electrical Systems <sup>1</sup>	4
DT 117 Advanced Diesel/Heavy Equipment Electronics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>15</b>

### SECOND SEMESTER

	Credits
DT 136 Diesel Engine Repair I	4
DT 145 Diesel Brake System	4
DT 150B Diesel Hydraulics	4
DT 165 Diesel Heavy Equipment Heating and Air Conditioning	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

**DEGREE PLAN TOTAL CREDITS**.....**31**

<sup>1</sup>Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.

<sup>2</sup>Prerequisite DT 115 or Instructor Approval Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Early Childhood Education**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECEEDUC-AA

**DESCRIPTION**

This degree is designed to provide for the first two years of college preparation for students wanting to be certified as early childhood teachers (preschool through second grade) who plan to become a paraprofessional (Instructional Aide) and/or in preparation for other early childhood careers.

**STUDENT LEARNING OUTCOMES**

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Early Childhood Education.
- Select technology tools for integration across the Early Childhood Education curriculum.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Early Childhood Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Early Childhood Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary early childhood education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 123 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab):

ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

Required: COM 101 and HIST 217

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

EDU 280 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (25 credits)**

ECE 232	Practicum: Infant and Toddler	3
ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3
ECE 252	Infant/Toddler Curriculum	3
ECE 260	Children's Literature	3
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1

**ELECTIVE (choose 1 credit)**

ECE 151	Math in the Preschool Curriculum	1
ECE 152	Science in the Preschool Curriculum	1
ECE 155	Literacy and the Young Child	1

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Early Childhood Education

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECEEDUC-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS English Composition p. 49	3-5
Complete Mathematics (see courses previous page)	3
COM 101 Oral Communication	3
EDU 214 Preparing Teachers to Use Technology	3
ECE 250 Introduction to Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS English Composition p. 49	3
Complete Natural Science <sup>1</sup> (With Lab - see courses previous page)	3-4
EDU 280 Valuing Cultural Diversity	3
ECE 251 Curriculum in Early Childhood Education	3
ECE 252 Infant/Toddler Curriculum	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS US/Nevada Constitutions <sup>2</sup> p. 50	4-6
EDU 220 Principles of Educational Psychology	3
ECE 260 Children's Literature	3
Complete Electives (see courses previous page)	1
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts (see courses previous page)	3
Complete Humanities <sup>3</sup> (see courses previous page)	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
EDU 299 Education Portfolio	1
ECE 232 Practicum: Infant and Toddler	3
Complete Natural Science (No Lab - see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-65</b>

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 and 102 or HIST 102 and 111 in the third semester.

<sup>3</sup>Under the "Humanities" heading on the General Education Requirements side, select from the choices that follow the sentence fragment "COM 101 and..."



**Early Childhood Education – Director**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ECEDIR-AAS

**DESCRIPTION**

The program is aimed at providing individuals with both the business knowledge needed for managing and/or owning a child care facility and the knowledge of children necessary to provide quality care.

**STUDENT LEARNING OUTCOMES**

- Manage the business aspects of a day care program, including record keeping, financial, and staff supervision.
- Implement a developmentally appropriate program for infants, toddlers, and preschoolers.
- Meet licensing requirements for being director of a preschool and/or infant/toddler program.
- Distinguish typical and atypical development in young children.
- Demonstrate appropriate skills in modifying the care and education of young children to allow for the appropriate inclusion of children with atypical development.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: ECE 202 Understanding Human Growth and Development

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 116, 117; GEOL 100 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

MGT 103	Introduction to Small Business Management	3
ECE 130	Infancy	3
ECE 200	The Exceptional Child	3
ECE 204	Principles of Child Guidance	3
ECE 231	Preschool Practicum	3
ECE 232	Practicum: Infant and Toddler	3
ECE 235	Adapting Curricula for Young Children with Special Needs	3
ECE 240	Administration of the Preschool	3
ECE 245	Practicum Seminar	2
ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3
ECE 252	Infant/Toddler Curriculum	3
ECE 274	Individual Child and Family	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Early Childhood Education – Director**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ECEDIR-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**Note: The following courses are not available every semester and should be taken when offered:**

**ECE 130, ECE 204, ECE 235<sup>1</sup>, ECE 240, ECE 274**

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
ECE 202 Understanding Human Growth and Development	3
ECE 250 Introduction to Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>12-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete Natural Science (see courses previous page)	3
ECE 200 The Exceptional Child	3
ECE 251 Curriculum in Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
ECE 252 Infant/Toddler Curriculum	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>2</sup> p. 51	4-6
MGT 103 Practical Human Relations for Business	3
ECE 231 Preschool Practicum	3-4
ECE 232 Practicum Infant and Toddler	3-4
ECE 245 Practicum Seminar <sup>3</sup>	2
<b>TOTAL CREDITS</b> .....	<b>15-19</b>

<b>COURSES TAKEN WHEN OFFERED</b>	<b>Credits</b>
Complete courses when offered - see note at top of page	15

**DEGREE PLAN TOTAL CREDITS**..... **60-67**

<sup>1</sup>Prerequisite for this course is ECE 200 and ECE 251.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and HIST 102 or 217 in the fourth semester.

<sup>3</sup>ECE 245 must be taken concurrently with ECE 231 or 232.



## Early Childhood Education – Early Care and Education

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ECEECE-AAS

**PROGRAM DESCRIPTION**

The Associate of Applied Science degree in Early Childhood Education – Child Care and Education is designed for students seeking careers and/or personal growth in the field of early childhood education. The program provides students with both theoretical and practical skills needed to work in an infant/toddler, preschool setting, family day care, child care center, or in other child centered jobs. Upon completion of this degree, students may go directly into employment.

**STUDENT LEARNING OUTCOMES**

- Discuss the elements and dynamics of quality education and care for young children ages 0-5.
- Demonstrate appropriate skills for providing quality education and care for young children ages 0-5.
- Demonstrate appropriate skills in interacting with young children ages 0-5 and their families.
- Distinguish typical and atypical development in young children ages 0-5.
- Demonstrate appropriate skills in modifying the care and education of young children ages 0-5 to allow for the appropriate inclusion of those with atypical development.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

Required: ECE 202 Understanding Human Growth and Development

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 116, 117; GEOL 100 or above

**FINE ARTS/HUMANITIES/ SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (33 credits)**

ECE 122	Observation Skills	1
ECE 130	Infancy	3
ECE 154	Literature for Preschool Children	1
ECE 155	Literacy and the Young Child	1
ECE 156	Music in the Preschool Curriculum	1
ECE 157	Art in the Preschool Curriculum	1
ECE 158	Activities for Physical Development in Young Children	1
ECE 162	Teaching the TwoYear Old	1
ECE 200	The Exceptional Child	3
ECE 204	Principles of Child Guidance	3
ECE 235	Adapting Curricula for Young Children with Special Needs	3
ECE 245	Practicum Seminar	2
ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3
ECE 252	Infant/Toddler Curriculum	3
ECE 274	Individual Child and Family	3
<b>ELECTIVES (choose 5 credits from the following)</b>		
ECE 127	Role Play for Infants and Toddlers	1
ECE 134	Guiding Infant/Toddlers	1
ECE 151	Math in the Preschool Curriculum	1
ECE 152	Science in Preschool Curriculum	1
ECE 231	Preschool Practicum	3
ECE 232	Practicum: Infant and Toddler	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Early Childhood Education – Early Care and Education**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ECEECE-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**Note: The following courses are not available every semester and should be taken when offered:**

**ECE 122, ECE 127, ECE 130, ECE 134, ECE 151, ECE 152, ECE 154, ECE 155, ECE 156, ECE 157, ECE 158, ECE 204, ECE 235<sup>1</sup>, and ECE 274**

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
Complete Communications (see courses previous page)	3
ECE 202 Understanding Human Growth and Development	3
ECE 250 Introduction to Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>2</sup> p. 51	4-6
Complete AAS Natural Science (see courses previous page)	3
ECE 200 The Exceptional Child	3
ECE 251 Curriculum in Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Soc. Sci. (see courses previous page)	3
ECE 252 Infant/Toddler Curriculum	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ECE 231 or ECE 232	3-4
ECE 245 Practicum Seminar <sup>3</sup>	2
<b>TOTAL CREDITS</b> .....	<b>5-6</b>

<b>COURSES TAKEN WHEN OFFERED</b>	<b>Credits</b>
Courses completed when offered -See note at top of page <sup>4</sup>	19
Courses completed when offered -See note at top of page <sup>4,5</sup>	2
<b>TOTAL CREDITS</b> .....	<b>21</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>Prerequisite for this course is ECE 200 and ECE 251.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third semester.

<sup>3</sup>ECE 245 must be taken concurrently with ECE 231 or 232.

<sup>4</sup>Take either ECE 151 and 152; or 127 and 134.



**Early Childhood Education – Infant/Toddler Education**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ECETOD-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Infant/Toddler Certificate in Early Childhood Education provides students with both the theoretical knowledge and practical skills training necessary for the care of infants and toddlers in family day care homes or child care centers. This certificate enables students to meet Nevada State licensing requirements for Infant Toddler Director.

**STUDENT LEARNING OUTCOMES**

- Demonstrate an understanding of the elements and dynamics of quality education and care for infants and toddlers.
- Demonstrate appropriate skills for providing quality education and care for infants and toddlers.
- Demonstrate appropriate skills in interacting with infants and toddlers and their families.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above

**COMMUNICATIONS (6-8 credits)**

3-5 credits from the following:

BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102

**Plus 3 credits from the following:**

COM 101 or 102 or 215

**SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)**

ECE 127	Role of Play for Infants and Toddlers	1
ECE 130	Infancy	3
ECE 134	Guiding Infant/Toddlers	1
ECE 155	Literacy and the Young Child	1
ECE 156	Music in the Preschool Curriculum	1
ECE 157	Art in the Preschool Curriculum	1
ECE 162	Teaching the Two-Year Old	1
ECE 200	The Exceptional Child	3
ECE 202	Understanding Human Growth and Development	3
ECE 204	Principles of Child Guidance	3
ECE 252	Infant/Toddler Curriculum	3

Computation included in MATH 104B or above

Human Relations included in ECE 202

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete Communications <sup>1</sup> (see courses this page)	3-5
ECE 127 Role Play for Infants and Toddlers	1
ECE 130 Infancy	3
ECE 156 Music in the Preschool Curriculum	1
ECE 157 Art in the Preschool Curriculum	1
ECE 202 Understanding Human Growth and Development	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications <sup>2</sup> (see courses this page)	3
ECE 134 Guiding Infant/Toddlers	1
ECE 155 Literacy and the Young Child	1
ECE 162 Teaching the Two-Year Old	1
ECE 200 The Exceptional Child	3
ECE 204 Principles of Child Guidance	3
ECE 252 Infant/Toddler Curriculum	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**.....**30-32**

<sup>1</sup>Choose from BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102

<sup>2</sup>Choose from COM 101 or COM 102 or COM 215

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Early Childhood Education – Preschool Education**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ECEPRE-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Preschool Education Certificate in Early Childhood Education provides students with both the theoretical knowledge and practical skills training necessary for students working in a preschool setting, family day care home, or child care center. This certificate enables students to meet Nevada State licensing requirements for Preschool Director.

**STUDENT LEARNING OUTCOMES**

- Demonstrate an understanding of the elements and dynamics of quality education and care for young children.
- Demonstrate appropriate skills for providing quality education and care for young children.
- Demonstrate appropriate skills in interacting with young children and their families.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above

**COMMUNICATIONS (6-8 credits)**

3-5 credits from the following:

BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102

**Plus 3 credits from the following:**

COM 101 or 102 or 215

**SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)**

ECE 151	Math in the Preschool Curriculum	1
ECE 152	Science in the Preschool Curriculum	1
ECE 155	Literacy and the Young Child	1
ECE 156	Music in the Preschool Curriculum	1
ECE 157	Art in the Preschool Curriculum	1
ECE 158	Activities for Physical Development in Young Children	1
ECE 200	The Exceptional Child	3
ECE 202	Understanding Human Growth and Development	3
ECE 204	Principles of Child Guidance	3
ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3

Computation included in MATH 104B or above

Human Relations included in ECE 202

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete Communications <sup>1</sup> (see courses this page)	3-5
ECE 156 Music in the Preschool Curriculum	1
ECE 157 Art in the Preschool Curriculum	1
ECE 158 Activities for Physical Development in Young Children	1
ECE 202 Understanding Human Growth and Development	3
ECE 250 Introduction to Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
Complete Communications <sup>2</sup> (see courses this page)	3
ECE 151 Math in Preschool Curriculum	1
ECE 152 Science in the Preschool	1
ECE 155 Literacy and the Young Child	1
ECE 200 The Exceptional Child	3
ECE 204 Principles of Child Guidance	3
ECE 251 Curriculum in Early Childhood Education	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **30-32**

<sup>1</sup>Choose from BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102

<sup>2</sup>Choose from COM 101 or COM 102 or COM 215

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Economics**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECONGE-AA

**DESCRIPTION**

The Economics degree builds upon a theoretical foundation and statistical training that prepares students to think analytically and critically to solve complex problems, as well as to recognize the component of human behavior reflecting economics as a social science. The Associate of Arts Degree with an Economics Emphasis offers the choice between a General Economics track and an Applied Financial Economics (AFE) track. The General Economics is a general transfer program for students who are planning to transfer to a baccalaureate-level program. The AFE program will assist in preparing for a multitude of investment and risk management licenses for those seeking to continue in that path. Completion of the AFE track will include an Internship in Financial Economics with interactive participation of financial institutions.

**STUDENT LEARNING OUTCOMES**

- Distinguish between alternative forms of market structure and their resulting social impact.
- Utilize the language of economics to form reasoned judgments about contemporary issues.
- Interpret and manipulate economic data.
- Create an individual financial plan that utilizes investment science and risk management to optimize decision making processes.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 124 College Algebra (with a C or better)

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses (with a C or better)

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**HUMANITIES (6 credits)**

COM 101; and one course from the following:

ENG 223 or above; HIST; PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

Recommended: ECON 180 The Economics of Discrimination

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (15 credits)**

ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
ECON 180	The Economics of Discrimination	3
ECON 261	Principles of Statistics I	3
ECON 262	Principles of Statistics II	3
<b>Choose one from the following (3 credits)</b>		
ECON 295	Special Topics in Economics	3
MATH 132	Finite Mathematics (or above)	3

**SOCIAL SCIENCE/WORLD LANGUAGES (8-9 credits)**

Nine credits from at least two different disciplines:

ANTH (except 102); GLO; PSC 200 or above; PSY; SOC; WMST 113;  
or 8 credits in two courses in the same language

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Economics

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECONGE-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 124 College Algebra <sup>1</sup>	3
ENG 100 or 101 or 113 <sup>1</sup>	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114 <sup>1</sup>	3
Complete AA/AS/AB Natural Science <sup>2</sup> (with lab) p. 50	3-4
Complete Social Science/World Languages <sup>3</sup> (see courses previous page)	4
ECON 102 Principles of Microeconomics	3
Complete Humanities <sup>4</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science (no lab) p. 50	3
Complete AA/AB/AS Literature p. 49	3
Complete Social Science/World Languages <sup>3</sup> (see courses previous page)	4
ECON 103 Principles of Macroeconomics	3
ECON 261 Principles of Statistics	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS US/Nevada Constitutions <sup>5</sup> p. 50	4-6
ECON 180 The Economics of Discrimination <sup>6</sup>	3
ECON 262 Principles of Statistics II	3
ECON 295 or MATH 132	3
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**<sup>1</sup>Must complete course with a C or higher.<sup>2</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.<sup>3</sup>If completing Social Science then choose 9 credits from at least two different disciplines (completing courses in semesters 2, 3 & 4); if completing World Languages then choose 8 credits in two courses from the same language; this degree plan reflects completing the World Languages courses.<sup>4</sup>Use the course list that follows "COM 101 and one course from the following"<sup>5</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester, and take HIST 102 or 217 in the 4th semester.<sup>6</sup>ECON 180 also counts for the Values and Diversity General Education requirement.

**Economics – Applied Financial Economics**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECONAFE-AA

**DESCRIPTION**

The Economics degree builds upon a theoretical foundation and statistical training that prepares students to think analytically and critically to solve complex problems, as well as to recognize the component of human behavior reflecting economics as a social science. The Associate of Arts Degree with an Economics Emphasis offers the choice between a General Economics track and an Applied Financial Economics (AFE) track. The General Economics is a general transfer program for students who are planning to transfer to a baccalaureate-level program. The AFE program will assist in preparing for a multitude of investment and risk management licenses for those seeking to continue in that path. Completion of the AFE track will include an Internship in Financial Economics with interactive participation of financial institutions.

**STUDENT LEARNING OUTCOMES**

- Distinguish between alternative forms of market structure and their resulting social impact.
- Utilize the language of economics to form reasoned judgments about contemporary issues.
- Interpret and manipulate economic data.
- Create an individual financial plan that utilizes investment science and risk management to optimize decision making processes.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 124 College Algebra (with a C or better)

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses (with a C or better)

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**HUMANITIES (6 credits)**

COM 101; **and** one course from the following:

ENG 223 or above; HIST; PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (18 credits)**

ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
ECON 261	Principles of Statistics I	3
ECON 274	Investment Economics	3
ECON 275	Risk Management Economics	3
ECON 276	Internship in Financial Economics	3

**SOCIAL SCIENCE/WORLD LANGUAGES (8-9 credits)**

Nine credits from at least two different disciplines:

ANTH (except 102); GLO; PSC 200 or above; PSY; SOC; WMST 113;  
**or** 8 credits in two courses in the same language

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Economics – Applied Financial Economics**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECONAFE-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 124 College Algebra <sup>1</sup>	3
ENG 100 or 101 or 113 <sup>1</sup>	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114 <sup>1</sup>	3
Complete AA/AS/AB Natural Science <sup>2</sup> (with lab) p. 50	3-4
Complete Social Science/World Languages <sup>3</sup> (see courses previous page)	4
ECON 102 Principles of Microeconomics	3
Complete Humanities <sup>4</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science (no lab) p. 50	3
Complete AA/AB/AS Literature p. 49	3
ECON 103 Principles of Macroeconomics	3
ECON 261 Principles of Statistics	3
ECON 274 Investment Economics	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS US/Nevada Constitutions <sup>5</sup> p. 50	4-6
ECON 275 Risk Management Economics	3
ECON 276 Internship in Financial Economics	3
Complete Social Science/World Languages <sup>3</sup> (see courses previous page)	4
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>63-65</b>

Please Note: Students seeking an AA degree must also complete the General Education Values and Diversity requirement. See the list of choices on p. 48. Courses that satisfy the Values and Diversity requirement may also be used to satisfy a corresponding General Education or Special Programs requirement.

<sup>1</sup>Must complete course with a C or higher.

<sup>2</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>3</sup>If completing Social Science then choose 9 credits from at least two different disciplines (completing courses in semesters 2, 3 & 4); if completing World Languages then choose 8 credits in two courses from the same language; this degree plan reflects completing the World Languages courses.

<sup>4</sup>Use the course list that follows “COM 101 and one course from the following”

<sup>5</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester, and take HIST 102 or 217 in the 4th semester.



**Elementary Education**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ELEM-AA

**DESCRIPTION**

This degree is designed to provide for the first two years of college preparation for students wanting to become elementary education teachers and/or who plan to become a paraprofessional (Instructional Aide).

**STUDENT LEARNING OUTCOMES**

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Elementary Education.
- Select technology tools for integration across the curriculum in Elementary Education.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Elementary Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Elementary Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary elementary education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (35 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (7 credits)**

Required: BIOL 101 and GEOG 103

**HUMANITIES (6 credits)**

Required: COM 101 and HIST 217

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (24 credits)**

CHEM 105	Chemistry, Man and Society	3
EDU 201	Introduction to Elementary Education	3
EDU 203	Introduction to Special Education	3
EDU 210	Nevada School Law	2
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1
MATH 122	Number Concepts for Elementary School Teachers	3

**ELECTIVE (choose 1 transferable credit)**

Recommended courses include

CHEM 106	Beginning Chemistry Laboratory	1
GEOG 104	Physical Geography Laboratory	1

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Elementary Education

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ELEM-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS English Composition p. 49	3-5
Complete Mathematics (see courses previous page)	3
COM 101 Oral Communication	3
EDU 214 Preparing Teachers to Use Technology	3
EDU 201 Introduction to Elementary Education	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS English Composition p. 49	3
BIOL 101 Biology for Non-Majors	4
Complete US/Nevada Constitutions <sup>1</sup> (see courses previous page)	4-6
EDU 203 Introduction to Special Education	3
EDU 210 Nevada School Law	2
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
GEOG 103 Physical Geography	3
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Fine Arts p. 50	3
EDU 220 Principles of Educational Psychology	3
EDU 280 Valuing Cultural Diversity	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
HIST 217 Nevada History	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
CHEM 105 Chemistry, Man and Society	3
MATH 122 Number Concepts for Elementary School Teachers	3
EDU 299 Education Portfolio	1
Complete Electives (see courses previous page)	1
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-64</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and take HIST 102 in the 4th semester.



## Secondary Education - Humanities and Fine Arts

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: SECEDHU-AA

### DESCRIPTION

This degree is designed to provide for the first two years of college preparation for students wanting to become secondary education teachers and/or who plan to become a paraprofessional (Instructional Aide).

### STUDENT LEARNING OUTCOMES

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Secondary Education.
- Select technology tools for integration across the curriculum in Secondary Education.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Secondary Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Secondary Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary Secondary Education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

#### MATHEMATICS (3 credits)

MATH 120 or above

#### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

#### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

#### ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 50 for courses

#### NATURAL SCIENCE (6-7 credits)

(Two courses from the following, one must include a lab):

ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

#### SOCIAL SCIENCE (9 credits)

(Nine credits must be from three different disciplines):

ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

#### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### CORE REQUIREMENTS (15 credits)

EDU 202	Introduction to Secondary Education	3
EDU 210	Nevada School Law	2
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1

#### ELECTIVES (choose 11 transferable credits)

See a counselor to select courses

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

#### FIRST SEMESTER

	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 49	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

#### SECOND SEMESTER

	Credits
Complete AA/AB/AS English Composition p. 49	3
Complete AA/AB/AS Natural Science (No Lab - see courses this page)	3
Complete Social Science <sup>1</sup> (see courses this page)	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity <sup>2</sup>	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

#### THIRD SEMESTER

	Credits
Complete AA/AB/AS Natural Science <sup>3</sup> (With Lab - see courses this page)	3-4
Complete Social Science <sup>1</sup> (see courses this page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>4</sup> p. 50	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

#### FOURTH SEMESTER

	Credits
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete Social Science <sup>1</sup> (see courses this page)	3
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	2
<b>TOTAL CREDITS</b> .....	<b>12</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>Select one course from three different disciplines.

<sup>2</sup>EDU 280 also covers your Values and Diversity General Education Requirement.

<sup>3</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>4</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester, and HIST 102 in the fourth semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Secondary Education - Life and Physical Science

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: SEDUCLPSAA

### DESCRIPTION

This degree is designed to provide for the first two years of college preparation for students wanting to become secondary education teachers and/or who plan to become a paraprofessional (Instructional Aide).

### STUDENT LEARNING OUTCOMES

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Secondary Education.
- Select technology tools for integration across the curriculum in Secondary Education.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Secondary Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Secondary Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary Secondary Education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

#### MATHEMATICS (3 credits)

MATH 120 or above

#### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

#### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

#### HUMANITIES (6 credits)

Required: COM 101 and HIST 217

#### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

#### SOCIAL SCIENCE (9 credits)

(Nine credits must be from three different disciplines):

ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

#### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### CORE REQUIREMENTS (15 credits)

EDU 202	Introduction to Secondary Education	3
EDU 210	Nevada School Law	2
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1

#### ELECTIVES (choose 11 transferable credits)

See a counselor to select courses

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 49	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 49	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

THIRD SEMESTER	Credits
HIST 217 Nevada History	3-4
Complete Social Science <sup>2</sup> (see courses this page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>3</sup> p. 50	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 49	3
Complete Social Science <sup>2</sup> (see courses this page)	6
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	5
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>EDU 280 also covers your Values and Diversity General Education Requirement.

<sup>2</sup>Select one course from three different disciplines.

<sup>3</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and 102 in the fourth semester.

**NOTE** • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.

• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).

• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.

• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Secondary Education - Social Science or Other Fields

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: SEDUCSS-AA

### DESCRIPTION

This degree is designed to provide for the first two years of college preparation for students wanting to become secondary education teachers, and/or who plan to become a paraprofessional (Instructional Aide).

### STUDENT LEARNING OUTCOMES

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Secondary Education.
- Select technology tools for integration across the curriculum in Secondary Education.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Secondary Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Secondary Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary Secondary Education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

#### MATHEMATICS (3 credits)

MATH 120 or above

#### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

#### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

#### ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 50 for courses

#### NATURAL SCIENCE (6-7 credits)

(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

#### HUMANITIES (6 credits)

Required: COM 101 and HIST 217

#### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

#### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### CORE REQUIREMENTS (15 credits)

EDU 202	Introduction to Secondary Education	3
EDU 210	Nevada School Law	2
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1

#### ELECTIVES (choose 11 transferable credits)

See a counselor to select courses

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 49	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 49	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 50	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity <sup>1</sup>	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science (No Lab - see courses this page)	3
HIST 217 Nevada History	3
Complete AA/AB/AS US/Nevada Constitutions <sup>2</sup> p. 50	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-19</b>

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete AA/AB/AS Natural Science <sup>3</sup> (With Lab - see courses this page)	3-4
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	2
<b>TOTAL CREDITS</b> .....	<b>12-13</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-66**

<sup>1</sup>EDU 280 also covers your Values and Diversity General Education Requirement.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and 102 in the fourth semester.

<sup>3</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Special Education**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ECESPEC-AA

**DESCRIPTION**

This degree is designed to provide for the first two years of college preparation for students wanting to become special education teachers, and/or who plan to become a paraprofessional (Instructional Aide).

**STUDENT LEARNING OUTCOMES**

- Apply the dimensions of multicultural education to support appropriate pedagogical practices for teaching diverse students in Special Education.
- Select technology tools for integration across the curriculum in Special Education.
- Synthesize the major theoretical perspectives and methods of educational psychology to teaching, learning, and schooling in Special Education.
- Choose formative and summative techniques for evaluation and modification with group and individual instruction and learning strategies in Special Education.
- Evaluate the historical, legal, and philosophical foundations and issues related to contemporary Special Education.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab)

ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

Required: COM 101 and HIST 217

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (15 credits)**

EDU 203	Introduction to Special Education	3
EDU 210	Nevada School Law	2
EDU 214	Preparing Teachers to Use Technology	3
EDU 220	Principles of Educational Psychology	3
EDU 280	Valuing Cultural Diversity	3
EDU 299	Education Portfolio	1

**ELECTIVES (choose 11 credits)**

See a counselor to select transferable credits

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

**FIRST SEMESTER**

Complete AA/AB/AS English Composition p. 49	Credits	3-5
Complete Mathematics (see courses this page)		3
COM 101 Oral Communication		3
EDU 203 Introduction to Special Education		3
EDU 214 Preparing Teachers to Use Technology		3
<b>TOTAL CREDITS</b> .....		<b>15-17</b>

**SECOND SEMESTER**

Complete AA/AB/AS English Composition p. 49	Credits	3
Complete AA/AB/AS Natural Science (No Lab - see courses this page)		3
Complete AA/AB/AS US/Nevada Constitutions <sup>1</sup> p. 50		4-6
EDU 210 Nevada School Law		2
EDU 280 Valuing Cultural Diversity		3
<b>TOTAL CREDITS</b> .....		<b>15-17</b>

**THIRD SEMESTER**

HIST 217 Nevada History	Credits	3
Complete AA/AB/AS Literature p. 49		3
Complete AA/AB/AS Natural Science <sup>2</sup> (With Lab - see courses this page)		3-4
EDU 220 Principles of Educational Psychology		3
Complete Electives (see courses this page)		3
<b>TOTAL CREDITS</b> .....		<b>15-16</b>

**FOURTH SEMESTER**

Complete AA/AB/AS Analytical Reasoning p. 50	Credits	3
Complete AA/AB/AS Fine Arts p. 50		3
EDU 299 Education Portfolio		1
Complete Electives (see courses this page)		8
<b>TOTAL CREDITS</b> .....		<b>15</b>

**DEGREE PLAN TOTAL CREDITS..... 60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 in the 4th semester.

<sup>2</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Electronics – Bench Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETBT-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Engineering Technology with Electronics – Bench Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, telecommunications, microprocessor programming and interface, and in-depth analysis of analog and digital circuits. Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in bench repair functions. Instruction takes place in a hands-on, state-of-the-art environment.

**Educational Objectives - Within a few years of graduation:** Graduates from CSN's Engineering Technology with Electronics – Bench Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
- Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier's frequency response.
- Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
- Demonstrate commitment to quality, timeliness, continuous improvement, professional ethics, and respect for diversity, while showing an understanding of the need for and an ability to engage in continuing professional development.
- Demonstrate a working knowledge of common modulation/transmission methods to include such as AM, FM and Pulse modulation. The Bench concentration will also focus upon more advanced analog/digital circuits.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 127 or above

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

Choices: ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and 132

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (38 credits)**

ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 213B	Digital Logic II	4
ET 220B	Solid State Devices and Circuits I	4
ET 222B	Solid State Devices and Circuits II	4
ET 228B	Data Acquisition	3
ET 282B	Microprocessors I	3
ET 293B	Telecommunication Transmission Methods	3
<b>Digital Literacy Requirement (0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Electronics – Bench Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETBT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
ALS 101 College Success	3
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
ET 106B Test Equipment Operation	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>14-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
ET 213B Digital Logic II	4
ET 282B Microprocessors I	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
EGG 132 Technical Physics II	4
Complete AAS Fine Arts/Humanities/Social Science p.51	3
ET 222B Solid State Devices and Circuits II	4
ET 293B Telecommunications Transmission Methods	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>65-70</b>



**Engineering Technology – Electronics – Biomedical Equipment Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

DEGREE CODE: ETBET-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Engineering Technology with Electronics – Biomedical Equipment Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, microprocessor programming and interface, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in biomedical equipment repair functions. Instruction takes place in a hands-on, state-of-the-art environment.

**Educational Objectives - Within a few years of graduation:** Graduates from CSN's Engineering Technology with Electronics – Biomedical Equipment Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
- Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier's frequency response.
- Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
- Demonstrate commitment to quality, timeliness, continuous improvement, professional ethics, and respect for diversity while showing an understanding of the need for and an ability to engage in continuing professional development.
- Characterize the computers/networks used in the healthcare industry, demonstrate an ability to explain fluid dynamics, common medical terminology, health-care dynamics, and the fundamentals functional characteristics of the human body.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 127 or above

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

Choices: ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and 132

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (45 CREDITS)****CORE REQUIREMENTS (42 credits)**

CIT 112B	Network+	3
CIT 114B	IT Essentials	4
ET 104B	Fabrication and Soldering Techniques	2
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 220B	Solid State Devices and Circuits I	4
ET 228B	Data Acquisition	3
ET 282B	Microprocessors I	3
HHP 123B	Introduction to the Human Body	4
HIT 105B	Healthcare Delivery Systems	3
HIT 118B	Language of Medicine	3
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Electronics – Biomedical Equipment Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

DEGREE CODE: ETBET-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
ALS 101 College Success	3
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
CIT 114B IT Essentials	4
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
Complete AAS Fine Arts/Humanities/Social Science p.51	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
EKG 131 and 131L	4
PSC 101 Introduction to American Politics	4
CIT 112B Network+	3
HHP 123B Introduction to the Human Body	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
EKG 132 Technical Physics II	4
ET 282B Microprocessors I	3
MUS 231 Recording Techniques I	3
HIT 105B Healthcare Delivery Systems	3
HIT 118B Language of Medicine	3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>72-77</b>



**Engineering Technology – Electronics – Defense Contractor Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: ETDCT-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Engineering Technology with Electronics – Defense Contractor Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, telecommunications, microprocessor programming-interfacing, in-depth analysis of analog and digital circuits, computer fundamentals, and network fundamentals. Specialized electives for topics such as test equipment, in-depth analysis of electrical and power supply troubleshooting, radar systems, and microwave systems are offered. Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in defense contractor functions. Instruction takes place in a hands-on, state-of-the-art environment.

**Educational Objectives - Within a few years of graduation:** Graduates from CSN's Engineering Technology with Electronics – Defense Contractor Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
- Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier's frequency response.
- Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
- Demonstrate commitment to quality, timeliness, continuous improvement, professional ethics, and respect for diversity while showing an understanding of the need for and an ability to engage in continuing professional development.
- Demonstrate a working knowledge of common modulation/transmission methods to include such as AM, FM and Pulse modulation. The Defense Contractor will focus upon circuit repair along with systems such as radar.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 127 or above

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

Choices: ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: ALS 101 College Success

Recommended: HIST 106 European Civilization Since 1648

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and ET 131B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)****CORE REQUIREMENTS (37 credits)**

CIT 112B	Networking +	3
CIT 114B	IT Essentials	4
CIT 173	Introduction to Linux	3
ET 104B	Fabrication and Soldering Techniques	2
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 213B	Digital Logic II	4
ET 220B	Solid State Devices and Circuits I	4
ET 228B	Data Acquisition	3
ET 282B	Microprocessors I	3
ET 293B	Telecommunication Transmission Methods	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ET Electives (choose 3-4 credits)**

ET 106B	Test Equipment Operation	3
ET 113B	Introduction to Radar	3
ET 125B	RF and Microwave Devices	3
ET 205B	Power Supply Theory and Repair	3
ET 206B	Video Monitor Theory and Repair (or above - up to ET 285B)	1-4
ET 289B	Electrical Troubleshooting	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Engineering Technology – Electronics – Defense Contractor Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: ETDCT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ALS 101 College Success	3
CIT 114B IT Essentials	4
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
CIT 112 Network+	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>14-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
<b>TOTAL CREDITS</b> .....	<b>7</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
CIT 173 Introduction to Linux	3
ET 213B Digital Logic II	4
ET 282B Microprocessors I	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
Complete AAS Fine Arts/Humanities/Social Science p.51	3
ET 293B Telecommunications Transmission Methods	3
PSC 101 Introduction to American Politics	4
Complete Electives (see courses previous page)	3-4
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

**DEGREE PLAN TOTAL CREDITS**..... **67-75**

**Engineering Technology – Electronics**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: ETELEC-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

Upon successful completion of this certificate program, students will be prepared for an entry-level position providing support in industry. Instruction includes both analog and digital design and testing of electronic circuits, devices and systems, telecommunications and data-communications.

**STUDENT LEARNING OUTCOMES**

- Develop a working knowledge of safety procedures, use of common hand tools, and proper fabrication techniques associated with the electronics environments, identify passive components, construct, and test various DC and AC circuits.
- Construct, analyze and test various types of digital circuits using Boolean expressions, Karanaugh maps and general purpose test equipment.
- Develop a working knowledge of microcomputers and microprocessors to include writing an assembly language program to output a sinusoidal wave, square wave, and triangular wave to an output port.
- Identify active analog components, design, construct, and test various DC and AC circuits using operational amplifiers construct a Bode Plot of an amplifier’s frequency and phase response.
- Show positive work ethics and interpersonal skills in a group environment.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

**MATHEMATICS (3 credits)**

Required: ET 111B Mathematics for Electronics Applications

**COMMUNICATIONS (3-5 credits)**

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 220B	Solid State Devices and Circuits I	4
ET 228B	Data Acquisition	3
ET 282B	Microprocessors I	3

Computation included in ET 111B

Human Relations included in ET 131B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

	<b>Credits</b>
<b>FIRST SEMESTER</b>	
ET 111B Mathematics for Electronics Applications	3
ET 106B Test Equipment Operation	3
ET 131B DC for Electronics	4
ET 104B Fabrication and Soldering Techniques	2
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>SECOND SEMESTER</b>	
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>THIRD SEMESTER</b>	
ET 220B Solid State Devices and Circuits I	4
ET 228B Data Acquisition	3
ET 282B Microprocessors I	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>33</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Industrial**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: ETINDU-AAS

**DESCRIPTION**

This program provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Industrial Emphasis focuses on those skills used in industrial settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Ensure the level of knowledge and ability to select, test, set up, and maintain various electro-mechanical systems and machinery and perform basic system calculations.
- Construct, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Demonstrate knowledge and skills in basic mathematical calculations, communication, and teamwork concepts.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 116 or 124 or 126 or 127

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Choices: BUS 108 or COM 101 or 115

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and either ET 131B or MT 102B

Recommended (for “and either” portion of required): MT 102B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)****CORE REQUIREMENTS (34 credits)**

ADT 100B	Introduction to Drafting Theory	3
CADD 100	Introduction to Computer Aided Drafting	3
CIT 119B	Business Data Networks	3
CONS 120B	Construction Plans and Specifications	3
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.***FIRST SEMESTER**

	Credits
MATH 116 Technical Mathematics	3
ALS 101 College Success	3
MT 102B Fundamentals of Electricity	4
ADT 100B Introduction to Drafting Theory	3
CONS 120B Construction Plans and Specifications	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

**SECOND SEMESTER**

	Credits
Complete AAS English Composition p. 50	3-5
CIT 119B Business Data Networks	3
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>14-19</b>

**THIRD SEMESTER**

	Credits
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>4</b>

**FOURTH SEMESTER**

	Credits
CADD 100 Introduction to Computer Aided Drafting	3
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controller I	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

**FIFTH SEMESTER**

	Credits
Complete AAS Fine Arts/Humanities/Social Science p.51	3
COM 115 Applied Communication	3
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-66**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Industrial**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: ETINDU-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology, Industrial Emphasis is an 18-month program that provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The industrial emphasis focuses on those skills used in industrial settings. Courses include Industrial Electricity, Mechanical Power Transmission and Programmable Logic Controllers.

**STUDENT LEARNING OUTCOMES**

- Show the knowledge and demonstrate the ability to select, test, set up, and maintain various electromechanical systems and machinery and perform basic system calculations.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Assemble, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Show the ability and skills to prepare technical reports and communicate the results through effective oral communications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)****CORE REQUIREMENTS (29 credits)**

CADD 100	Introduction to Computer Aided Drafting	3
CIT 119B	Business Data Networks	3
MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in MT 102B, 104B

Human Relations included in MT 115B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
CIT 119B Business Data Networks	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS.....</b>	<b>14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 115B Programmable Logic Controllers I	3
<b>TOTAL CREDITS.....</b>	<b>11</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
IS 100B or IS 101 <sup>1</sup>	0-3
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
CADD 100 Introduction to Computer Aided Drafting	3
<b>TOTAL CREDITS.....</b>	<b>7-10</b>
<b>DEGREE PLAN TOTAL CREDITS.....</b>	<b>32-35</b>

<sup>1</sup>IS 100B is a certification test, if certification test isn't passed, student must take IS 101. The student can always bypass IS 100B and just take IS 101.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Management**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: ETMGT-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology - Management Emphasis is designed for students who hold an associate degree in Engineering Technology with Emphasis in either Electronics, Telecommunications, or Slot and Self-Service Device Technology. This certificate is intended for students who wish to develop their managerial, technical, and employability skills beyond a two-year degree in Engineering Technology and fulfill the growing demand for entry-level engineering technologists. This certificate is a 12- to 18-month program. It is also used for the third year of a 3 + 1 path to a bachelor's degree (see a counselor for which associate degrees fulfill this requirements for the 3 + 1 the programs with other schools).

**STUDENT LEARNING OUTCOMES**

- Demonstrate advanced technical proficiency in general engineering technology.
- Demonstrate skills in leadership, resource management, quality assurance, and productivity analysis.
- Incorporate work-based experience gained from ET course work, internships, and other employment-focused activities.
- Recommend best practices in service and support.
- Evaluate project performance from a management perspective.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****COMMUNICATIONS (3 credits)**

Required: ENG 102 Composition II

**Plus 3 Credits (3 credits)**

Recommended: COM 115 Applied Communications

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (3 credits)**

ET 494 Senior Project 3

**Electives #1 (choose 18 credits)**

CIT 319	Managing Business Data Networks	3
CIT 363	Advanced Project Management and Earned Value	3
ET 301	Customer Service Management	3
ET 313	Advanced Radar	3
ET 389	Advanced Electronics Troubleshooting	3
ET 410	Business Telecommunications	3
ET 420	Control Systems	3
ET 430	Electrical Power Systems	3

**Electives #2 (choose 6 credits)**

Select 6 credits from the following that were NOT used for your AAS degree.  
CIT; CPE; CSCO; EE; EGG; ET; MATH 124 or higher; PHYS; MT 104B, 115B, 116B

Computation included in ET 494

Human Relations included in ET 494

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
ENG 102 Composition II	3
Complete Electives #1 (see courses this page)	9
<b>TOTAL CREDITS</b> .....	<b>12</b>
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
Complete Electives #1 (see courses this page)	6
Complete Electives #2 (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
THIRD SEMESTER	Credits
ET 494 Senior Project	3
Complete Electives #1 (see courses this page)	3
Complete Electives #2 (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>33</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Operations**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETOPER-AAS

**DESCRIPTION**

This degree provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Operations Emphasis focuses on those skills used in operational settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
- Explain and show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
- Apply the skills and knowledge to various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
- Utilize knowledge and skills in mathematics, written and oral communication, and teamwork.
- Demonstrate skills necessary for further education and managerial positions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 116 or 124 or 126 or 127

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Choices: BUS 108 or COM 101 or 115

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and either ET 131B or MT 102B

Recommended (for “and either” portion of required): MT 102B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)****CORE REQUIREMENTS (33 credits)**

AC 103B	Introduction to HVAC Mechanical Theory and Application	5
CIT 119B	Business Data Networks	3
CONS 120B	Construction Plans and Specifications	3
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3
<b>Digital Literacy Requirement (0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Engineering Technology – Operations

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETOPER-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
MT 102B Fundamentals of Electricity	4
AC 103B Introduction to HVAC Mechanical Theory and Application	5
CONS 120B Construction Plans and Specifications	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>15-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
CIT 119B Business Data Networks	3
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
MT 104B Industrial Electricity	4
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>4</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
MT 106B Mechanical Power Transmission	4
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
MT 115B Programmable Logic Controllers I	3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete AAS Human Relations p. 51	3
Complete AAS Fine Arts/Humanities/Social Science p.51	3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 116B Programmable Logic Controllers II	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-65</b>



**Engineering Technology – Operations**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ETOPER-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology, Operations Emphasis is an 18-month program that provides students with class room and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Operations emphasis focuses on those skills used in operational settings. Courses include Industrial Electricity, Mechanical Power Transmission and Fluid Power.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
- Show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
- Employ the skills and knowledge to apply various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
- Prepare technical reports and communicate the results through effective oral communications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107  
Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

AC 103B	Introduction to HVAC Mechanical Theory and Application	5
CONS 120B	Construction Plans and Specifications	3
MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4

**ELECTIVES (choose at least 3 credits that have the approved prefix)**

Any course with EGG, ET, MT, or WELD prefix

Computation included in MT 102B  
Human Relations included in MT 102B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
AC 103B Introduction to HVAC Mechanical Theory and Application	5
CONS 120 Printreading and Specifications	3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
MT 104B Industrial Electricity	4
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30</b>

- NOTE**
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  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Power Utility - Electrical Maintenance**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUEM-AAS

**DESCRIPTION**

This degree prepares students for employment in Power production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provides students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.
- Be prepared to accept management and/or supervisory positions in the Power Utility and other generating plants.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)****CORE REQUIREMENTS (22 credits)**

MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 11 credits)**

AC 102B	Introduction to HVAC Electrical Theory and Application	5
AC 103B	Introduction to HVAC Mechanical Theory and Application	5
CADD 105	Intermediate Computer Aided Drafting	3
ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
ET 132B	AC for Electronics	4
MT 180B	Co-Op/Internship First Semester	3
MT 181B	Co-Op/Internship Second Semester	3
WWT 101B	Wastewater Treatment I	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology - Power Utility - Electrical Maintenance**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUEM-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ALS 101 College Success	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
<b>TOTAL CREDITS</b> .....	<b>12-16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
COM 115 Applied Communication	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-66</b>



**Engineering Technology – Power Utility - Electrical Maintenance**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUEM-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Engineering Technology, Power Utility Certificate of Achievement is an 18-month to two year program that prepares students for employment in Power Production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provide students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-the-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (19 credits)**

MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 115B	Programmable Logic Controllers I	3

**ELECTIVES (choose 6 credits)**

EKG 131	Technical Physics I	3
EKG 131L	Technical Physics I - Lab	1
ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 180B	Co-Op/Internship First Semester	3
WWT 101B	Wastewater Treatment I	3

Computation included in MT 102B, 104B

Human Relations included in MT 106B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
MATH 116 Technical Mathematics	3
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

**SECOND SEMESTER**

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>11-12</b>

**THIRD SEMESTER**

	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>6-7</b>

**DEGREE PLAN TOTAL CREDITS**..... **31-33**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology - Power Utility - Mechanical Maintenance**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUMM-AAS

**DESCRIPTION**

This degree prepares students for employment in Power production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provides students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.
- Be prepared to accept management and/or supervisory positions in the Power Utility and other generating plants.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)****CORE REQUIREMENTS (22 credits)**

MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 11 credits)**

CADD 105	Intermediate Computer Aided Drafting	3
MT 180B	Co-Op/Internship First Semester	3
MT 181B	Co-Op/Internship Second Semester	3
WELD 130B	Welding Support Equipment Operations	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4
WWT 101B	Wastewater Treatment I	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Engineering Technology – Power Utility - Mechanical Maintenance**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUMM-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ALS 101 College Success	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
<b>TOTAL CREDITS</b> .....	<b>12-16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
COM 115 Applied Communication	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-66</b>



**Engineering Technology – Power Utility – Mechanical Maintenance**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUMM-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Engineering Technology, Power Utility Certificate of Achievement is an 18-month to two year program that prepares students for employment in Power Production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provide students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-the-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (19 credits)**

MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 115B	Programmable Logic Controllers I	3

**ELECTIVES (choose 6 credits)**

EGG 131	Technical Physics I	3
EGG 131L	Technical Physics I - Lab	1
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 180B	Co-Op/Internship First Semester	3
WELD 130B	Welding Support Equipment Operations	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4

Computation included in MT 102B, 104B

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.***FIRST SEMESTER**

	Credits
MATH 116 Technical Mathematics	3
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

**SECOND SEMESTER**

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>11-12</b>

**THIRD SEMESTER**

	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>6-7</b>

**DEGREE PLAN TOTAL CREDITS**.....31-33

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Power Utility - Plant Operation**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUPO-AAS

**DESCRIPTION**

This degree prepares students for employment in Power production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provides students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.
- Be prepared to accept management and/or supervisory positions in the Power Utility and other generating plants.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)****CORE REQUIREMENTS (22 credits)**

MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3

**Choose one from the following (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 11 credits)**

CADD 105	Intermediate Computer Aided Drafting	3
EMA 101	Principles of Emergency Management	3
EMA 102	Disaster Mitigation and Preparedness	3
ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
MT 180B	Co-Op/Internship First Semester	3
MT 181B	Co-Op/Internship Second Semester	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Power Utility - Plant Operation**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUPO-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
ALS 101 College Success	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
<b>TOTAL CREDITS</b> .....	<b>12-16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
COM 115 Applied Communication	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-66</b>



## Engineering Technology – Power Utility - Plant Operation

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUPO-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Engineering Technology, Power Utility Certificate of Achievement is an 18-month to two year program that prepares students for employment in Power Production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provide students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation.

**STUDENT LEARNING OUTCOMES**

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-the-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (19 credits)**

MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 115B	Programmable Logic Controllers I	3

**ELECTIVES (choose 6 credits)**

EKG 131	Technical Physics I	3
EKG 131L	Technical Physics I - Lab	1
EMA 101	Principles of Emergency Management	3
EMA 102	Disaster Mitigation and Preparedness	3
ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 180B	Co-Op/Internship First Semester	3

Computation included in MT 102B, 104B

Human Relations included in MT 106B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
MATH 116 Technical Mathematics	3
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

**SECOND SEMESTER**

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>11-12</b>

**THIRD SEMESTER**

	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
<b>TOTAL CREDITS</b> .....	<b>6-7</b>

**DEGREE PLAN TOTAL CREDITS**..... **31-33**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Self-Service Device Technicians**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: ETSelf-AA5

**DESCRIPTION**

The degree provides students with the necessary skills to assist in the planning, design, troubleshooting, and maintenance of various devices such as ATMs, kiosks, slot machines and related devices. Instruction includes network management systems such as player tracking/slot management systems or ATM Network Monitoring systems. The appropriate regulations, such as slot machines, related gaming regulations or ATM related banking regulations will be covered in each concentration. Key common and specialized components and sub-assemblies of these devices will be covered. For example, some of these components and sub-assemblies are random number generators, opto-couplers, coin comparators, dollar bill acceptors, and printers. Computers and networks that use these devices and slot machine gaming are addressed. This two-year program provides the student with the repair methods and procedures used in the industries supported by each concentration. Instruction takes place in a hands-on state-of-the-art environment.

**STUDENT LEARNING OUTCOMES**

- Demonstrate a working knowledge of the theory of operation of typical self-serve devices such as electronic slot machines, ATMs, and/or Kiosks; Pseudo Random Number Generators; ROM, PROM, EPROM, EEPROM and RAM; and stepper motors.
- Describe the operation of typical peripheral devices; the external features; the money handling assemblies; the modes of operation in devices such as the slot machine, ATMs, and/or Kiosks.
- Identify electronic circuits and components used in these devices.
- Demonstrate positive work ethics and interpersonal skills in a group environment and to deliver written and oral project reports.
- Characterize and troubleshoot the installation and operation of networks that support devices such as slot machines and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in slot machines.
- Show an ability to independently analyze, troubleshoot, repair, construct, and/or design slot machines or other self-service devices.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and ET 131B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)****CORE REQUIREMENTS (30 credits)**

ACC 135B	Bookkeeping I	3
CIT 110	A+ Hardware	3
CIT 112B	Network+	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
CSCO 120	CCNA Internetworking Fundamentals	4
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 238B	Device Peripherals	3
ET 294B	EET Capstone	3

**Elective #1 (choose 2-3 credits)**

ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2-3

**Elective #2 (choose 4 credits)**

ET 205B	Power Supply Theory and Repair	2-3
ET 206B	Video Monitor Theory and Repair	2-3
ET 289B	Electrical Troubleshooting	4

**Elective #3 (choose 0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Engineering Technology – Self-Service Device Technicians

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: ETSelf-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ALS 101 College Success	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
ACC 135B Bookkeeping I	3
ET 100B or 104B	2-3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ET 131B DC for Electronics	4
ENG 100 or 101 or 113	3-5
CIT 110 A+ Hardware	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>13-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
ET 132B AC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
CIT 112B Network+	3
ET 212B Digital Logic I	4
ET 238B Device Peripherals <sup>1</sup>	3
ET 205B or ET 206B or ET 289B	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Egg 131 and 131L	4
PSC 101 Introduction to American Politics	4
ET 294B EET Capstone	3
CSCO 120 CCNA Internetworking Fundamentals	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>63-69</b>

<sup>1</sup>Prerequisite ET 131B and 212B. Contact the Department of Applied Technologies for permission to complete this class in the same semester as the prerequisite (ET 212B) course.



# Engineering Technology – Slot Repair

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: ETSLOT-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

Upon successful completion of this program, students will be prepared for an entry-level position in the gaming industry. This program integrates classroom experience with hands-on lab exercises and covers topics such as planning, design, troubleshooting and maintenance of various slot machines and related devices. Networks used to support modern slot machine gaming are also covered.

## STUDENT LEARNING OUTCOMES

- Develop a working knowledge of the theory of operation of a typical electronics slot machine; a working knowledge of Pseudo Random Number Generators; a working knowledge of ROM, PROM, EPROM, EEPROM and RAM; a working knowledge of stepper motors.
- Describe the operation of peripheral devices; the external features of a slot machine; the coin-in coin-out assemblies; the modes of operation of the electronics slot machine.
- Identify electronic circuits and components used in slot machines.
- Develop an understanding of the installation of physical network infrastructure that support devices such as slot machines and computers.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3-5 credits)

Choices: COM 115 or ENG 100 or 101 or 107 or 113

Recommended: COM 115 Applied Communication

## SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

CSCO 105B	Fundamentals of Voice and Data Cabling	3
ET 104B	Fabrication and Soldering Techniques	2
ET 106B	Test Equipment Operation	3
ET 111B	Mathematics for Electronics Applications	3
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4
ET 138B	Introduction to Slot Machine Technology	3
ET 212B	Digital Logic I	4
ET 238B	Device Peripherals	3

Computation included in ET 111B

Human Relations included in CSCO 105B

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
ET 104B Fabrication and Soldering Techniques	2
ET 106B Test Equipment Operation	3
ET 131B DC for Electronics	4
ET 138B Introduction to Slot Machine Technology	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 212B Digital Logic I	4
ET 111B Mathematics for Electronics Applications	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
THIRD SEMESTER	Credits
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 132B AC for Electronics	4
ET 238B Device Peripherals	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Slot Technology Technicians**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETSLOT-AAS

**DESCRIPTION**

The degree provides students with the necessary skills to assist in the planning, design, troubleshooting, and maintenance of various devices such as ATMs, kiosks, slot machines and related devices. Instruction includes network management systems such as player tracking/slot management systems or ATM Network Monitoring systems. The appropriate regulations, such as slot machines, related gaming regulations or ATM related banking regulations will be covered in each concentration. Key common and specialized components and sub-assemblies of these devices will be covered. For example, some of these components and sub-assemblies are random number generators, opto-couplers, coin comparators, dollar bill acceptors, and printers. Computers and networks that use these devices and slot machine gaming are addressed. This two-year program provides the student with the repair methods and procedures used in the industries supported by each concentration. Instruction takes place in a hands-on state-of-the-art environment.

**STUDENT LEARNING OUTCOMES**

- Demonstrate a working knowledge of the theory of operation of typical self-serve devices such as electronic slot machines, ATMs, and/or Kiosks; Pseudo Random Number Generators; ROM, PROM, EPROM, EEPROM and RAM; and stepper motors.
- Describe the operation of typical peripheral devices; the external features; the money handling assemblies; the modes of operation in devices such as the slot machine, ATMs, and/or Kiosks.
- Identify electronic circuits and components used in these devices.
- Demonstrate positive work ethics and interpersonal skills in a group environment and to deliver written and oral project reports.
- Characterize and troubleshoot the installation and operation of networks that support devices such as slot machines and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in slot machines.
- Show an ability to independently analyze, troubleshoot, repair, construct, and/or design slot machines or other self-service devices.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and ET 131B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Recommended: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)****CORE REQUIREMENTS (32 credits)**

CIT 110	A+ Hardware	3
CIT 112B	Network+	3
CIT 263B	Project Management	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
ET 132B	AC for Electronics	4
ET 138B	Introduction to Slot Machine Technology	3
ET 212B	Digital Logic I	4
ET 238B	Device Peripherals	3
ET 294B	EET Capstone	3
GAM 225	Introduction to Gaming Management	3
<b>Elective #1 (choose 2-3 credits)</b>		
ET 100B	Survey of Electronics	3
ET 104B	Fabrication and Soldering Techniques	2-3
<b>Elective #2 (choose 4 credits)</b>		
ET 205B	Power Supply Theory and Repair	2-3
ET 206B	Video Monitor Theory and Repair	2-3
ET 289B	Electrical Troubleshooting	4
<b>Elective #3 (choose 0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Slot Technology Technicians**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETSLOT-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ALS 101 College Success	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 138 Introduction to Slot Machine Technology	3
ET 100B or 104B	2-3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ET 131B DC for Electronics	4
ENG 100 or 101 or 113	3-5
CIT 110 A+ Hardware	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>13-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
ET 132B AC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>7</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
CIT 112B Network+	3
ET 212B Digital Logic I	4
ET 238B Device Peripherals <sup>1</sup>	3
ET 205B or ET 206B or ET 289B	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
CIT 263B Project Management	3
ET 294B EET Capstone	3
GAM 225 Introduction to Gaming Management	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

**DEGREE PLAN TOTAL CREDITS**..... **65-71**

<sup>1</sup>Prerequisite ET 131B and 212B. Contact the Department of Applied Technologies for permission to complete this class in the same semester as the prerequisite (ET 212B) course.



**Engineering Technology – Telecommunications**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: ETELCOAAS

**DESCRIPTION**

The Associate of Applied Science Degree in Engineering Technology - Telecommunications Emphasis prepares students with the necessary skills required by today's high-tech, high-wage telecommunications industry. Instruction includes; telecommunications and advanced telecommunications and advanced telecommunications topics; IP network installation, configuration, and maintenance; electronics and digital circuits; copper and fiber optic cabling installation. Accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides the students with the methods and procedures used by technicians in the telecommunications industry. Instruction takes place in a hands-on, state-of-the-art environment.

**Educational Objectives - Within a few years of graduation:** Graduates from CSN's Telecommunication Engineering Technology Program will demonstrate the ability to apply technical, managerial, design and application skills necessary to install, manage, operate, and maintain telecommunication systems. Graduates will have effective technical communication skills necessary to function on professional teams. Graduates are prepared to enter the working force with professional work ethics, with the commitment to lifelong learning, quality and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

**STUDENT LEARNING OUTCOMES**

- Construct, test, and verify the operation of voice and data cables, various analog, digital and microprocessor/microcontroller circuits, demonstrate a working knowledge of filter circuits, fiber optics, electronics/telecommunications laboratory test equipment.
- Perform IP network installation, maintenance, configuration, analysis, and management, while utilizing devices such as Routers and PCs.
- Explain the signaling and system structure of the various types of telephones, such as the mobile, IP based, and traditional.
- Distinguish between the various modulation and multiplexing techniques commonly employed in the telecommunication transmission systems.
- Demonstrate commitment to quality, timeliness, and continuous improvement, while showing an understanding of the need for and an ability to engage in self-directed continuing professional development.
- Support positive work ethics, respect for diversity, and interpersonal skills in a group environment and deliver written and oral reports on projects.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 127

Recommended: ET 111B Mathematics for Electronics Applications

**ENGLISH COMPOSITION (3-5 credits)**

Choices: ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Choices: COM 115 or ENG 107

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and ET 131B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Choices: See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)****CORE REQUIREMENTS (33 credits)**

CIT 112B	Network+	3
CSCO 105B	Fundamentals of Voice and Data Cabling	3
CSCO 120	CCNA Internetworking Fundamentals	4
ET 108B	Telecommunications and the Information Age	3
ET 132B	AC for Electronics	4
ET 212B	Digital Logic I	4
ET 228B	Data Acquisition	3
ET 282B	Microprocessors I	3
ET 293B	Telecommunication Transmission Methods	3
ET 294B	EET Capstone	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 3 credits)**

CIT 114B	IT Essentials	4
CSCO 121	CCNA Routing and Switching Essentials (or higher)	3-4
ET 106B	Test Equipment Operation	3
ET 205B	Power Supply Theory and Repair (or higher)	3-4
IS 115	Introduction to Programming	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Telecommunications**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: ETTTELCOAAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ET 111B Mathematics for Electronics Applications	3
ALS 101 College Success	3
ET 131B DC for Electronics	4
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 108B Telecommunications and the Information Age	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
CIT 112B Network+	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>14-19</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>7</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AAS Fine Arts/Humanities/Social Science p. 51	3
CSCO 120 CCNA Internetworking Fundamentals	4
ET 228B Data Acquisition	3
ET 282B Microprocessors I	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
ET 293B Telecommunication Transmission Methods	3
ET 294B EET Capstone	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **63-68**



Engineering Technology – Telecommunications

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 33

DEGREE CODE: ETEELCO-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

Upon successful completion of this program, students will be prepared for an entry-level position in the telecommunications industry. Students will acquire the necessary skills required by the high-tech, high-wage telecommunications industry. This program integrates classroom experience with hands-on lab exercises. Computers and networks used to support modern telecommunications are also covered.

**STUDENT LEARNING OUTCOMES**

- Construct, test, and verify the operation of various AC, DC, analog and digital circuits, demonstrate a working knowledge, fiber optics, electronics/telecommunications laboratory test equipment and perform a mechanical and fusion splice to specification.
- Explain the signaling specifications of the telephone set, subscriber loop interface and central office and distinguish between the various circuit and trunking types commonly employed in the Public Switched Telephone Network (PSTN).
- Develop positive work ethics and interpersonal skills in a group environment.
- Develop a hands-on understanding of the installation and operation of networks that support devices such as Voice over IP telephones and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in telecommunications devices such as switches and routers.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

Choices: COM 115 or ENG 100 or 101 or 107 or 113  
 Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)**

CIT 112B	Network+	3
CIT 114B	IT Essentials	4
CSCO 105B	Fundamentals of Voice and Data Cabling	3
CSCO 205B	Fiber Optic Cabling	3
ET 106B	Test Equipment Operation	3
ET 108B	Telecommunications and the Information Age	3
ET 111B	Mathematics for Electronics Applications	3
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4

Computation included in ET 111B

Human Relations included in CSCO 105B, ET 132B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

	<b>Credits</b>
<b>FIRST SEMESTER</b>	
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 106B Test Equipment Operation	3
ET 108B Telecommunications and the Information Age	3
ET 131B DC for Electronics	4
ET 111B Mathematics for Electronics Applications	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>SECOND SEMESTER</b>	
CIT 112B Network+	3
CIT 114B IT Essentials	4
CSCO 205B Fiber Optic Cabling	3
ET 132B AC for Electronics	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>THIRD SEMESTER</b>	
COM 115 Applied Communication	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>33</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Theatre Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETTHTR-AAS

**DESCRIPTION**

This degree provides students with classroom and laboratory experience in electricity, mechanical power, and fluid power systems. The Theater Technology emphasis focuses on those skills used in entertainment environment. Academic courses emphasizing relevant math, science and human relations are stressed to prepare students to meet challenges common in the theater environment. The effective combination of theoretical courses and hands-on experience gained through Co-Op enhances student's ability to secure employment as well as future professional growth in theater technology.

**STUDENT LEARNING OUTCOMES**

- Show the necessary skills to design, assemble, and operate different fluid power systems and perform basic system calculations.
- Demonstrate a working knowledge of how to be effective in their technical roles as a theater technician.
- Obtain relevant up-to-date and applied knowledge and skills to set-up, upgrade and troubleshoot the equipment used in theater environment.
- Develop teamwork skills through design and operation of various mechanical power transmission systems and show potential to accept supervisory responsibilities as a manager.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)****MATHEMATICS (3 credits)**

Choices: ET 111B or MATH 116 or 120 or 124 or 126 or 127  
Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Choices: BUS 108 or COM 101 or 115  
Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Choices: See AAS policy p. 51 for courses

**NATURAL SCIENCE (8 credits)**

Required: EGG 131 and 131L and either ET 131B or MT 102B  
Recommended (for "and either" portion of required): MT 102B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

Required: MUS 231 Recording Techniques I

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AAS policy p. 51 for courses  
Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)****CORE REQUIREMENTS (27 credits)**

ADT 100B	Introduction to Drafting Theory	3
CADD 100	Introduction to Computer Aided Drafting	3
ET 104B	Fabrication and Soldering Techniques	2
MT 101B	Introduction to Theater Technology	2
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
THTR 204	Theater Technology I	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose at least 6 credits from the following)**

CIT 119B	Business Data Networks	3
ET 106B	Test Equipment Operation	3
ET 132B	AC for Electronics	4
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4
MT 115B	Programmable Logic Controllers I	3
MT 116B	Programmable Logic Controllers II	3
MT 183B	Co-Op/Internship Third Semester	3
MT 184B	Co-Op/Internship Fourth Semester	3
WELD 131B	Blueprint Reading, Layout, and Sketching	3
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Engineering Technology – Theatre Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETTHTR-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
MT 102B Fundamentals of Electricity	4
CADD 100 Introduction to Computer Aided Drafting	3
ET 104B Fabrication and Soldering Techniques	2
MT 101B Introduction to Theater Technology	2
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
ADT 100B Introduction to Drafting Theory	3
MT 104B Industrial Electricity	4
THTR 204 Theater Technology I	3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
Complete AAS Human Relations p. 51	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
MUS 231 Recording Techniques I	3
MT 106B Mechanical Power Transmission	4
Complete Electives (see courses this page)	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>10-13</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
PSC 101 Introduction to American Politics	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-65</b>



**Engineering Technology – Theatre**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: ETTHTR-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology, Theatre is an 18-month program that provides students with classroom and laboratory experience in electricity, mechanical power transmission, fluid power and related design activities in theater technology. The Theatre Technology emphasis focuses on those skills used in theater and entertainment environment. The graduates of the program will be qualified to assume technical positions in the theater technology field, especially in the local area.

**STUDENT LEARNING OUTCOMES**

- Obtain relevant up-to-date and applied knowledge and skills to set-up, maintain, upgrade and troubleshoot the equipment used in a theater environment.
- Demonstrate how to be effective in their technical roles as a theater technician.
- Show the necessary skills to design, assemble and operate various fluid power systems and perform basic system calculations.
- Develop skills through design and operation of mechanical power transmission systems and prepare technical reports and communicate the results through effective oral communications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3-5 credits)**

Choices: COM 115 or ENG 100 or 101 or 107 or 113  
Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)****CORE REQUIREMENTS (25 credits)**

ADT 100B	Introduction to Drafting Theory	3
CADD 100	Introduction to Computer Aided Drafting	3
ET 104B	Fabrication and Soldering Techniques	2
MT 101B	Introduction to Theater Technology	2
MT 102B	Fundamentals of Electricity	4
MT 104B	Industrial Electricity	4
MT 106B	Mechanical Power Transmission	4
THTR 204	Theatre Technology I	3

**Digital Literacy Requirement (0-3 credits)**

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

**ELECTIVES (choose 3-4 credits)**

MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 183B	Co-Op/Internship Third Semester	3

Computation included in MT 102B, 104B

Human Relations included in MT 101B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
ADT 100B Introduction to Drafting Theory	3
MT 101B Introduction to Theater Technology	2
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
<b>TOTAL CREDITS</b> .....	<b>13</b>

SECOND SEMESTER	Credits
COM 115 Applied Communication	3
CADD 100 Introduction to Computer Aided Drafting	3
MT 104B Industrial Electricity	4
THTR 204 Theatre Technology I	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

THIRD SEMESTER	Credits
ET 104B Fabrication and Soldering Techniques	2
IS 100B or IS 101 <sup>1</sup>	0-3
MT 108B or MT 183B	3
<b>TOTAL CREDITS</b> .....	<b>5-8</b>

**DEGREE PLAN TOTAL CREDITS**..... **31-34**

<sup>1</sup>IS 100B is a certification test, if certification test isn't passed, student must take IS 101. The student can always bypass IS 100B and just take IS 101.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**English**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ENG-AA

**DESCRIPTION**

The Associate of Arts Degree with an English Emphasis helps students develop and apply critical thinking, analytical writing, and communication skills. Students who complete these degree requirements will be prepared to transfer to a four-year institution.

**STUDENT LEARNING OUTCOMES**

- Address purpose, audience, and rhetorical situation.
- Produce writing that demonstrates academic reading skills.
- Use a process approach to compose well-developed, research-based essays.
- Create an argumentative and/or exploratory thesis supported by textual evidence.
- Locate, evaluate, and integrate information sources.
- Summarize, analyze, synthesize, apply, and document source material.
- Control conventions of language, mechanics, and MLA format.
- Use critical reading and writing skills to engage and analyze literary texts.
- Demonstrate ability to connect literary works.
- Demonstrate ability to contextualize literary works.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

(Nine credits must be from three different disciplines):

ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246;  
PSC; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

See page 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (14 credits)**

COM 101	Oral Communication	3
	World Languages 111 or above (courses must be in a single language)	8
ENG 298	Writing About Literature	3

**Choose six credits from the following:**

ENG 223 or above	6
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**ELECTIVES (choose 6 credits)**

ENG 235	Survey of English Literature I	3
ENG 236	Survey of English Literature II	3
ENG 241	Survey of American Literature I	3
ENG 242	Survey of American Literature II	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## English

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ENG-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
Complete Mathematics (see courses previous page)	3
Complete Social Science (see courses previous page)	6
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete Social Science (see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>1</sup> p. 50	4-6
Complete AA/AB/AS Analytical Reasoning p. 50	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science <sup>2</sup> (With Lab) p. 50	3-4
Complete AA/AB/AS Fine Arts p. 50	3
ENG 298 Writing About Literature	3
World Languages 111 or above <sup>3</sup>	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 223 or above	6
World Languages 111 or above <sup>3</sup>	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 4th semester.

<sup>2</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>3</sup>When completing the World Languages portion of the special program requirements, you must complete two courses from the same language.





## Fire and Emergency Services Administration

BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 121

DEGREE CODE: FIRESA-BAS

Admittance into the Bachelor of Applied Science program will require a minimum of an associate degree in fire science or a closely related field. Those seeking entry into the program without a closely related associate degree will have their coursework reviewed for admittance. For information regarding the Bachelor of Applied Science – Emergency Services Administration degree, please contact Greg Gammon, Director of Fire Science at 702-651-7554 or Rita Hayes, Department Chair, at 702-651-4048.

**DESCRIPTION**

This BAS degree is intended for students who wish to develop their managerial skills and further compliment the technical skills they have already acquired at the AAS degree level. The BAS will open up career pathways and promotional opportunities beyond what an AAS degree will provide. Students will complete additional coursework that has been approved by Fire and Emergency Services Higher Education (FESHE) model curriculum. The BAS degree will be granted to students who have successfully completed an AAS degree in Fire Science or a closely related field from a regionally accredited community college and matriculate to complete the core and noncore courses recommended by FESHE.

**STUDENT LEARNING OUTCOMES**

- Evaluate community risk reduction methods related to the fire service.
- Assess effective leadership programs in public administration.
- Appraise business strategies involving personnel, fiscal management, legal and administrative practices related to the fire service.
- Create and evaluate policy, plans, and procedures to support emergency services administration.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (37 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except 122, 123)

**ENGLISH COMPOSITION (6-8 credits)**

ENG 100 or 101 or 107 or 113 and 333

**COMMUNICATIONS (6 credits)**

Required: BUS 107 and COM 101

**HUMAN RELATIONS (3 credits)**

HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

**NATURAL SCIENCE (6 credits)**

AST; CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

PHIL 302 and 311 and one from the following: AM; ANTH; ART; COM; DAN 101; ECON; ENG 223; GEOG 106; HIST; World Languages; MUS; MUSA; MUSE; PHIL; PSC; PSY; SOC; THTR; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 CREDITS)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 102 and HIST 111; or HIST 111 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (84 CREDITS)****LOWER LEVEL REQUIREMENTS (27 credits)**

FT 101	Principles of Emergency Services	3
FT 105	Fire Behavior and Combustion	3
FT 121	Fire Prevention	3
FT 125	Building Construction for Fire Protection	3
FT 131	Hazardous Materials Chemistry	3
FT 152	Legal Aspects of Emergency Services	3
FT 154	Principles of Fire and Emergency Services Safety and Survival	3
FT 224	Fire Protection Systems	3
FT 291	Fire and Emergency Services Administration	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED****ELECTIVES (choose 15 credits from the following)**

FT 126	Fire Investigation I	3
FT 150	Apparatus and Equipment	3
FT 151	Fire Protection Hydraulics and Water Supply	3
FT 153	Occupational Safety and Health for Emergency Services	3
FT 190	Fire Instructor I	3
FT 191	Introduction to Company Officer	3
FT 226	Fire Investigation II	3
FT 243	Strategy and Tactics	3

**Upper Division FESHE Requirements (42 credits)**

FT 300	Fire Dynamics	3
FT 301	Political and Legal Foundations for Fire Protection	3
FT 302	Fire and Emergency Services Administration	3
FT 303	Personnel Management for Fire and Emergency Services	3
FT 304	Fire Prevention Organization and Management	3
FT 305	Managerial Issues in Hazardous Materials	3
FT 306	Financial Management for Fire and Emergency Services	3
FT 400	Fire Investigation and Analysis	3
FT 401	Fire Protection Structures and Systems	3
FT 402	Fire Related Human Behavior	3
FT 403	Disaster Planning and Control	3
FT 404	Analytical Approaches to Public Fire Protection	3
FT 405	Community Risk Reduction for Fire and Emergency Services	3
FT 406	Applications of Fire Research	3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Fire and Emergency Services Administration**

BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 121

DEGREE CODE: FIRESA-BAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 333 Professional Communications	3
PHIL 302 Intermediate Reasoning and Critical Thinking	3
FT 291 Fire and Emergency Services Administration	3
FT 300 Fire Dynamics	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
FT 301 Political and Legal Foundations for Fire Protection	3
FT 302 Fire and Emergency Services Administration	3
FT 303 Personnel Management for Fire and Emergency Services	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
FT 304 Fire Prevention Organization and Management	3
FT 305 Managerial Issues in Hazardous Materials	3
FT 306 Financial Management for Fire and Emergency Services	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PHIL 311 Professional Ethics	3
FT 400 Fire Investigation and Analysis	3
FT 401 Fire Protection Structures and Systems	3
FT 402 Fire Related Human Behavior	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
FT 403 Disaster Planning and Control	3
FT 404 Analytical Approaches to Public Fire Protection	3
FT 405 Community Risk Reduction for Fire and Emergency Services	3
FT 406 Applications of Fire Research	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60</b>

Please note – This degree plan is based on a student who has already completed an associate’s degree in fire science or a closely related field.



# Fire Science Technology – Fire Fighting

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 34

DEGREE CODE: FSTFF-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Fire Fighting certificate is designed for students who desire to enter a career in a municipal, county or state fire department. The material is linked with the Nevada State Fire Marshal’s Nevada Firefighter I Certificate. Students are given the opportunity to take the Nevada and National Fire Protection Association’s Firefighter I didactic and practical test. Course material must be taken in sequence with all prerequisites being completed prior to testing with the State Fire Marshal’s Office.

The Fire Fighting certificate does not guarantee employment within any fire department in the State of Nevada. Students may be placed in a physically demanding environment designed to introduce the student to the job task and skills required to operate in the fire and emergency service.

## STUDENT LEARNING OUTCOMES

- Demonstrate donning of Hazardous Materials suits and self-contained breathing apparatus.
- Conduct a basic fire inspection.
- Conduct a basic fire investigation.
- Identify the working components of a fire protection system.
- Distinguish the different types of construction methods used in the building of various types of structures.
- Complete the State of Nevada Certification requirements in the following categories: Hazardous Materials Operations and Awareness, Fire Instructor I, Fire Officer I, and wildland firefighting red card certification.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### COMMUNICATIONS (6 credits)

Required: BUS 107 and COM 101

## SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

FT 101	Principles of Emergency Services	3
FT 104	Nevada Firefighter I	3
FT 105	Fire Behavior and Combustion	3
FT 109B	Internship in Firefighting	1
FT 110	Basic Wildland Firefighting	3
FT 121	Fire Prevention	3
FT 125	Building Construction for Fire Protection	3
FT 150	Apparatus and Equipment	3
FT 152B	Legal Aspects of Emergency Services	3
FT 154B	Principles of Fire and Emergency Services Safety and Survival	3

Computation included in FT 101

Human Relations included in FT 101

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
BUS 107 Business Speech Communication	3
FT 101 Principles of Emergency Services	3
FT 104 Nevada Firefighter I	3
FT 105 Fire Behavior and Combustion	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
SECOND SEMESTER	Credits
FT 109B Internship in Firefighting	1
FT 121 Fire Prevention	3
FT 125 Building Construction for Fire Protection	3
FT 150 Apparatus and Equipment	3
<b>TOTAL CREDITS</b> .....	<b>10</b>
THIRD SEMESTER	Credits
COM 101 Oral Communication	3
FT 110 Basic Wildland Firefighting	3
FT 152B Legal Aspects of Emergency Services	3
FT 154B Principles of Fire and Emergency Services Safety and Survival	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>34</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Fire Technology Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: FTM-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Fire Technology Management is designed to provide students and career fire service personnel with the necessary education and skills required to enter a career or achieve promotion in a municipal, county or state fire department. The courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum. The course content is designed to meet the National Fire Protection Association's 1001 Standard for Fire Fighter Professional Qualifications. The elective material is designed to prepare firefighters for advancement in the fire service.

This degree does not guarantee employment or promotion but will prepare the student to increase their chances of being hired or promoted. Students may be placed in a physically demanding environment designed to introduce the student to job tasks and skills required to operate in the fire and emergency services.

**STUDENT LEARNING OUTCOMES**

- Demonstrate donning of Hazardous Materials suits and self-contained breathing apparatus.
- Conduct a basic fire inspection.
- Conduct a basic fire investigation.
- Identify the working components of a fire protection system.
- Distinguish the different types of construction methods used in the building of various types of structures.
- Complete the State of Nevada Certification requirements in the following categories: Hazardous Materials Operations and Awareness, Fire Instructor I, Fire Officer I.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (6 credits)**

Required: BUS 107 and COM 101

**HUMAN RELATIONS (3 credits)**

HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 CREDITS)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)****CORE REQUIREMENTS (24 credits)**

FT 101	Principles of Emergency Services	3
FT 105	Fire Behavior and Combustion	3
FT 121	Fire Prevention	3
FT 125	Building Construction for Fire Protection	3
FT 131	Hazardous Materials Chemistry	3
FT 152B	Legal Aspects of Emergency Services	3
FT 154B	Principles of Fire and Emergency Services Safety and Survival	3
FT 224	Fire Protection Systems	3

**ELECTIVES (choose 12 credits)**

FT 110	Basic Wildland Firefighting	3
FT 126	Fire Investigation I	3
FT 150	Apparatus and Equipment	3
FT 151	Fire Protection Hydraulics and Water Supply	3
FT 153B	Occupational Safety and Health for Emergency Services	3
FT 190	Fire Instructor I	3
FT 191	Introduction to Company Officer	3
FT 226	Fire Investigation II	3
FT 243	Strategy and Tactics	3
FT 291	Fire and Emergency Services Administration	3
FT 298	Seminar in Fire Management	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Fire Technology Management

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: FTM-AAS

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
BUS 107 Business Speech Communications	3
Complete Human Relations (see courses previous page)	3
FT 101 Principles of Emergency Services	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete Natural Science (see courses previous page)	3
FT 105 Fire Behavior and Combustion	3
FT 131 Hazardous Materials Chemistry <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
FT 125 Building Construction for Fire Protection	3
FT 152B Legal Aspects of Emergency Services	3
Complete Electives <sup>2</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
FT 121 Fire Prevention	3
FT 224 Fire Protections Systems	3
Complete Electives <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
Complete AAS US/NV Constitutions <sup>3</sup> p. 51	4-6
FT 154B Principles of Fire and Emergency Services	
Safety and Survival	3
Complete Electives <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>13-15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>61-65</b>

<sup>1</sup>Prerequisites for this course are FT 101 and FT 104 and EMS 108B; or Instructor approval. Completing prerequisites gives you additional credits above the total for this degree.

<sup>2</sup>Some elective choices have prerequisites – see a counselor to help select courses and complete prerequisites.

<sup>3</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, take HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 5th semester.



# Floral Design Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: FLORDT-AAS

## DESCRIPTION

This degree prepares students for the commercial floral design industry which encompasses private retail shops, wedding chapels, silk floral establishments and major resort hotels. Typical positions in floral establishments include owner/manager, lead designer, assistant designer or salesperson.

## STUDENT LEARNING OUTCOMES

- Appraise and evaluate the basic tasks of a floral designer in a commercial setting by calculating, estimating and justifying market sheets for ordering product for shop needs, and acting as a consultant for weddings, special events and funerals.
- Assess criteria to select and recommend materials for the construction of floral decor to customer’s preference, using industry standards.
- Compose photographic images of floral design.
- Demonstrate math, communication, computer technology skills, and other core supervisory/entry level management skills in the floral industry.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

Required: MATH 104B Applied Mathematics

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

### COMMUNICATIONS (3 credits)

Required: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

ALS 101 or MGT 100B or PSY 101

### NATURAL SCIENCE (3 credits)

Recommended: ENV 101 Introduction to Environmental Science

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

ART 101 or GEOG 106

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (30 credits)

FLOR 102B	Introduction to Floral Design	3
FLOR 106B	Permanent Botanicals	3
FLOR 202B	Tributes and Traditions	3
FLOR 204B	Traditional Weddings	3
FLOR 208B	Creativity and Competition	3
FLOR 220B	Events and Display	3
FLOR 240B	Advanced Weddings	3
IS 101	Introduction to Information Systems	3
MGT 103	Introduction to Small Business Management	3
PHO 101B	Beginning Photography	3

### Choose one from the following (3 credits)

ACC 135B	Bookkeeping I	3
ACC 201	Financial Accounting	3

### ELECTIVES (choose 5 credits)

FLOR 108B	Event Balloon Sculptures	1.5
FLOR 115B	Mega-Department Practices	3
FLOR 206B	Beginning Ikebana	3
FLOR 224B	Techniques and Mechanics	1.5
FLOR 225B	Color and Product Mix	1.5
FLOR 295B	Floral Careers Internship	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Floral Design Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: FLORDT-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
FLOR 102B Introduction to Floral Design	3
FLOR 106B Permanent Botanicals	3
ACC 135B or ACC 201	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
MATH 104B Applied Mathematics	3
FLOR 202B Tributes and Traditions	3
FLOR 220B Events and Display	3
IS 101 Introduction to Information Systems	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ENV 101 Introduction to Environmental Science	3
FLOR 204B Traditional Weddings	3
MGT 103 Introduction to Small Business Management	3
Complete Electives (see courses previous page)	2
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
PSC 101 Introduction to American Politics	4
FLOR 208B Creativity and Competition	3
FLOR 240B Advanced Weddings	3
PHO 101B Beginning Photography	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-62</b>



**Floral Design Technology**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 30**

**DEGREE CODE: FLORDT-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This certificate prepares students for the commercial floral design industry which encompasses private retail shops, wedding chapels, silk floral establishments and major resort hotels. Typical positions in floral establishments include owner/manager, lead designer, assistant designer or salesperson. A work experience program is also available for students wishing to obtain on-the-job training.

**STUDENT LEARNING OUTCOMES**

- Appraise and evaluate the basic tasks of a floral designer in a commercial setting by calculating, estimating and justifying market sheets for ordering product for shop needs, and acting as a consultant for weddings, special events and funerals.
- Assess criteria to select and recommend materials for the construction of floral decor to customer’s preference, using industry standards.
- Compose photographic images of floral design.
- Demonstrate math, communication, computer technology skills, and other core supervisory/entry level management skills in the floral design industry.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

FLOR 102B	Introduction to Floral Design	3
FLOR 106B	Permanent Botanicals	3
FLOR 202B	Tributes and Traditions	3
FLOR 204B	Traditional Weddings	3
FLOR 208B	Creativity and Competition	3
FLOR 220B	Events and Display	3
FLOR 240B	Advanced Weddings	3
PHO 101B	Beginning Photography	3

**ELECTIVES (choose 3 credits)**

FLOR 108B	Event Balloon Sculptures	1.5
FLOR 115B	Mega-Department Practices	3
FLOR 206B	Beginning Ikebana	3
FLOR 224B	Techniques and Mechanics	1.5
FLOR 225B	Color and Product Mix	1.5
FLOR 295B	Floral Careers Internship	3

Computation included in FLOR 202B

Human Relations included in FLOR 202B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
FLOR 102B Introduction to Floral Design	3
PHO 101B Beginning Photography	3
<b>TOTAL CREDITS</b> .....	<b>9-11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
FLOR 202B Tributes and Traditions <sup>1</sup>	3
FLOR 220B Events and Display <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
FLOR 106B Permanent Botanicals <sup>3</sup>	3
FLOR 204B Traditional Weddings <sup>3</sup>	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
FLOR 208B Creativity and Competition <sup>1</sup>	3
FLOR 240B Advanced Weddings <sup>3</sup>	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

<sup>1</sup>This course offered every other Spring only.

<sup>2</sup>This course offered in the Spring only.

<sup>3</sup>This course offered in the Fall only.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Food and Beverage Management

### ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: FAB-AAS

#### DESCRIPTION

This program is designed to provide quality education to those seeking to begin a career or further their career in the food service industry. The program consists of course work in food and beverage management, culinary arts, and general education which enable students to obtain the necessary knowledge and skills to be successful in the work environment.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shoreintercom.net](mailto:aoc@shoreintercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net). Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, [www.acfcchefs.org](http://www.acfcchefs.org).

#### STUDENT LEARNING OUTCOMES

- Demonstrate the management skills required for the successful operation of a restaurant.
- Practice food service sanitation and nutrition standards; successfully passing the National Restaurant Association examinations.
- Explain the functions of a professional kitchen.
- Design and organize detailed and profitable restaurant menus.
- Integrate food service math skills into restaurant financial accounting and internal controls.
- Evaluate a food and beverage operation for compliance with specific hotel, restaurant, and gaming laws.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

##### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

##### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 113

##### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

##### HUMAN RELATIONS (3 credits)

ALS 101; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135

##### NATURAL SCIENCE (3 credits)

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

##### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

##### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

#### SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

CUL 110	Basic Cookery	4
FAB 102	Sanitation for the Food Service Industry	2
FAB 112	Restaurant Management	3
FAB 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
FAB 210	Fundamentals of Food and Beverage Control	3
FAB 230	Menu Planning	3
FAB 272	Liquor and Bar Management	3
FAB 285	Catering Management	3
FAB 295	Work Experience in Food Service	1
HMD 101	Introduction to the Hospitality Industry	3
HMD 235	Hotel, Restaurant and Gaming Law	3
HMD 259	Human Resources Management in the Hospitality Industry	3
TCA 221	Hospitality Accounting I	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Food and Beverage Management

### ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: FAB-AAS

#### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English (see courses previous page)	3-5
Complete Communications (see courses previous page)	3
FAB 102 Sanitation for the Food Service Industry	2
FAB 167 Food Service Nutrition	2
HMD 101 Introduction to the Hospitality Industry	2
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
CUL 110 Basic Cookery	4
FAB 112 Restaurant Management	3
TCA 221 Hospitality Accounting I	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
Complete AAS US/NV Constitutions p. 51	4
FAB 160 Hospitality Purchasing	3
FAB 230 Menu Planning	3
FAB 272 Liquor and Bar Management <sup>1, 2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
FAB 210 Fundamentals of Food and Beverage Control	3
FAB 285 Catering Management <sup>3</sup>	3
FAB 295 Work Experience in Food Service	1
HMD 235 Hotel, Restaurant and Gaming Law	3
HMD 259 HR Management in the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>61-62</b>

<sup>1</sup> Must be 21 or older.

<sup>2</sup> If not offered take FAB 285.

<sup>3</sup> If not offered take FAB 272.



## Food and Beverage Management

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: FAB-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This Food and Beverage program prepares students to begin a career or further their career in the food service industry. The program, consisting of food and beverage management courses and culinary courses, is designed to provide students with the necessary knowledge and skills to be successful in their food service careers.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the management skills required for the successful operation of a restaurant.
- Practice food service sanitation and nutrition standards and successfully pass the National Restaurant Association examinations.
- Explain the functions of a professional kitchen.
- Design and organize detailed and profitable restaurant menus.
- Integrate food service math skills into restaurant financial accounting and internal controls.
- Evaluate a food and beverage operation for compliance with specific hotel, restaurant, and gaming laws.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

CUL 110	Basic Cookery	4
FAB 102	Sanitation for the Food Service Industry	2
FAB 112	Restaurant Management	3
FAB 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
FAB 210	Fundamentals of Food and Beverage Control	3
FAB 230	Menu Planning	3
FAB 285	Catering Management	3
HMD 101	Introduction to the Hospitality Industry	3

Computation included in MATH 104B or above (except MATH 122, 123)

Human Relations included in HMD 101

**FULL-TIME STUDENT DEGREE PLAN**

*Plan can be modified to fit the needs of part-time students by adding more semesters.*

**FIRST SEMESTER**

	Credits
Complete Communications (see courses this page)	3-5
Complete Mathematics (see courses this page)	3
FAB 112 Restaurant Management	3
FAB 160 Hospitality Purchasing	3
HMD 101 Introduction to the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	Credits
CUL 110 Basic Cookery	4
FAB 102 Sanitation for the Food Service Industry	2
FAB 167 Food Service Nutrition	2
FAB 210 Fundamentals of Food and Beverage Control <sup>1</sup>	3
FAB 230 Menu Planning <sup>2</sup>	3
FAB 285 Catering Management <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

**DEGREE PLAN TOTAL CREDITS**.....**32-34**

<sup>1</sup>Prerequisite FAB 160 and MATH 104B or 120 or 124 or 126.

<sup>2</sup>Prerequisite FAB 112. Contact the Department of Hospitality Management for permission to complete this class in the same semester as its prerequisite.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Global Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: GLOB-AA

**DESCRIPTION**

The Global Studies program is predicated on the notion that solutions to local, national, and international issues are found not within the confines of a particular field, but at the boundaries and within the union of disciplines. This implies that the program is interdisciplinary. Gaining an understanding of global social, economic, political, historical systems which are anchored in the differing philosophical and religious traditions will help the student appreciate the commonality of all human aspirations irrespective of location. The appreciation of diversity of human cultures and traditions is the core value which enables program graduates to work and succeed in our global society.

**STUDENT LEARNING OUTCOMES**

- Through oral and/or written arguments present logically and internally consistent arguments from a variety of sides of a contemporary global issue or event.
- Analyze, reformulate issues, and proffer solutions using the art of compassionate critical thinking.
- Through oral and/or written argument demonstrate an understanding of the interconnectedness of global events.
- Through oral and/or written arguments demonstrate an appreciation that people the world over face many of the same global issues despite their diverse values and traditions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (33 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117

**HUMANITIES (3 credits)**

Required: COM 101 Oral Communication

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

Recommended: HIST 209 World History II

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (15 credits)**

GEOG 106	World Geography	3
GLO 101	Introduction to Global Studies	3
HIST 209	World History II	3
PHIL 216	Philosophy of Human Nature	3
GLO 299	Capstone in Global Studies	3

**Choose one from the following (3 credits)**

PSC 200	Survey of Political Theory	3
PHIL 207	Social and Political Philosophy	3
PHIL 210	World Religions	3

**Choose one from the following (3 credits)**

PSC 211	Introduction to Comparative Politics	3
PSC 231	Introduction to International Relations	3

**ELECTIVES (choose 6 credits)**

ANTH 201	Peoples and Cultures of the World	3
ENV 220	Introduction to Ecological Principles	3
PSC 222	Terrorism and Political Violence	3
PSC 246	Politics of Developing Nations	3
ECON 295*	Special Topics in Economics	3
GLO 295*	Topical Issues in Global Studies	3
HIST 295*	Special Topics in History	3
PHIL 295*	Topical Issues in Philosophy	3
PSC 295*	Special Topics in Political Science	3
WMST 295*	Special Topics	3

\*Consult with Department Chair before completing this course.

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Global Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: GLOB-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
PHIL 216 Philosophy of Human Nature	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
GLO 101 Introduction to Global Studies	3
GEOG 106 World Geography	3
HIST 209 World History II <sup>1</sup>	3
PSC 200 or PHIL 207 or PHIL 210	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
PHIL 102 Reasoning and Critical Thinking	3
Complete Natural Science (no lab – see courses previous page)	3
HIST 101 or 111	3
PSC 211 or PSC 231	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Fine Arts p. 50	3
Complete Natural Science <sup>2</sup> (with lab-see courses previous page)	3-4
GLO 299 Capstone in Global Studies	3
HIST 102 or 217	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

Please Note: Any of the following – HIST 105, 106, 208, 209 – will also count for completion of the Values and Diversity general education requirement.

<sup>1</sup>Use the course list that follows “PSC 101 and two courses from the following”

<sup>1</sup>Must be a HIST course NOT already used to satisfy other areas of this degree.

<sup>3</sup>Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

<sup>4</sup>This course only offered in the spring semester.



# Graphic Communications - Graphic Design

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: GRCGD-AAS

## DESCRIPTION

This program trains people to use digital tools for employment in design and creative production fields. Although a degree is not necessary for initial employment, students who complete an AAS degree have a good chance for employment that is profitable. Students will learn concepts and approaches to technology necessary for lifelong learning. This degree is directed toward designing, producing, and assembling digital assets into professional communications and deliverables. Graphic Designer may design identity and collateral materials (like logos, brochures, advertising materials) or layouts for print or web publications. The Web Designer creates graphics, presentations (some interactive), web pages targeted for viewing on a screen.

## STUDENT LEARNING OUTCOMES

- Diagnose and provide solutions that meet spoken and visual communication challenges using graphic design appropriate for a targeted audience/market.
- Create marketable vector and bitmap artwork using a variety of techniques at a professional level using industry workflow applicable to graphic design, multimedia, and online development.
- Assemble deliverables for digital and printed communication media.
- Provide professional portfolio quality designs, illustrations, typography, and layouts.
- Model appropriate and acceptable soft skills in a team environment required for entry-level employment in the field of graphic communications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or 120 or 124 or above

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 107 or 113

### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; JOUR 102

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112, 201, 205; HIST 105 or above; HMS 130; MGT 100B, 283; PHIL 135, 216, 245; PSC 201

### NATURAL SCIENCE (3-4 credits)

AST 101, 103, 104, 105; BIOL 101; CHEM 103, 105, 107; ENV 101; GEOG 103, 104, 117; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

AM 145 or above; ANTH 204; ART 101, 105, 107, 135, 141, 160, 253; COM 133, 180; ECON 100; GEOG 106 or above; PHIL 101, 102 or above; PSY 101, 102, 206, 207, 208; SOC 101, 205, 210, 225, 261; THTR 100 or above; WMST 113

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

GRC 101	Introduction to Graphic Communications	3
GRC 103	Introduction to Computer Graphics	3
GRC 104	Layout and Typography	3
GRC 107	Introduction to Visual Design	3
GRC 110	Drawing and Illustration	2-3
GRC 119	Digital Media	3
GRC 140	Print Production with InDesign	3
GRC 156B	Design with Illustrator	3
GRC 183B	Design with Photoshop	3
GRC 205	History of Design	3
GRC 207	Electronic Design	3
GRC 278B	Advanced Design and Production	3
GRC 294B	Portfolio Prep	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
GRC 101 Introduction to Graphic Communications	3
GRC 103 Introduction to Computer Graphics	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

SECOND SEMESTER	Credits
Complete English Composition (see courses this page)	3
GRC 104 Layout and Typography	3
GRC 107 Introduction to Visual Design	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

THIRD SEMESTER	Credits
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
GRC 110 Drawing and Illustration	2
GRC 119 Digital Media	3
<b>TOTAL CREDITS</b> .....	<b>11</b>

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
GRC 140 Print Production with InDesign	3
GRC 156B Design with Illustrator	3
GRC 183B Design with Photoshop	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

FIFTH SEMESTER	Credits
Complete Natural Science (see courses this page)	3-4
GRC 205 History of Design	3
GRC 207 Electronic Design	3
<b>TOTAL CREDITS</b> .....	<b>9-10</b>

SIXTH SEMESTER	Credits
GRC 278B Advanced Design and Production	3
GRC 294B Portfolio Prep	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

**DEGREE PLAN TOTAL CREDITS..... 60-63**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 6th semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Graphic Communications - Web Design**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: GRCWD-AAS

**DESCRIPTION**

This program trains people to use digital tools for employment in design and creative production fields. Although a degree is not necessary for initial employment, students who complete an AAS degree have a good chance for employment that is profitable. Students will learn concepts and approaches to technology necessary for lifelong learning. This degree is directed toward designing, producing, and assembling digital assets into professional communications and deliverables. Graphic Designer may design identity and collateral materials (like logos, brochures, advertising materials) or layouts for print or web publications. The Web Designer creates graphics, presentations (some interactive), web pages targeted for viewing on a screen.

**STUDENT LEARNING OUTCOMES**

- Diagnose and provide solutions that meet spoken and visual communication challenges using graphic design appropriate for a targeted audience/market.
- Create marketable vector and bitmap artwork using a variety of techniques at a professional level using industry workflow applicable to graphic design, multimedia, and online development.
- Assemble deliverables for digital and printed communication media.
- Provide professional portfolio quality designs, illustrations, typography, and layouts.
- Model appropriate and acceptable soft skills in a team environment required for entry-level employment in the field of graphic communications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or 120 or 124 or above

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 107 or 113

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; JOUR 102

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105 or above; HMS 130; MGT 100B, 283; PHIL 135, 216, 245; PSC 201

**NATURAL SCIENCE (3-4 credits)**

AST 101, 103, 104, 105; BIOL 101; CHEM 103, 105, 107; ENV 101; GEOG 103, 104, 117; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 204; ART 101, 105, 107, 135, 141, 160, 253; COM 133, 180; ECON 100; GEOG 106 or above; PHIL 101, 102 or above; PSY 101, 102, 206, 207, 208; SOC 101, 205, 210, 225, 261; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

GRC 101	Introduction to Graphic Communications	3
GRC 103	Introduction to Computer Graphics	3
GRC 104	Layout and Typography	3
GRC 107	Introduction to Visual Design	3
GRC 110	Drawing and Illustration	2-3
GRC 119	Digital Media	3
GRC 140	Print Production with InDesign	3
GRC 156B	Design with Illustrator	3
GRC 175B	Web Design I	3
GRC 183B	Design with Photoshop	3
GRC 207	Electronic Design	3
GRC 275B	Web Design II	3
GRC 276B	Web Design III	3

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses this page)	3
GRC 101 Introduction to Graphic Communications	3
GRC 103 Introduction to Computer Graphics	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete English Composition (see courses this page)	3
GRC 104 Layout and Typography	3
GRC 107 Introduction to Visual Design	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
GRC 110 Drawing and Illustration	2
GRC 119 Digital Media	3
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
GRC 140 Print Production with InDesign	3
GRC 156B Design with Illustrator	3
GRC 175B Web Design I	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses this page)	3-4
GRC 183B Design with Photoshop	3
GRC 275B Web Design II	3
<b>TOTAL CREDITS</b> .....	<b>9-10</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
GRC 207 Electronic Design	3
GRC 276B Web Design III	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 6th semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Health Information Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

**LIMITED ENTRY**  
DEGREE CODE: HIT-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Health Information Technology program is an Associate of Applied Science. The HIT program combines academic courses on campus with professional practice experiences at clinical affiliate sites. Health information is used in every aspect of health care planning and delivery. A patient's health record contains vitally important information that must be analyzed, coded, stored, and protected. The health record serves as a means of communication among all members of the health care team. The documentation comes from a variety of healthcare settings. Such documentation assists in ensuring continuity of care and protects the financial and legal interests of the patient, health care facility, and responsible practitioners caring for the patient.

Upon successful completion of the program, graduates are eligible to apply to the national registry exam for certification as a Registered Health Information Technician (RHIT). The program is limited entry so students must attend a Health Sciences Orientation and meet with a program advisor.

The program is fully accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) which is located at 233 N. Michigan Ave., 21st Floor, Chicago, IL 60601-5800, (312) 233-1100.

**STUDENT LEARNING OUTCOMES**

- Conduct physician queries and evaluate diagnostic/procedural medical codes and groupings for all medical records according to current guidelines and regulations.
- Interpret healthcare law and appropriate HIM principles, procedures, and infrastructure to ensure adherence to proper maintenance and privacy, security, and confidentiality policies.
- Manage data for decision support, common research methodologies (IRB), and the processes used in selection and implementation of networks, specialized EHR software, and HIM technology solutions.
- Evaluate data and policies and procedures for revenue cycle management processes, including payment methodologies and systems, utilization review, and case management.
- Determine compliance with regards to regulatory policies and procedures, coding guidelines, abuse and fraud, and clinical documentation improvement.
- Integrate strategic and organizational processes, including financial, legal, ethical, quality, cultural, and others in an HIM setting.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (24 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (5 credits)**

Required: HHP 123B and 124B

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**U.S. AND NEVADA CONSTITUTIONS (4 credits)**

Required: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (43 CREDITS)****CORE REQUIREMENTS (41 credits)**

COT 127B	Microsoft Office for Offices	3
HIT 105B	Introduction to Health Information Management	3
HIT 106B	Healthcare Reimbursement	2
HIT 118B	Language of Medicine	3
HIT 119B	Introduction to Pharmacology and Laboratory Tests	2
HIT 130B	Procedural Terminology	1
HIT 165B	Pathophysiology	4
HIT 170B	Healthcare Computer Applications	3
HIT 184B	Introduction to ICD Coding	2
HIT 185B	Introduction to CPT Coding	3
HIT 187B	Introduction to ICD-PCS Coding	2
HIT 201B	Advanced Coding Systems	3
HIT 205B	Privacy, Legal, and Ethical Issues in Healthcare	2
HIT 206B	Professional Practice Experience I	3
HIT 207B	Health Information Management	2
HIT 240B	Healthcare Statistics and Research	1
HIT 245B	Healthcare Quality Management	2
<b>Choose one from the following (2 credits)</b>		
HIT 208B	Professional Practice Experience II	2
HIT 299B	Selected Topics in Health Information Technology	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
HHP 123B Introduction to the Human Body <sup>1</sup>	4
HHP 124B Introduction to the Human Body Computer Lab <sup>1</sup>	1
COT 127B Microsoft Office for Offices	3
HIT 105B Introduction to Health Information Management	3
HIT 118B Language of Medicine	3
<b>TOTAL CREDITS</b> .....	<b>17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete English Composition (see courses previous page)	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
PHIL 102 Reasoning and Critical Thinking	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FIRST PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 106B Healthcare Reimbursement	2
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
HIT 165B Pathophysiology	4
HIT 170 Healthcare Computer Applications	3
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>SECOND PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 130B Procedural Terminology	1
HIT 184B Introduction to ICD Coding	2
HIT 185B Introduction to CPT Coding	3
<b>TOTAL CREDITS</b> .....	<b>6</b>

<b>THIRD PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 187B Introduction to ICD-PCS Coding	2
<b>TOTAL CREDITS</b> .....	<b>2</b>

<b>FOURTH PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 201B Advanced Coding Systems	3
HIT 205B Privacy, Legal, and Ethical Issues in Healthcare	2
HIT 206B Professional Practice Experience I	3
<b>TOTAL CREDITS</b> .....	<b>8</b>

<b>FIFTH PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 207B Health Information Management	2
HIT 240B Healthcare Statistics and Research	1
HIT 245B Healthcare Quality Management	2
HIT 208B or HIT 299B	2
<b>TOTAL CREDITS</b> .....	<b>7</b>

**DEGREE PLAN TOTAL CREDITS**..... **67-69**

<sup>1</sup>BIOL 223 and 224 can be taken in lieu of HHP 123B and HHP 124B.

Please Note: Due to the high rigor of the Health Information Technology program, students should complete all general education requirements before applying to the program. Once accepted into the program, students should complete program courses within the 5 semester time-frame (including 1 summer semester).



**Medical Coding**

CERTIFICATE OF ACHIEVEMENT (CA)

**LIMITED ENTRY**

REQUIRED CREDITS: 44

DEGREE CODE: MEDCOD-CT

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The coding program is designed for students to become coding specialists with demonstrated knowledge and skills in applications of classifications and nomenclatures to health information. Coding with approved classification systems is required for direct patient care, research, and fiscal reimbursement. Recipients of the Certificate of Achievement in Medical Coding may apply to take the national certification exam given by the American Health Information Management Association. Successful candidates receive the Certified Coding Associate (CCA), Certified Coding Specialist (CCS), or Certified Coding Specialist – Physician Based (CCS-P) credential. The Medical Coding program is approved by the American Health Information Management Association, 233 N. Michigan Ave., 21st Floor, Chicago, IL 60601-5809, (312) 233-1100. The program is limited entry so students must attend a Health Sciences Orientation and meet with a program advisor.

**STUDENT LEARNING OUTCOMES**

- Analyze information from medical records for code assignment.
- Conduct physician queries and evaluate diagnostic/procedural medical codes and groupings for all medical records according to current guidelines and regulations.
- Evaluate diagnostic/procedural medical codes and groupings for inpatient, outpatient, and physician records according to current guidelines and regulations.
- Utilize HIM (Health Information Management) systems, such as EHR, encoders, and CAC software in a secure manner to manage documentation required for coding and billing.
- Evaluate revenue processes and edits for reconciliation and submission of insurance claims.
- Analyze current regulations in clinical classification systems for compliance with ethical coding and privacy and security concerns.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)**

COT 127B	Microsoft Office for Offices	3
HHP 123B	Introduction to the Human Body	4
HHP 124B	Introduction to the Human Body Computer Lab	1
HIT 105B	Introduction to Health Information Management	3
HIT 106B	Healthcare Reimbursement	2
HIT 118B	Language of Medicine	3
HIT 119B	Introduction to Pharmacology and Laboratory Tests	2
HIT 130B	Procedural Terminology	1
HIT 165B	Pathophysiology	4
HIT170B	Healthcare Computer Applications	3
HIT 184B	Introduction to ICD Coding	2
HIT 185B	Introduction to CPT Coding	3
HIT 186B	Advanced Outpatient Coding	2
HIT 187B	Introduction to ICD-PCS Coding	2
HIT 201B	Advanced Coding Systems	3
HIT 210B	Coding Practice Experience	3

Computation included in HIT 119B

Human Relations included in HIT 210B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Medical Coding**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 44

**LIMITED ENTRY**  
DEGREE CODE: MEDCOD-CT**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communication (see courses this page)	3-5
COT 127B Microsoft Office for Offices	3
HHP 123B Introduction to the Human Body <sup>1</sup>	4
HHP 124B Introduction to the Human Body Computer Lab <sup>1</sup>	1
HIT 105B Introduction to Health Information Management	3
HIT 118B Language of Medicine	3
<b>TOTAL CREDITS</b> .....	<b>17-19</b>
<b>FIRST PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 106B Healthcare Reimbursement	2
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
HIT 165B Pathophysiology	4
HIT 170 Healthcare Computer Applications	3
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SECOND PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 130B Procedural Terminology	1
HIT 184B Introduction to ICD Coding	2
HIT 185B Introduction to CPT Coding	3
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>THIRD PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 187B Introduction to ICD-PCS Coding	2
<b>TOTAL CREDITS</b> .....	<b>2</b>
<b>FOURTH PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 186 Advanced Outpatient Coding	2
HIT 201B Advanced Coding Systems	3
<b>TOTAL CREDITS</b> .....	<b>5</b>
<b>FIFTH PROGRAM SEMESTER</b>	<b>Credits</b>
HIT 210B Coding Practice Experience	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>44-46</b>

<sup>1</sup>BIOL 223 and 224 can be taken in lieu of HHP 123B and HHP124B.

Please Note: Once accepted into the program, students should complete program courses within the 5 semester time-frame (including 1 summer semester).



## Medical Transcription

### CERTIFICATE OF ACHIEVEMENT (CA)

**LIMITED ENTRY**  
DEGREE CODE: MEDTRN-C

REQUIRED CREDITS: 31

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

#### IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

#### DESCRIPTION

The transcription program prepares students to become a medical language specialist who is highly skilled in transcribing medical dictation detailing a patient's health care. As an indispensable part of the health care team, the medical transcriptionist produces medical reports which become permanent records of medical, scientific, and legal value. The Medical Transcriptionist works in hospitals, clinics, medical research and teaching centers, as well as in private medical offices of physicians and surgeons. Recipients of the Certificate of Achievement in Medical Transcription have met the minimum competencies for the American Association for Medical Transcription. Students may apply to take the certification exam to become a Certified Medical Transcriptionist (CMT).

#### STUDENT LEARNING OUTCOMES

- Demonstrate entry level competencies in medical transcription as published by American Association for Medical Transcription.
- Demonstrate skills and abilities necessary to find employment in the field.
- Demonstrate knowledge, skills, and entry level competencies needed to gain employment as a medical transcriptionist.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

##### COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

#### SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

COT 200	Word Processing I	3
ENG 107	Technical Communications I	3
HHP 123B	Introduction to the Human Body	4
HIT 118B	Language of Medicine	3
HIT 119B	Introduction to Pharmacology and Laboratory Tests	2
HIT 120B	Medical Transcription I	4
HIT 122B	Medical Transcription II	5
HIT 165B	Pathophysiology	4

Computation included in HIT 119B

Human Relations included in HIT 122B

#### FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

FIRST SEMESTER	Credits
Complete Communications (see courses this page)	3-5
COT 200 Word Processing I	3
HHP 123B Introduction to the Human Body <sup>1</sup>	4
HIT 118B Language of Medicine	3
HIT 120B Medical Transcription I	4
<b>TOTAL CREDITS</b> .....	<b>17-19</b>
SECOND SEMESTER	Credits
ENG 107 Technical Communications I	3
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
HIT 122B Medical Transcription II	5
HIT 165B Pathophysiology	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>31-33</b>

<sup>1</sup>BIOL 223 can be taken in lieu of HHP 123B.

Upon successful completion of the Medical Transcription Program and graduation from CSN, graduates can apply and sit for the transcription credentialing exams.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## History

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: HIST-AA

**DESCRIPTION**

The Associate of Arts Degree with History emphasis builds a foundation of knowledge as preparation for further academic work in history or related fields. The history faculty has also designed the program to expose students to various historical interpretations and the interplay of world, national, state, and local events. Students pursuing the degree for its own sake will explore the social, political, economic, constitutional, and cultural trends that have shaped the world in which we live.

**STUDENT LEARNING OUTCOMES**

- Demonstrate an understanding of the contours of history as a varied field of study encompassing social, political, economic, constitutional, and cultural history.
- Demonstrate an understanding of history in general, and the interplay of world, national, and/or local events in the shaping of the world in which we live, and a better appreciation of the student's role in society.
- Demonstrate appropriate oral and written communications skills.
- Demonstrate critical thinking skills.
- Demonstrate abilities to do research and find information on historical and current events..

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (37 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab):

ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**SOCIAL SCIENCE (10 credits)**

PSC 101 **and** two courses from the following, each with a different discipline; ANTH (except 102); CRJ 104; ECON; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

Required: HIST 101 **and** 102

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (23 CREDITS)****CORE REQUIREMENTS (11-12 credits)**

HIST 217	Nevada History	3
HIST 251	Introduction to Historical Methods	3
HIST 295	Special Topics in History	2-3
	Any 3 credit History Elective	3
	<i>See a counselor to select course</i>	

**Choose one from the following (3 credits)**

HIST 105	European Civilization to 1648	3
HIST 208	World History I	3

**Choose one from the following (3 credits)**

HIST 106	European Civilization Since 1648	3
HIST 209	World History II	3

**FINE ARTS**

ART; DAN 101; MUS; THTR 3

**HUMANITIES**

COM 101; ENG 231H or above; World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST 3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



History

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: HIST-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
PHIL 102 Reasoning and Critical Thinking	3
Complete Social Science <sup>1</sup> (see courses previous page)	3
HIST 105 or HIST 208	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
PSC 101 Introduction to American Politics	4
Complete Humanities (see courses previous page)	3
HIST 101 U.S. History to 1877	3
HIST 106 or HIST 209	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Science (no lab-see courses previous page)	3
Complete Fine Arts (see courses previous page)	3
HIST 102 U.S. History Since 1877	3
HIST 217 Nevada History	3
Complete Any 3 Credit HIST Elective <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 223 or above	3
Complete Natural Science <sup>3</sup> (with lab-see courses previous page)	3-4
Complete Social Science <sup>1</sup> (see courses previous page)	3
HIST 251 Introduction to Historical Methods <sup>4</sup>	3
HIST 295 Special Topics in History	2-3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

Please Note: Any of the following – HIST 105, 106, 208, 209 – will also count for completion of the Values and Diversity general education requirement.

<sup>1</sup>Use the course list that follows “PSC 101 and two courses from the following”

<sup>2</sup>Must be a HIST course NOT already used to satisfy other areas of this degree.

<sup>3</sup>Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

<sup>4</sup>This course only offered in the spring semester.



## Hospitality Management

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: HMD-AA

### DESCRIPTION

The Associate of Arts (AA) degree with a Hospitality Management emphasis is specifically designed for the student who intends to transfer to the William F. Harrah College of Administration at UNLV. This AA degree is fully articulated with UNLV and the hotel college.

### STUDENT LEARNING OUTCOMES

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

#### MATHEMATICS (3 credits)

MATH 124 or above

#### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

#### LITERATURE (3 credits)

See AA/AB/AS policy p. 49 for courses

#### ANALYTICAL REASONING (3 credits)

Required: PHIL 102 Reasoning and Critical Thinking

#### NATURAL SCIENCE (7 credits)

ENV 101; and one course from the following which must include a lab:  
ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; GEOG 103,  
104, 117; GEOL; PHYS

#### HUMANITIES (6 credits)

Required: COM 101 and ENG 231

#### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

#### U.S. AND NEVADA CONSTITUTIONS (4 credits)

Required: PSC 101 Introduction to American Politics

#### VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. ENG 231 fulfills this requirement.

### SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

HMD 101	Introduction to the Hospitality Industry	3
HMD 202	Housekeeping Operations	3
HMD 203	Front-Office Operations	3
HMD 226	Industry Computer Applications for Hospitality and Tourism	3
HMD 253	Hospitality Services Management	3
HMD 259	Human Resources Management in the Hospitality Industry	3
HMD 295	Work Experience in Lodging Operations	1
TCA 201	Hospitality Career Development	3
TCA 221	Hospitality Accounting I	3

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

	Credits
<b>FIRST SEMESTER</b>	
HMD 101 Introduction to the Hospitality Industry	3
Complete AA English Composition p. 49	3-5
PHIL 102 Reasoning and Critical Thinking	3
Complete AA Fine Arts p. 50	3
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	
HMD 202 Housekeeping Operations	3
HMD 203 Front-Office Operations	3
Complete Mathematics (see courses this page)	3
Complete AA English Composition p. 49	3
ENG 231 World Literature I	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	
HMD 226 Industry Computer Applications for Hospitality and Tourism	3
HMD 253 Hospitality Services Management	3
HMD 259 Human Resources Management in the Hospitality Industry	3
Complete AA Literature p. 49	3
ENV 101 Introduction to Environmental Science	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	
HMD 295 Work Experience in Lodging Operations	1
TCA 201 Hospitality Career Development	3
TCA 221 Hospitality Accounting I	3
Complete Natural Science (see courses this page) <sup>1</sup>	4
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-63</b>

<sup>1</sup>Choose from the list of courses that follows "Select one of the following which must include a lab..."

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Hotel Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: HMD-AAS

**DESCRIPTION**

This degree provides students the opportunity to seek employment in an entry-level supervisory position, or for those already in the hotel industry, an opportunity for professional growth and career advancement.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shore.intercom.net](mailto:aoc@shore.intercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net).

**STUDENT LEARNING OUTCOMES**

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or 124

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communications

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above (except 201); THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)****CORE REQUIREMENTS (33 credits)**

FAB 102	Food Service Sanitation II	2
HMD 101	Introduction to the Hospitality Industry	3
HMD 202	Housekeeping Operations	3
HMD 203	Front-Office Operations	3
HMD 226	Industry Computer Applications for Hospitality and Tourism	3
HMD 235	Hotel, Restaurant and Gaming Law	3
HMD 253	Hospitality Services Management	3
HMD 259	Human Resources Management in the Hospitality Industry	3
HMD 295	Work Experience in Lodging Operations	1
TCA 180	Hotel, Restaurant and Casino Marketing	3
TCA 201	Hospitality Career Development	3
TCA 221	Hospitality Accounting I	3

**ELECTIVES (choose 6 credits)**

FAB 112	Restaurant Management I	3
FAB 160	Hospitality Purchasing	3
GAM 225	Introduction to Gaming Management	3
TCA 110	Introduction to the Convention Industry	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Hotel Management**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: HMD-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition (see courses previous page)	3-5
Complete Human Relations (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
HMD 101 Introduction to the Hospitality Industry	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
Complete Natural Science (see courses previous page)	3
HMD 202 Housekeeping Operations	3
HMD 203 Front-Office Operations	3
HMD 226 Industry Computer Applications for Hospitality and Tourism	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS US/NV Constitutions <sup>1</sup> p. 51	4-6
FAB 102 Food Service Sanitation II	2
HMD 235 Hotel, Restaurant and Gaming Law	3
HMD 253 Hospitality Services Management <sup>2</sup>	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
HMD 259 Human Resources Management in the Hospitality Industry	3
HMD 295 Work Experience in Lodging Operations	1
TCA 180 Hotel, Restaurant and Casino Marketing	3
TCA 201 Hospitality Career Development	3
TCA 221 Hospitality Accounting I	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>61-65</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, take HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

<sup>2</sup>Prerequisite for this course is HMD 101; and ENG 102 or ENG 114. Completion of the ENG portion of this prerequisite gives you additional credits above the total for this degree.



**Hotel Management**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 34

DEGREE CODE: HMD-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Hotel Management provides students the opportunity to seek employment in an entry-level position, or for those already in the hotel industry, an opportunity for professional growth and career advancement.

**STUDENT LEARNING OUTCOMES**

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6-8 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

HMD 101	Introduction to the Hospitality Industry	3
HMD 202	Housekeeping Operations	3
HMD 203	Front-Office Operations	3
HMD 226	Industry Computer Applications for Hospitality and Tourism	3
HMD 235	Hotel, Restaurant and Gaming Law	3
HMD 253	Hospitality Services Management	3
HMD 259	Human Resources Management in the Hospitality Industry	3
HMD 295	Work Experience in Lodging Operations	1
TCA 180	Hotel, Restaurant and Casino Marketing	3
TCA 221	Hospitality Accounting I	3

Computation included in MATH 104B

Human Relations included in HMD 259

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
Complete Communications (see courses this page)	3-5
HMD 101 Introduction to the Hospitality Industry	3
HMD 202 Housekeeping Operations	3
HMD 226 Industry Computer Applications for Hospitality and Tourism	3
MATH 104B Applied Mathematics	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	Credits
HMD 203 Front-Office Operations	3
HMD 235 Hotel, Restaurant and Gaming Law	3
HMD 253 Hospitality Services Management	3
HMD 259 Human Resource Management in the Hospitality Industry	3
HMD 295 Work Experience in Lodging Operations	1
TCA 180 Hotel, Restaurant and Casino Marketing	3
TCA 221 Hospitality Accounting I	3
<b>TOTAL CREDITS</b> .....	<b>19</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>34-36</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Journalism/Media Studies - Advertising/Public Relations**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: JOURAPR-AA

**DESCRIPTION**

The Associate of Arts in Journalism/Media Studies has two tracks: news production and advertising/public relations. Students will complete a core set of classes and then choose a track they wish to follow pertaining to their specific interests.

In this program, students will be provided with the most current and relevant instruction in the field of journalism and integrated marketing communications. Students entering the field of journalism need the skills to compete in the multimedia landscape. The news production track focuses on writing, reporting, analyzing, and producing media for print, online, and broadcast. The advertising/public relations tract focuses on public relations (PR), advertising, direct marketing, and multimedia communication for careers in PR and advertising. Both tracks give students the base knowledge needed for higher education and gainful employment.

**STUDENT LEARNING OUTCOMES**

- Develop journalistic news judgment, values, and ethics to increase media literacy and competencies in this field.
- Improve journalistic skills including research, reporting, interviewing, and writing.
- Produce journalistic currency that may include: news articles written in various styles; broadcast news packages for radio and television; advertising, public relations, and marketing materials; and visual media including videos, photographs, and websites.
- Integrate modern-day equipment to produce media including computers and software, radio and television apparatus such as cameras and microphones, news-website operating systems, social-media websites, and digital media such as MP3 files.
- Transform skills to work situations including internships and production courses.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

Recommended: ECON 100 and PSY 101 and SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing PSY 101 as recommended for the "Social Science" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

COM 101	Oral Communication	3
JOUR 100	Introduction to Journalism and Media Studies	3
JOUR 101	Critical Analysis of the Mass Media	3
JOUR 102	News Reporting and Writing	3
JOUR 210	Introduction to Public Relations	3
JOUR 220	Fundamentals of Applied Media Aesthetics	3
JOUR 261	Introduction to IMC	3
JOUR 276	Design Principles for Advertising/Publications	3
<b>Choose from the following (2-3 credits)</b>		
COM 196	Internship	1-3
JOUR 290	Internship in Journalism	1-3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Journalism/Media Studies - Advertising/Public Relations**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: JOURAPR-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
Complete Social Science (see courses previous page)	3
COM 101 Oral Communication	3
JOUR 100 Introduction to Journalism and Media Studies	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete Social Science (see courses previous page)	3
JOUR 102 News Reporting and Writing	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
JOUR 101 Critical Analysis of the Mass Media	3
JOUR 220 Fundamentals of Applied Media Aesthetics	3
JOUR 261 Introduction to IMC	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 223 Themes of Literature	3
Complete AA/AB/AS Natural Science <sup>1</sup> (With Lab) p. 50	3-4
JOUR 210 Introduction to Public Relations	3
JOUR 276 Design Principles for Advertising/Publications	3
COM 196 or JOUR 290	2
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.



**Journalism/Media Studies - News Production**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: JOURNP-AA

**DESCRIPTION**

The Associate of Arts in Journalism/Media Studies has two tracks: news production and advertising/public relations. Students will complete a core set of classes and then choose a track they wish to follow pertaining to their specific interests.

In this program, students will be provided with the most current and relevant instruction in the field of journalism and integrated marketing communications. Students entering the field of journalism need the skills to compete in the multimedia landscape. The news production track focuses on writing, reporting, analyzing, and producing media for print, online, and broadcast. The advertising/public relations tract focuses on public relations (PR), advertising, direct marketing, and multimedia communication for careers in PR and advertising. Both tracks give students the base knowledge needed for higher education and gainful employment.

**STUDENT LEARNING OUTCOMES**

- Develop journalistic news judgment, values, and ethics to increase media literacy and competencies in this field.
- Improve journalistic skills including research, reporting, interviewing, and writing.
- Produce journalistic currency that may include: news articles written in various styles; broadcast news packages for radio and television; advertising, public relations, and marketing materials; and visual media including videos, photographs, and websites.
- Integrate modern-day equipment to produce media including computers and software, radio and television apparatus such as cameras and microphones, news-website operating systems, social-media websites, and digital media such as MP3 files.
- Transform skills to work situations including internships and production courses.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

Recommended: ECON 100 and PSY 101 and SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing PSY 101 as recommended for the "Social Science" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

COM 101	Oral Communication	3
JOUR 100	Introduction to Journalism and Media Studies	3
JOUR 101	Critical Analysis of the Mass Media	3
JOUR 102	News Reporting and Writing	3
JOUR 105	News Production I	3
JOUR 121	Radio Production	3
JOUR 202	Electronic Media Production I	3
JOUR 220	Fundamentals of Applied Media Aesthetics	3

**Choose from the following (2-3 credits)**

COM 196	Internship	1-3
JOUR 290	Internship in Journalism	1-3

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Journalism/Media Studies - News Production**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: JOURNP-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
Complete Social Science (see courses previous page)	3
COM 101 Oral Communication	3
JOUR 100 Introduction to Journalism and Media Studies	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete Social Science (see courses previous page)	3
JOUR 102 News Reporting and Writing	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
JOUR 101 Critical Analysis of the Mass Media	3
JOUR 220 Fundamentals of Applied Media Aesthetics	3
JOUR 121 Radio Production	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 223 Themes of Literature	3
Complete AA/AB/AS Natural Science <sup>1</sup> (With Lab) p. 50	3-4
JOUR 105 News Production I	3
JOUR 202 Electronic Media Production I	3
COM 196 or JOUR 290	2
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.





## Latin American and Latina/o Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: LAS-AA

**DESCRIPTION**

This interdisciplinary degree offers courses on Latin America and Latinas/Latinos in the United States. It aims at providing an overview of the historical, political, cultural, financial, psychological, and artistic factors that have contributed to create the current conditions, identity, and diversity of these groups. The program prepares students for further education and careers in areas such as education, humanities, social sciences, business, counseling, and the media.

**STUDENT LEARNING OUTCOMES**

- Analyze a variety of historical, political, economic, geographic, and social issues that define Latin America and/or U.S. Latina/os.
- Examine the diversity and complexity of cultures, traditions, and artistic expressions found throughout Latin America and/or the U.S. Latina/o population.
- Demonstrate language competency equal to a one-year sequence in Spanish or Portuguese at the college level.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (35 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (7 credits)**

(Two courses from the following, one must include a lab):

AST; BIOL; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

COM 101; and ENG 292 or ENG 293

**FINE ARTS (3 credits)**

ART 267 or ART 278; or MUS 229

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. LAS 101 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (4 credits)**

LAS 101	Introduction to Latin American Studies	3
LAS 299	Capstone Class in Latin American Studies	1
<b>Elective #1 (3 credits)</b>		
LAS 100	Introduction to Latina/o Studies	3
LAS 210	Hispanic Groups in the United States	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED****Elective #2 (choose a group 6-8 credits)***Group 1:*

PORT 111	First Year Portuguese I	4
PORT 112	First Year Portuguese II	4
PORT 211	Second Year Portuguese I	3
PORT 212	Second Year Portuguese II	3

*Group 2:*

SPAN 111	First Year Spanish I	4
SPAN 112	First Year Spanish II	4
SPAN 211	Second Year Spanish I	3
SPAN 212	Second Year Spanish II	3

*Group 3:*

SPAN 126	Introduction to Spanish for Heritage Speakers	3
SPAN 226	Spanish for Heritage Speakers I	3
SPAN 227	Spanish for Heritage Speakers II	3

**Elective #3 (3 credits)**

ENG 211	Introduction to Linguistics	3
LAS 223	Spanish Caribbean Culture	3
LAS 224	Mexican Culture	3

**Elective #4 (choose 9 credits)**

ANTH 214	Introduction to Mesoamerican Prehistory and Archaeology	3
ECON 180	The Economics of Discrimination	3
HIST 227	Introduction to Latin American History and Culture I	3
HIST 228	Introduction to Latin American History and Culture II	3
HIST 247	Introduction to the History of Mexico	3
PSC 205	Latino Politics and Society	3
PSY 224	Introduction to Latino Psychology	3
RST 260	Mesoamerican Religions: Jaguars, Serpents, Trees	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Latin American and Latina/o Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: LAS-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
Complete Natural Science (No Lab – see courses previous page)	3
LAS 101 Introduction to Latin American Studies	3
Complete Elective #2 (see courses previous page)	3-4
<b>TOTAL CREDITS</b> .....	<b>15-18</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete Natural Science (With Lab – see courses previous page)	4
Complete Elective #1 (see courses previous page)	3
Complete Elective #2 (see courses previous page) <sup>1</sup>	3-4
<b>TOTAL CREDITS</b> .....	<b>16-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
COM 101 Oral Communication	3
Complete Fine Arts (see courses previous page)	3
Complete US/Nevada Constitutions <sup>2</sup> (see courses previous page)	4-6
Complete Elective #4 (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 292 or 293	3
LAS 299 Capstone Class in Latin American Studies	1
Complete Elective #3 (see courses previous page)	3
Complete Elective #4 (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-66</b>

<sup>1</sup>Continue with next class in the group you chose to follow in your first semester.<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the 3rd semester and HIST 102 or 217 in the 4th semester.

**Marketing**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: MKTNG-AAS

**DESCRIPTION**

This degree prepares students for careers in advertising, retail sales, and marketing. The program includes a comprehensive exposure to marketing principles and business related issues.

**STUDENT LEARNING OUTCOMES**

- Explain current marketing, merchandising, and retail management theories and how they apply to organizational settings.
- Apply marketing and merchandising strategies to real-life retail settings.
- Explain the characteristics of marketing and merchandising plans used in retail establishments.
- Demonstrate the latest techniques and trends in marketing and merchandising practices.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

BUS 109B; or MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)**

**CORE REQUIREMENTS (30 credits)**

BUS 101	Introduction to Business	3
IS 101	Introduction to Information Systems	3
MGT 201	Principles of Management	3
MKT 123	Sales Promotion	3
MKT 127	Introduction to Retailing	3
MKT 132	Sales Management	3
MKT 210	Marketing Principles	3
MKT 211	Introduction to Professional Sales	3
MKT 250	Introduction to International Marketing	3
MKT 261	Introduction to Public Relations	3

**ELECTIVES (choose 9 credits)**

ACC 135B	Bookkeeping I	3
ACC 201	Financial Accounting	3
BUS 102B	Entrepreneurship and Innovation	3
BUS 106B	Business English	3
BUS 107	Business Speech Communication	3
BUS 108	Business Letters and Reports	3
BUS 271	Introduction to Employment Law	3
BUS 273	Business Law I	3
BUS 274	Business Law II	3
BUS 280B	Legal Aspects of International Business	1-3
BUS 290B	Internship in Business	3
MGT 103	Introduction to Small Business Management	3
MGT 212	Leadership and Human Relations	3
MGT 235	Organizational Behavior	3
MGT 283	Introduction to Human Resources Management	3
MGT 284B	Introduction to International Management	3
MGT 294B	Seminar in Management	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Marketing**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: MKTNG-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 107 or 113	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
BUS 101 Introduction to Business	3
MKT 123 Sales Promotions	3
MKT 127 Introduction to Retailing	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Natural Science p. 51	3
MKT 132 Sales Management	3
MGT 201 Principles of Management	3
MKT 210 Marketing Principles	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
MKT 211 Introduction to Professional Sales	3
MKT 250 Introduction to International Marketing	3
MKT 261 Introduction to Public Relations	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-65**

<sup>1</sup>PSC 101 satisfies this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third or fourth semester.



**Medical Laboratory Scientist**  
BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 120

**LIMITED ENTRY**  
DEGREE CODE: MLS-BAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Medical Laboratory Scientist (MLS) is an important member of the health care team in hospitals, clinics, medical research and teaching centers, and is an indispensable participant with physicians in providing critical diagnostic information. The MLS functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The Medical Laboratory Scientist performs and interprets diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis, and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine maintenance; analyzes and corrects instrument problems; researches, evaluates, and implements new procedures; and may be responsible for fiscal/personnel management of laboratory.

The Bachelor of Applied Science degree in Medical Laboratory Scientist combines academic and laboratory courses on campus with practical experience at clinical affiliate sites. The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (877) 939-3597. Students successfully completing the program are eligible to take a national certifying examination.

**STUDENT LEARNING OUTCOMES**

- Select appropriate courses of action in accordance with established laboratory procedures.
- Assess and correlate clinical and/or laboratory data through application of theory and principles.
- Evaluate and perform full range of clinical laboratory procedures, including quality assurance and quality control.
- Differentiate and resolve technical, instrument, and/or physiologic causes of unexpected or abnormal data.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (51 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 124 or above

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (6 credits)**

ENG 102 or 114; or COM 101; and ENG 333

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

**NATURAL SCIENCE (23 credits)**

BIOL 196, 197, 325; or BIOL 223, 224, 325 and CHEM 110, 111, 220; or CHEM 121, 122, 220

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)**

PHIL 302 and PHIL 311 and 3 credits from the following: AM; ANTH; ART; COM; ECON; ENG 223 or above; GEOG 106 or above; HIST; World Languages; Music; PHIL; PSC; PSY; SOC; THTR; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (69 CREDITS)**

**CORE REQUIREMENTS (66 credits)**

CLS 151	Phlebotomy	2
CLS 152	Applied Phlebotomy	2
CLS 161	Urinalysis and Body Fluids	1
CLS 162	Applied Urinalysis and Body Fluids	1
CLS 241	Clinical Chemistry I	3
CLS 242	Applied Clinical Chemistry I	2

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

CLS 251	Immunology/Immunoematology I	2
CLS 252	Applied Immunology/Immunoematology I	2
CLS 265	Laboratory Operations I	1
CLS 271	Clinical Microbiology I	3
CLS 272	Applied Clinical Microbiology I	2
CLS 291	Hematology I	2
CLS 292	Applied Hematology I	2
CLS 361	Urinalysis and Body Fluids II	2
CLS 365	Laboratory Operations II	1.5
CLS 446	Clinical Chemistry II	2
CLS 447	Applied Clinical Chemistry II	1
CLS 448	Hematology II	2
CLS 449	Applied Hematology II	1
CLS 456	Immunology/Immunoematology II	2
CLS 457	Applied Immunology/ Immunoematology II	1
CLS 476	Clinical Microbiology II	2
CLS 477	Applied Clinical Microbiology II	1
CLS 478	Research Methods	2
CLS 486	CLS Clinical Chemistry Review	1.5
CLS 487	CLS Hematology Review	1.5
CLS 488	CLS Immunology/Immunoematology Review	1.5
CLS 489	CLS Clinical Microbiology Review	1.5
CLS 490	CLS General Laboratory & Urinalysis Review	1.5
CLS 491	Clinical Practicum - Chemistry	4
CLS 493	Clinical Practicum - Immunology/ Immunoematology	4
CLS 495	Clinical Practicum - Microbiology	4
CLS 497	Clinical Practicum - Hematology	4

**Statistics Elective (3-4 credits)**

STAT 152	Introduction to Statistics	3
ECON 261	Principles of Statistics I	3
PSY 210	Introduction to Statistical Methods	4
SOC 210	Introduction to Statistical Methods	4

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Medical Laboratory Scientist**  
BACHELOR OF APPLIED SCIENCE (BAS)

REQUIRED CREDITS: 120

**LIMITED ENTRY**  
DEGREE CODE: MLS-BAS

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

**PLEASE NOTE:**

- Due to the high rigor of the MLS program, it is highly recommended that students complete all general education requirements before applying to the program.
- CLS courses must be taken in the order indicated.

<b>FIRST SEMESTER (Summer)</b>	<b>Credits</b>
MATH 124 or above <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>3</b>

<b>SECOND SEMESTER (Fall)</b>	<b>Credits</b>
Complete English Composition (see courses previous page)	3-5
Complete Human Relations (see courses previous page)	3
CHEM 110 or 121 <sup>2</sup>	4
Complete Statistics Elective	3-4
<b>TOTAL CREDITS</b> .....	<b>13-16</b>

<b>THIRD SEMESTER (Spring)</b>	<b>Credits</b>
BIOL 196 <sup>3</sup> or 223	4
CHEM 111 or 122	4
Complete US/Nevada Constitutions <sup>4</sup> (see courses previous page)	4-6
<b>TOTAL CREDITS</b> .....	<b>12-14</b>

<b>FOURTH SEMESTER (Summer)</b>	<b>Credits</b>
CHEM 220 Introductory Organic Chemistry	4
<b>TOTAL CREDITS</b> .....	<b>4</b>

<b>FIFTH SEMESTER (Fall)</b>	<b>Credits</b>
Complete Communications (see courses previous page)	6
PHIL 302 Intermediate Reasoning and Critical Thinking	3
Complete Fine Arts/Humanities/Social Science <sup>5</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

<b>SIXTH SEMESTER (Spring)</b>	<b>Credits</b>
CLS 161 Urinalysis and Body Fluids	1
CLS 162 Applied Urinalysis and Body Fluids	1
CLS 265 Laboratory Operations I	1
CLS 271 Clinical Microbiology I	3
CLS 272 Applied Clinical Microbiology I	2
<b>TOTAL CREDITS</b> .....	<b>8</b>

<b>SEVENTH SEMESTER (Fall)</b>	<b>Credits</b>
BIOL 197 or 224	4
CLS 151 Phlebotomy	2
CLS 152 Applied Phlebotomy	2
CLS 241 Clinical Chemistry I	3
CLS 242 Applied Clinical Chemistry I	2
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>EIGHTH SEMESTER (Spring)</b>	<b>Credits</b>
BIOL 325 Molecular Diagnostics	3
CLS 251 Immunology/Immunohematology	2
CLS 252 Applied Immunology/Immunohematology	2
CLS 291 Hematology I	2
CLS 292 Applied Hematology I	2
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>NINTH SEMESTER (Fall)</b>	<b>Credits</b>
CLS 476 Clinical Microbiology II	2
CLS 477 Applied Clinical Microbiology II	1
CLS 448 Hematology II	2
CLS 449 Applied Hematology II	1
CLS 478 Research Methods	2
CLS 361 Urinalysis and Body Fluids II	2
<b>TOTAL CREDITS</b> .....	<b>10</b>

<b>TENTH SEMESTER (Spring)</b>	<b>Credits</b>
PHIL 311 Professional Ethics	3
CLS 365 Laboratory Operations II	1.5
CLS 446 Clinical Chemistry II	2
CLS 447 Applied Clinical Chemistry II	1
CLS 456 Immunology/Immunohematology II	2
CLS 457 Applied Immunology/Immunohematology II	1
<b>TOTAL CREDITS</b> .....	<b>10.5</b>

<b>ELEVENTH SEMESTER (Fall)</b>	<b>Credits</b>
CLS 491 Clinical Practicum - Chemistry	4
CLS 493 Clinical Practicum - Immunology/Immunohematology	4
CLS 495 Clinical Practicum - Microbiology	4
CLS 497 Clinical Practicum - Hematology	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>TWELFTH SEMESTER (Spring)</b>	<b>Credits</b>
CLS 486 CLS Clinical Chemistry Review	1.5
CLS 487 CLS Hematology Review	1.5
CLS 488 CLS Immunology/Immunohematology Review	1.5
CLS 489 CLS Clinical Microbiology Review	1.5
CLS 490 CLS General Laboratory & Urinalysis Review	1.5
<b>TOTAL CREDITS</b> .....	<b>7.5</b>

**DEGREE PLAN TOTAL CREDITS**..... **120-125**

<sup>1</sup>The prerequisite for MATH 124 includes MATH 096 or 097 with a grade of C or better; or a satisfactory ACT/SAT/Placement test score.

<sup>2</sup>CHEM 121 requires CHEM 103 or CHEM 110 or a passing score on the Chemistry Placement Exam.

<sup>3</sup>Students planning to apply to the BAS MLS program should take BIOL 196.

<sup>4</sup>PSC 101 completes this requirement at 4 credits. If choosing the HIST option, take HIST 101 in the second semester and see a counselor for when to take either HIST 102 or 217 in a different semester.

<sup>5</sup>Under the "Fine Arts/Humanities/Social Science" heading on the General Education Requirements side, select from the choices that follow the sentence fragment "Plus 3 credits from the following..."





**Medical Laboratory Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 66

**LIMITED ENTRY**  
DEGREE CODE: MLTECH-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Medical Laboratory Technician (MLT) is an important member of the health care team in hospitals, clinics, medical research, and teaching centers, and is an indispensable participant with physicians in providing critical diagnostic information. The MLT functions as a dependable, ambitious, and highly motivated professional capable of handling high stress situations with ease and confidence.

The MLT performs diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis, and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine preventive maintenance and troubleshoots instrument problems; and participates in research and evaluation of new procedures.

The Medical Laboratory Technology program is a two year program. It combines academic and laboratory courses on campus with practical experience at clinical affiliates. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (847) 939-3597. Students successfully completing the program are eligible to take the National Certification examination.

Upon successful completion of the above, the student may apply to the State of Nevada for the required license as a Medical Technician.

**STUDENT LEARNING OUTCOMES**

- Assess and correlate clinical and/or laboratory data through the application of theory and principles.
- Perform and/or interpret laboratory calculations.
- Select appropriate courses of action in accordance with established laboratory procedures.
- Evaluate laboratory data to recognize, and report, clinically relevant results according to established procedures.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 124 or above

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

ENG 102 or 114

**HUMAN RELATIONS (3 credits)**

Recommended: PHIL 135 Introduction to Ethics

**NATURAL SCIENCE (12 credits)**

BIOL 189 or 196 and CHEM 110 and 111; or CHEM 121 and 122

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: COM 101 Oral Communication

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)**

CLS 151	Phlebotomy	2
CLS 152	Applied Phlebotomy	2
CLS 153	Phlebotomy Clinical Practicum	2
CLS 161	Urinalysis and Body Fluids	1
CLS 162	Applied Urinalysis and Body Fluids	1
CLS 241	Clinical Chemistry I	3
CLS 242	Applied Clinical Chemistry I	2
CLS 251	Immunology/Immunohematology I	2
CLS 252	Applied Immunology/Immunohematology I	2
CLS 265	Laboratory Operations I	1
CLS 271	Clinical Microbiology I	3
CLS 272	Applied Clinical Microbiology I	2
CLS 291	Hematology I	2
CLS 292	Applied Hematology I	2
CLS 294	Clinical Practicum I	2
CLS 295	Clinical Practicum II	2
CLS 296	Clinical Practicum III	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Medical Laboratory Technician**  
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 66

**LIMITED ENTRY**  
DEGREE CODE: MLTECH-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
PHIL 135 Introduction to Ethics	3
BIOL 189 or BIOL 196 <sup>1</sup>	4
<b>TOTAL CREDITS</b> .....	<b>13-15</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or ENG 114	3
CHEM 110 or CHEM 121 <sup>2</sup>	4
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
CHEM 111 or CHEM 122	4
CLS 161 Urinalysis and Body Fluids	1
CLS 162 Applied Urinalysis and Body Fluids	1
CLS 265 Laboratory Operations I	1
CLS 271 Clinical Microbiology I	3
CLS 272 Applied Clinical Microbiology I	2
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
CLS 294 Clinical Practicum I	2
<b>TOTAL CREDITS</b> .....	<b>2</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
CLS 151 Phlebotomy	2
CLS 152 Applied Phlebotomy	2
CLS 153 Phlebotomy Clinical Practicum	2
CLS 241 Clinical Chemistry I	3
CLS 242 Applied Clinical Chemistry I	2
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
CLS 251 Immunology/Immunohematology I	2
CLS 252 Applied Immunology/Immunohematology I	2
CLS 291 Hematology I	2
CLS 292 Applied Hematology I	2
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>SEVENTH SEMESTER</b>	<b>Credits</b>
CLS 295 Clinical Practicum II	2
CLS 296 Clinical Practicum III	4
<b>TOTAL CREDITS</b> .....	<b>6</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>66-68</b>

<sup>1</sup>Students planning to apply to the Bachelor of Science Medical Laboratory Scientist Program should take BIOL 196.

<sup>2</sup>Prerequisite for CHEM 121 is CHEM 103 or CHEM 110; or a passing score on the Chemistry Placement Exam.



This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

As a medical assistant, you will be a multi-skilled professional, dedicated to assisting in patient care management. You will be trained to perform administrative and clinical/laboratory duties and may manage emergency situations, facilities, and/or personnel. The clinical duties of medical assistants include preparing patients for examinations and treatments; taking vital signs and medical histories, sterilizing instruments; performing diagnostic tests and basic laboratory procedures; and assisting the physician with examinations and minor office surgery. Administrative duties include scheduling and receiving patients; obtaining patient data; establishing and maintaining confidential medical records; handling telephone calls, preparing correspondence and reports; purchasing supplies and maintaining equipment; and assuming responsibility for the daily office business.

The Medical Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of Curriculum Review Board of The American Association of Medical Office Assistants Endowment (CRB-AAMAE). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

**STUDENT LEARNING OUTCOMES**

- Demonstrate competencies necessary to challenge the national certification examination and earn a certified credential.
- Demonstrate the skills and abilities necessary to find employment in the field or continue with their education in pursuit of a degree.
- Demonstrate entry level competencies as defined by the Medical Assisting Education Review Board.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**  
ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)**

CLS 130B	Laboratory Procedures for Medical Office Assistants	2
CLS 131B	Applied Laboratory Procedures for Medical Office Assistants	1
COT 127B	Microsoft Office for Offices	3
HIT 102B	Coding for Medical Offices	2
HIT 118B	Language of Medicine	3
HIT 119B	Introduction to Pharmacology and Laboratory Tests	2
MA 104B	Introduction to Medical Assisting	2
MA 106B	The Body in Health and Disease I	4
MA 107B	Medical Assistant Techniques	4
MA 110B	Medical Assistant Techniques II	4
MA 120B	Medical Office Management	3
MA 130B	Clinical Externship	3
MA 131B	Externship Seminar	1
MA 195B	Application of Medical Assisting Concepts	2

Computation included in MA 110B

Human Relations included in MA 130B

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Medical Assisting**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 39**

**LIMITED ENTRY**  
**DEGREE CODE: MA-CT**

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communication (see courses previous page)	3-5
COT 127B Microsoft Office for Offices	3
HIT 118B Language of Medicine	3
MA 104B Introduction to Medical Assisting	2
<b>TOTAL CREDITS.....</b>	<b>11-13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
MA 106B The Body in Health and Disease I <sup>1</sup>	4
MA 107B Medical Assistant Techniques <sup>1</sup>	4
CLS 130B Laboratory Procedures for Medical Office Assistants <sup>1</sup>	2
CLS 131B Applied Laboratory Procedures for Medical Office Assistants <sup>1</sup>	1
<b>TOTAL CREDITS.....</b>	<b>13</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
HIT 102B Coding for Medical Offices <sup>1</sup>	2
MA 110B Medical Assistant Techniques II <sup>1</sup>	4
MA 120B Medical Office Management <sup>1</sup>	3
<b>TOTAL CREDITS.....</b>	<b>9</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
MA 130B Clinical Externship	3
MA 131B Externship Seminar	1
MA 195B Application of Medical Assisting Concepts	2
<b>TOTAL CREDITS.....</b>	<b>6</b>
<b>DEGREE PLAN TOTAL CREDITS.....</b>	<b>39-41</b>

<sup>1</sup>This course offered in the Spring and Fall only.

**NOTE:**

- This is a limited entry program and it is required that students complete all prerequisite courses before applying to the program.
- Qualified applicants must have a high school diploma or GED equivalent and a minimum cumulative GPA of 2.0 or better for program prerequisites.
- Prerequisites for the MA program may be attempted three times. All attempts including withdrawals, audits and grades will be counted. The highest grade will be used for the GPA calculation.
- All MA courses, with the exception of prerequisite courses, can only be taken once accepted into the MA program, and then must be taken in the order indicated.

Upon successful completion of the MA Program and graduation from CSN, graduates will be able to apply and sit for the CMA National Certificate Exam. Please note, courses only pertaining to the MA Program do not transfer to most colleges/universities should the student wish to transfer to another institution



## Music

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: MUS-AA

**STUDENT LEARNING OUTCOMES**

- Demonstrate fluency in the written language of music, including the ability to read and write in multiple clefs, recognize and construct various musical devices including chords, scales, intervals, rhythms, and harmonization in traditional and contemporary styles.
- Demonstrate literacy in the historical styles of music, including the ability to recognize Western musical forms and styles from the Middle Ages through the twentieth century.
- Acquire broad experience in applied music, through piano proficiency examinations, private instruction on voice or an instrument, and required ensemble participation.
- Demonstrate expanded knowledge of diversity and technology, issues which have significant impact upon the ever-changing fields of music history, theory, and performance.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

Recommended: BIOL 122 and GEOG 103

**SOCIAL SCIENCE (9 credits)**

Recommended: ANTH 101 and ECON 100 and PSY 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing any of the following recommended courses satisfies this requirement: ENG 223 or ANTH 101 or PSY 101.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

MUS 131	Introduction to Music Literature	3
MUS 201E	Basic Musicianship I E	3
MUS 201F	Basic Musicianship I F	1
MUS 202E	Basic Musicianship II E	3
MUS 202F	Basic Musicianship II F	1
MUS 207E	Advanced Musicianship I E	3
MUS 207F	Advanced Musicianship I F	1
MUS 208E	Advanced Musicianship II E	3
MUS 208F	Advanced Musicianship II F	1

**Private Lessons** 4-8  
(MUSA 101-146, MUSA 201-246)

**Ensemble** 3-4  
(MUSE 101 - MUSE 166)

**Piano Proficiency Exam****Four semesters Concert Attendance required (MUS 100)****FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
Complete Social Science (see courses this page)	3
MUS 100 Concert Attendance	0
MUS 201E Basic Musicianship I E	3
MUS 201F Basic Musicianship I F	1
Complete Private Lessons (see courses this page)	1
Complete Ensemble (see courses this page)	1
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

SECOND SEMESTER	Credits
Complete Social Science (see courses this page)	3
ENG 102 or 114	3
BIOL 122 Desert Plants <sup>1</sup>	3
MUS 100 Concert Attendance	0
MUS 202E Basic Musicianship II E	3
MUS 202F Basic Musicianship II F	1
Complete Private Lessons (see courses this page)	1
Complete Ensemble (see courses this page)	1
<b>TOTAL CREDITS</b> .....	<b>15</b>

THIRD SEMESTER	Credits
ENG 223 Themes of Literature	3
GEOG 103 Physical Geography	3
PHIL 102 Reasoning and Critical Thinking	3
MUS 100 Concert Attendance	0
MUS 207E Advanced Musicianship I E	3
MUS 207F Advanced Musicianship I F	1
Complete Private Lessons (see courses this page)	1
Complete Ensemble (see courses this page)	1
<b>TOTAL CREDITS</b> .....	<b>15</b>

FOURTH SEMESTER	Credits
Complete Social Science (see courses this page)	3
PSC 101 Introduction to American Politics	4
MUS 100 Concert Attendance	0
MUS 208E Advanced Musicianship II E	3
MUS 208F Advanced Musicianship II F	1
MUS 131 Introduction to Music Literature	3
Complete Private Lessons (see courses this page)	1
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... 60-62<sup>1</sup>This course is only offered in the spring semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Music Business and Technology**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: MUS-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Music Business and Technology is designed for students who wish to pursue careers in commercial music production, marketing, recording, or management. The program provides in-depth studies of recording technology in the studio setting with ample time for projects and research. Two levels of Business of Music are also offered to give students a comprehensive overview of all facets of the music industry including management, budgeting, copyrights, and related legal issues.

**STUDENT LEARNING OUTCOMES**

- Communicate with individuals involved in the creative process of music production, correctly using music theory terms and concepts.
- Engineer basic professional recording sessions.
- Identify components necessary to manage contracts, copyrights, talent, and budgets.
- Operate industry standard audio recording software programs.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (21 credits)**

MUS 181	Business of Music	3
MUS 231	Recording Techniques I	3
MUS 232	Recording Techniques II	3
MUS 239	Virtual Studio Technology	3
MUS 240	Virtual Studio Technology II	3
MUS 281B	Business of Music II	3
MUS 285B	Advanced Recording Techniques	3

**Choose one from the following (3 credits)**

MUS 101	Music Fundamentals	3
MUS 102	Beginning Music Theory	3

**Choose one from the following (3 credits)**

MUS 230	Music Technology II	3
MUS 260B	Studio Session Procedures	3
MUS 262B	Urban Music Production	3
MUS 291	Legal Aspects of the Music Industry	3
MUS 292	Audio Post-Production I	3

Computation included in MUS 281B

Human Relations included in COM 115

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
MUS 181 Business of Music	3
MUS 231 Recording Techniques I	3
MUS 239 Virtual Studio Technology I	3
MUS 101 or MUS 102	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

**SECOND SEMESTER**

	Credits
MUS 232 Recording Techniques II	3
MUS 240 Virtual Studio Technology II	3
MUS 281B Business of Music II	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

**THIRD SEMESTER**

	Credits
COM 115 Applied Communication	3
MUS 285B Advanced Recording Techniques	3
MUS 230 or 260B or 262B or 291 or 292	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

**DEGREE PLAN TOTAL CREDITS**.....**30**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Nursing

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 69

LIMITED ENTRY  
DEGREE CODE: NUR-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Registered Nurse is an important member of the health care team; an indispensable participant within the medical community who provides total patient care; and a dependable, responsible, motivated professional capable of handling high stress situations with ease and confidence.

The Registered Nurse provides care using the nursing process; works within the guidelines of the Nevada Nurse Practice Act to give care, support and education to patients so that they can recover and stay well; works in a variety of health care settings including hospitals, nursing homes, rehabilitation centers, home health, community agencies, wellness centers, clinics and drug centers; monitors the physical and mental status of patients; gives medication and records the patients' reactions, symptoms and progress; and directs Licensed Practical Nurses and Nursing Assistants. There are extensive job opportunities and potential for advancement for graduates of the degree program.

Graduates of this program are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) for state licensure. Courses in the two-year degree can be applied toward the requirements for a Bachelor of Science in Nursing at a four year institution. The program has full approval status by the Nevada State Board of Nursing, 4220 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, Nevada 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

This is a limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

**STUDENT LEARNING OUTCOMES**

- Incorporate physiological, psychological, social-cultural, and spiritual concepts to provide safe and competent nursing care for patients at various stages in their life span.
- Combine the nursing process with clinical reasoning to assist patients with adaptive behaviors that enhance, maintain, and promote optimal health, quality of life, and/or death with dignity.
- Demonstrate caring behaviors with patients to attain optimal health, quality life, or death with dignity.
- Apply principles of verbal and written communication with professionals and patients.
- Employ the Quality and Safety Education for Nurses Initiatives while incorporating standards of professional practice while working within nursing's legal, ethical, and regulatory framework while providing care to patients.
- Integrate teaching/learning principles to promote healthy behavior for patients.
- Optimize collaboration with interdisciplinary teams and community resources when managing nursing care of patients.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23-27 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 101 or 215

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (4 credits)**

Required: BIOL 189 Fundamentals of Life Science

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Required: SOC 101 Principles of Sociology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)**

BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4
BIOL 251	General Microbiology	4
NURS 101	Introduction to Professional Nursing Practice	6
NURS 115	Medical-Surgical Nursing I	6.5
NURS 125	Pharmacology for Nursing Practice	2
NURS 208	Professional Topics: Management Concepts and Transition into Professional Practice	2
NURS 211	Medical-Surgical Nursing II	4.5
NURS 243	Mental Health Nursing	3
NURS 247	Maternal-Newborn Nursing	4.5
NURS 248	Pediatric Nursing	3
NURS 296	Nursing Management and Preceptorship	2.5

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Nursing

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 69

LIMITED ENTRY  
DEGREE CODE: NUR-AAS**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English composition (see courses previous page)	3-5
PSY 101 General Psychology	3
BIOL 189 Fundamentals of Life Science	4
<i>Attend a Limited Entry Program Orientation</i>	
<b>TOTAL CREDITS</b> .....	<b>13-15</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
<i>Take TEAS test – demonstrate English proficiency</i>	
COM 101 or COM 215	3
SOC 101 Principles of Sociology	3
PSC 101 Introduction to American Politics	4
BIOL 223 Human Anatomy and Physiology I	4
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
<i>Submit application to the Nursing Program by the first day of September for Spring start or first day of February for Fall start. Take the following courses while waiting for admission into the Nursing Program.</i>	
BIOL 224 Human Anatomy and Physiology II	4
BIOL 251 General Microbiology	4
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
<i>Admission into the Nursing Program – Standard Track</i>	
NURS 101 Introduction to Professional Nursing Practice	6
NURS 125B Pharmacology for Nursing Practice	2
<b>TOTAL CREDITS</b> .....	<b>8</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
NURS 115 Medical-Surgical Nursing I	6.5
NURS 243 Mental Health Nursing	3
<b>TOTAL CREDITS</b> .....	<b>9.5</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
NURS 247 Maternal-Newborn Nursing	4.5
NURS 248 Pediatric Nursing	3
<b>TOTAL CREDITS</b> .....	<b>7.5</b>
<b>SEVENTH SEMESTER</b>	<b>Credits</b>
NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice	2
NURS 211 Medical-Surgical Nursing II	4.5
NURS 296 Nursing Management and Preceptorship	2.5
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>69-71</b>



**Nursing – LPN to RN**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 69

**LIMITED ENTRY**

DEGREE CODE: NURRN-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

This program is designed for practicing License Practical Nurses who wish to prepare to licensure as a registered nurse. The program awards credits for Practical Nursing program courses and Nevada LPN licensure.

Graduates of this program are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) exam for state licensure. Courses in this two-year degree can be applied towards the requirements for a Bachelor of Science in Nursing degree at a four year institution. The program has full approval status by the Nevada State Board of Nursing, 4200 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, Nevada 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

This is a limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

**STUDENT LEARNING OUTCOMES**

- Incorporate physiological, psychological, social-cultural, and spiritual concepts to provide safe and competent nursing care for patients at various stages in their life span.
- Combine the nursing process with clinical reasoning to assist patients with adaptive behaviors that enhance, maintain, and promote optimal health, quality of life, and/or death with dignity.
- Demonstrate caring behaviors with patients to attain optimal health, quality life, or death with dignity.
- Apply principles of verbal and written communication with professionals and patients.
- Employ the Quality and Safety Education for Nurses Initiatives while incorporating standards of professional practice while working within nursing's legal, ethical, and regulatory framework while providing care to patients.
- Integrate teaching/learning principles to promote healthy behavior for patients.
- Optimize collaboration with interdisciplinary teams and community resources when managing nursing care of patients.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

COM 101 or 215

**HUMAN RELATIONS (3 credits)**

Required: PSY 101 General Psychology

**NATURAL SCIENCE (4 credits)**

Required: BIOL 189 Fundamentals of Life Science

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Required: SOC 101 Principles of Sociology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)**

<b>Practical Nursing Diploma and Nevada LPN License</b>		8
BIOL 223	Human Anatomy and Physiology I	4
BIOL 224	Human Anatomy and Physiology II	4
BIOL 251	General Microbiology	4
NURS 125	Pharmacology for Nursing Practice	2
NURS 205	Introduction to Associate Degree Nursing	4.5
NURS 208	Professional Topics: Management Concepts and Transition into Professional Practice	2
NURS 211	Medical-Surgical Nursing II	4.5
NURS 243	Mental Health Nursing	3
NURS 247	Maternal-Newborn Nursing	4.5
NURS 248	Pediatric Nursing	3
NURS 296	Nursing Management and Preceptorship	2.5

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Nursing – LPN to RN

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 69

LIMITED ENTRY  
DEGREE CODE: NURRN-AAS**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>PREREQUISITE</b>	<b>Credits</b>
Practical Nursing Diploma and Nevada LPN License	8
<b>TOTAL CREDITS</b> .....	<b>8</b>

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
PSY 101 General Psychology	3
BIOL 189 Fundamentals of Life Science	4
<i>Attend a Limited Entry Program Orientation. Maintain Nevada LPN License through program.</i>	
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
<i>Take TEAS test – demonstrate English proficiency</i>	
Complete Communications (see courses previous page)	3
SOC 101 Principles of Sociology	3
PSC 101 Introduction to American Politics	4
BIOL 223 Human Anatomy and Physiology I	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
<i>Submit application to the Nursing Program by the first day of June for Fall admission or the first day of November for Spring admission</i>	
BIOL 224 Human Anatomy and Physiology II	4
BIOL 251 General Microbiology	4
NURS 125B Pharmacology for Nursing Practice <sup>1</sup>	2
<b>TOTAL CREDITS</b> .....	<b>10</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
NURS 205 Introduction to Associate Degree Nursing	4.5
NURS 243 Mental Health Nursing	3
<b>TOTAL CREDITS</b> .....	<b>7.5</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
NURS 247 Maternal-New Born Nursing	4.5
NURS 248 Pediatric Nursing	3
<b>TOTAL CREDITS</b> .....	<b>7.5</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice	2
NURS 211 Medical-Surgical Nursing II	4.5
NURS 296 Nursing Management and Preceptorship	2.5
<b>TOTAL CREDITS</b> .....	<b>9</b>

**DEGREE PLAN TOTAL CREDITS**..... **69-71**<sup>1</sup>NURS 125B is required if not taken during the LPN Program. This course requires permission of the ADN program director.

**Ophthalmic Technology – Ophthalmic Dispensing Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 68

**LIMITED ENTRY**

DEGREE CODE: OPHT-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Ophthalmic Technology Program prepares graduates to be professional manufacturing and dispensing opticians. The program consists of systematic instruction and experience in all aspects of the work in the profession. The program includes instruction and laboratory training in: contact lens skills, eyewear dispensing skills, lens finishing techniques, lens surfacing techniques, as well as sales techniques, basic business operations and communications. Instruction and practice in low vision aids, physician assisting skills, and ocular prosthetics are also covered.

Graduates of the program are prepared to take the American Board of Opticianry and the National Contact Lens Examiners certification examinations.

Graduates are also prepared to take the Nevada Board of dispensing Opticians licensing examination.

Graduates of the program can gain employment as manufacturing opticians, dispensing opticians, entry level management positions in vision care, as well as open their own independent vision care facility.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

Accrediting Agency: Commission on Opticianry Accreditation, P.O. Box 592 Canton, NY 13617, (703) 468-0566.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the ability to analyze the prescriptive and lifestyle needs of a patient and make appropriate recommendations for optical devices.
- Demonstrate the ability to perform all the daily tasks of a laboratory and dispensing optician in a competent manner.
- Pass the ABO, NCLE, and Nevada State Board of Dispensing Opticians licensing examinations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101,112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

**NATURAL SCIENCE (3 credits)**

AST; BIOL; CHEM; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL; HHP 123B, 124B; PHYS

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM; ANTH (except 102); ART; COM; ECON; ENG 223 or above; GEOG 106 or above; HIST; World Languages; MUS; PHIL; PSC; PSY; SOC; THTR; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and 102

**SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)**

OPHT 102B	Introduction to Contact Lenses	3
OPHT 105B	Introduction to Contact Lens Lab	1
OPHT 112B	Anatomy and Physiology of the Eye and Related Structures	3
OPHT 121B	Ophthalmic Optics I	5
OPHT 123B	Ophthalmic Optics II	5
OPHT 155B	Geometric Optics	3
OPHT 201B	Ophthalmic Dispensing I	5
OPHT 202B	Contact Lenses I	3
OPHT 203B	Contact Lenses II	1
OPHT 220B	Theory of Refractometry	3
OPHT 223B	Ophthalmic Dispensing II	5
OPHT 232B	Opticianry Management Sales	3
OPHT 260B	Introduction to Low Vision	1
OPHT 291B	Clinical Applications III	3
OPHT 299B	Certificate Review	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Ophthalmic Technology – Ophthalmic Dispensing Technician**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 68

**LIMITED ENTRY**  
DEGREE CODE: OPHT-AAS**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
OPHT 112B Anatomy and Physiology of the Eye and Related Structures	3
OPHT 121B Ophthalmic Optics I	5
OPHT 201B Ophthalmic Dispensing I	5
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
OPHT 123B Ophthalmic Optics II	5
OPHT 155B Geometric Optics	3
OPHT 223B Ophthalmic Dispensing II	5
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page - Recommended: AST 101)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page - Recommended: ALS 101)	3
OPHT 102B Introduction to Contact Lenses	3
OPHT 105B Introduction to Contact Lens Lab	1
OPHT 220B Theory of Refractometry	3
OPHT 291B Clinical Applications III <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses previous page - Recommended: SOC 101)	3
Complete US/NV Constitutions (see courses previous page - Recommended: PSC 101)	4
OPHT 202B Contact Lenses I	3
OPHT 203B Contact Lenses II	1
OPHT 232B Opticianry Management Sales <sup>1</sup>	3
OPHT 260B Introduction to Low Vision I	1
OPHT 299B Certificate Review <sup>2</sup>	2
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>68-70</b>

<sup>1</sup>OPHT 232B and OPHT 260B may be taken in the first or second spring semester.<sup>2</sup>OPHT 291B and OPHT 299B may be taken in the second fall or spring semester.



**Paralegal Studies**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: LAW-AAS

**DESCRIPTION**

The Associates of Applied Science Degree in Paralegal Studies is a program of study which qualifies its graduates to be employed in law and business related occupations, including private law firms, corporate departments and government entities. Substantive law is combined with thorough preparation in legal procedures, research methodology and practical knowledge. Elective course offerings will permit students to specialize in particular areas of interest. The Paralegal Studies Program provides the foundation for students to think critically and act ethically in accordance with the local and national rules of professional conduct. Graduates of this program will be prepared to perform high quality legal work under the direction of an attorney. The program encourages graduates to continue educational pursuits and seek community service opportunities.

**STUDENT LEARNING OUTCOMES**

- Demonstrate ability to manage cases and draft legal documents by applying written skills and knowledge of legal procedures in civil litigation and other substantive areas of law.
- Identify ethical issues and be able to apply the rules of professional conduct through synthesis and analysis.
- Demonstrate knowledge of research methodology by applying critical thinking initiatives to various information formats including computerized and traditional library research.
- Proficient use of word processing software and ability to identify and adapt to different types of law office technology and computer applications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (3 credits)**

See AAS policy p. 51 for courses

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

**CORE REQUIREMENTS (29 credits)**

IS 101	Introduction to Information Systems	3
LAW 101	Fundamentals of Law I	3
LAW 231	Civil Procedure	3
LAW 234	Civil Procedure II	3
LAW 253	Law Office Management	3
LAW 259	Legal Writing	3
LAW 261	Legal Research I	4
LAW 262	Legal Research II	4
LAW 263	Ethics	3

**ELECTIVES (choose 9 credits)**

LAW 204	Torts	3
LAW 205	Contracts	3
LAW 232	Criminal Procedure	3
LAW 250	Administrative Law	3
LAW 251	Bankruptcy	3
LAW 252	Family Law	3
LAW 255	Probate Procedures	3
LAW 258	Constitutional Law	3
LAW 264	Civil Evidence	3
LAW 295	Supervised Field Experience	3
RE 103	Real Estate Law and Practice	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Paralegal Studies**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: LAW-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-18</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
LAW 101 Fundamentals of Law I	3
LAW 259 Legal Writing	3
LAW 263 Ethics	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AAS Natural Science p. 51	3
LAW 231 Civil Procedure	3
LAW 253 Law Office Management	3
LAW 261 Legal Research I	4
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
LAW 234 Civil Procedure II	3
LAW 262 Legal Research II	4
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>PSC 101 satisfies this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the fourth semester.



**Paralegal Studies**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: LAW-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Paralegal Studies is designed for students who hold an associate or baccalaureate degree. It is a program of study which qualifies its graduates to be employed in law and business related occupations, including private law firms, corporate departments and government entities. Substantive law is combined with thorough preparation in legal procedures, research methodology and practical knowledge. The Paralegal Studies Program provides the foundation for students to think critically and act ethically in accordance with the local and national rules of professional conduct. Graduates of this program will be prepared to perform high quality legal work under the direction of an attorney. The program encourages graduates to continue educational pursuits and seek community service opportunities.

**STUDENT LEARNING OUTCOMES**

- Demonstrate ability to manage cases and draft legal documents by applying written skills and knowledge of legal procedures in civil litigation and other substantive areas of law.
- Identify ethical issues and be able to apply the rules of professional conduct through synthesis and analysis.
- Demonstrate knowledge of research methodology by applying critical thinking initiatives to various information formats including computerized and traditional library research.
- Proficient use of word processing software and ability to identify and adapt to different types of law office technology and computer applications.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

COM 101, 102, 115, 215; ENG 100, 101, 102, 113, 114, 205; JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)**

IS 101	Introduction to Information Systems	3
LAW 101	Fundamentals of Law I	3
LAW 231	Civil Procedure	3
LAW 234	Civil Procedure II	3
LAW 253	Law Office Management	3
LAW 259	Legal Writing	3
LAW 261	Legal Research I	4
LAW 262	Legal Research II	4
LAW 263	Ethics	3

Computation included in LAW 253  
Human Relations included in LAW 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3-5
IS 101 Introduction to Information Systems	3
LAW 101 Fundamentals of Law I	3
LAW 231 Civil Procedure	3
LAW 259 Legal Writing	3
LAW 261 Legal Research I	4
<b>TOTAL CREDITS</b> .....	<b>19-21</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
LAW 234 Civil Procedures II	3
LAW 253 Law Office Management	3
LAW 262 Legal Research II	4
LAW 263 Ethics	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>32-34</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Paramedic Medicine

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: EMS-AAS

This is a selective admission program. Applicants must submit a program application, EMS/Healthcare experience form, EMT and/or AEMT certifications, current CPR card, letters of recommendation, and transcripts documenting completion of prerequisite courses. Students accepted into the program will be responsible for additional program expenses including all necessary preclinical requirements.

### DESCRIPTION

The objective of this degree is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the prehospital setting and to provide the necessary coursework to be licensed in the State of Nevada and nationally certified. This limited entry program offers a comprehensive and in-depth study of advanced life support skills which include pharmacology, advanced airway management procedures and skills, ECG interpretation and electrical therapy. Associate degree recipients may see improved opportunity for managerial, clinical or educational advancement after sufficient field experience is obtained. The Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee of Educational Programs for the Emergency Medical Services Professions (CoA-EMSP).

Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

### STUDENT LEARNING OUTCOMES

- Demonstrate competencies necessary to pass the National Registry certification cognitive and psychomotor examination.
- Demonstrate proficiency with all technical skills as relative to providing emergency medical care and transportation to critical and emergent patients as necessary to successfully complete all aspects of the field internship.
- Demonstrate the ability to understand, apply, and evaluate the clinical information necessary for managing and transporting acute medical and traumatic patients as relative to the role of an entry-level Paramedic.
- Demonstrate professional attitudes and ethical behaviors consistent with the expectations of area employers and the local, medical community.
- Demonstrate the skills and abilities to seek opportunities for managerial, clinical, or educational advancement after sufficient field experience is obtained.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (24 CREDITS)

#### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 122, 123)

#### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

#### COMMUNICATIONS (3 credits)

BUS 107, 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

#### HUMAN RELATIONS (3 credits)

HMS 130; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

#### NATURAL SCIENCE (5 credits)

Required: HHP 123B and 124B

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

EMS 125B	Pharmacology for Paramedics	3
EMS 127B	Paramedic Clinical Practice I	2
EMS 129B	Paramedic Fundamentals	3
EMS 130B	Paramedic Assessment I	1
EMS 145B	Essentials of Paramedic Medicine	3
EMS 165B	Pathophysiology for Paramedics	3
EMS 166B	Paramedic Technology	4
EMS 167B	Paramedic Clinical Practice II	2
EMS 168B	Electrophysiology/Electrocardiography	3
EMS 169B	Advanced Cardiac Life Support (ACLS)	1
EMS 171B	Prehospital Trauma Life Support (PHTLS)	1
EMS 172B	Vehicle Extrication for Paramedics	2
EMS 173B	Paramedic Field Internship	3
EMS 176B	Pediatrics for Paramedics	4
EMS 185B	Advanced Emergency Care	3
EMS 202B	Advanced ECG Interpretation	1
EMS 230B	Paramedic Assessment II	1
HIT 117B	Medical Terminology I	1

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Paramedic Medicine

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: EMS-AAS

### FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete AAS English Composition p. 50	3-5
HHP 123B Introduction to the Human Body <sup>1</sup>	4
HHP 124B Introduction to the Human Body Computer Lab <sup>1</sup>	1
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>12-14</b>

SECOND SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
Complete AAS US/Nevada Constitutions <sup>2</sup> (see courses previous page)	4-6
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

THIRD SEMESTER	Credits
EMS 125B Pharmacology for Paramedics	3
EMS 127B Paramedic Clinical Practice I	2
EMS 129B Paramedic Fundamentals	3
EMS 130B Paramedic Assessment I	1
EMS 165B Pathophysiology for Paramedics	3
EMS 168B Electrophysiology/Electrocardiography	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

FOURTH SEMESTER	Credits
EMS 145B Essentials of Paramedic Medicine	3
EMS 171B Prehospital Trauma Life Support (PHTLS)	1
EMS 172B Vehicle Extrication for Paramedics	2
<b>TOTAL CREDITS</b> .....	<b>6</b>

FIFTH SEMESTER	Credits
EMS 166B Paramedic Technology	4
EMS 167B Paramedic Clinical Practice II	2
EMS 169B Advanced Cardiac Life Support (ACLS)	1
EMS 176B Pediatrics for Paramedics	4
EMS 185B Advanced Emergency Care	3
EMS 202B Advanced ECG Interpretation	1
EMS 230B Paramedic Assessment II	1
<b>TOTAL CREDITS</b> .....	<b>16</b>

SIXTH SEMESTER	Credits
EMS 173B Paramedic Field Internship	3
<b>TOTAL CREDITS</b> .....	<b>3</b>

**DEGREE PLAN TOTAL CREDITS**..... **65-69**

<sup>1</sup>BIOL 223 and BIOL 224 can be taken in lieu of HHP 123B and HHP 124B.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 and HIST 102 or 217 in the second semester.

NOTE:

- It is highly recommended that students take ALS 101 prior to applying to the Paramedic program in order to improve chances of success within the rigorous Paramedic program.
- Due to the high rigor of the Paramedic program, it is highly recommended that students complete all general education requirements before applying to the program.

Upon successful completion of the Paramedic program, graduates will be able to apply and sit for the National Registry of Emergency Medical Technicians Paramedic Certification exam. Passing of this exam is required in order to obtain a Paramedic attendants license in the State of Nevada, as well as most other states. Please note, courses in the technical portion of the EMS program, with course designator 'B', do not transfer to most colleges/universities should a student wish to transfer.



## Paramedic Medicine

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 49

DEGREE CODE: EMS-CT

This is a selective admission program. Applicants must submit a program application, EMS/Healthcare experience form, EMT and/or AEMT certifications, current CPR card, letters of recommendation, and transcripts documenting completion of prerequisite courses. Students accepted into the program will be responsible for additional program expenses including all necessary preclinical requirements.

### IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

### DESCRIPTION

The objective of this certificate is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the prehospital setting and to provide the necessary coursework to be licensed in the State of Nevada and nationally certified. This limited entry program offers a comprehensive and in-depth study of advanced life support skills which include pharmacology, advanced airway management procedures and skills, ECG interpretation and electrical therapy. After completion of this certificate, students may then choose to complete the next phase of this program and earn an Associate of Applied Science degree in Paramedic Medicine. The Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Committee of Educational Programs for the Emergency Medical Services Professions (CoA-EMSP).

Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

### STUDENT LEARNING OUTCOMES

- Demonstrate effective critical thinking skills associated with treating the sick and injured.
- Demonstrate competence and compassion commensurate for the entry-level Paramedic provider.
- Display appropriate attitude and compassion towards patients, co-workers and other health care professionals.
- Display and apply aggregate knowledge and practices of the professional Paramedic.
- Recognize and apply current practices and procedures for medical traumatic emergencies.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 107 or 113

### SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)

HHP 123B	Introduction to the Human Body	4
HHP 124B	Introduction to the Human Body Computer Lab	1
EMS 125B	Pharmacology for Paramedics	3
EMS 127B	Paramedic Clinical Practice I	2
EMS 129B	Paramedic Fundamentals	3
EMS 130B	Paramedic Assessment I	1
EMS 145B	Essentials of Paramedic Medicine	3
EMS 165B	Pathophysiology for Paramedics	3
EMS 166B	Paramedic Technology	4
EMS 167B	Paramedic Clinical Practice II	2
EMS 168B	Electrophysiology/ Electrocardiography	3
EMS 169B	Advanced Cardiac Life Support (ACLS)	1
EMS 171B	Prehospital Trauma Life Support (PHTLS)	1
EMS 172B	Vehicle Extrication for Paramedics	2
EMS 173B	Paramedic Field Internship	3
EMS 176B	Pediatrics for Paramedics	4
EMS 185B	Advanced Emergency Care	3
EMS 202B	Advanced ECG Interpretation	1
EMS 230B	Paramedic Assessment II	1
HIT 117B	Medical Terminology I	1

**Other Requirements:** Completion of an Advanced Emergency Medicine Technician course and National Certification of such by the start of the first semester.

Computation included in EMS 125B

Human Relations included in EMS 129B

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Paramedic Medicine

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 49

DEGREE CODE:EMS-CT

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3-5
HHP 123B Introduction to the Human Body <sup>1</sup>	4
HHP 124B Introduction to the Human Body – Computer Lab <sup>1</sup>	1
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>9-11</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
EMS 125B Pharmacology for Paramedics	3
EMS 127B Paramedic Clinical Practice I	2
EMS 129B Paramedic Fundamentals	3
EMS 130B Paramedic Assessment I	1
EMS 165B Pathophysiology for Paramedics	3
EMS 168B Electrophysiology/Electrocardiography	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
EMS 145B Essentials of Paramedic Medicine	3
EMS 171B Prehospital Trauma Life Support (PHTLS)	1
EMS 172B Vehicle Extraction for Paramedics	2
<b>TOTAL CREDITS</b> .....	<b>6</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
EMS 166B Paramedic Technology	4
EMS 167B Paramedic Clinical Practice II	2
EMS 169B Advanced Cardiac Life Support (ACLS)	1
EMS 176B Pediatrics for Paramedics	4
EMS 185B Advanced Emergency Care	3
EMS 202B Advanced ECG Interpretation	1
EMS 230B Paramedic Assessment I	1
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
EMS 173B Paramedic Field Internship	3
<b>TOTAL CREDITS</b> .....	<b>3</b>

**DEGREE PLAN TOTAL CREDITS**..... **49-51**<sup>1</sup>BIOL 223 and BIOL 224 can be taken in lieu of HHP 123B and HHP 124B.

## NOTE:

- It is highly recommended that students take ALS 101 College Success prior to applying to the Paramedic Program in order to improve chances of success within the rigorous Paramedic Program.
- Due to the high rigor of the Paramedic program, it is highly recommended that students complete all general education requirements before applying to the program.

Upon successful completion of the Paramedic Program, graduates will be able to apply and sit for the National Registry of Emergency Medical Technicians Paramedic Certification exam. Passing of this exam is required in order to obtain a Paramedic attendants license in the State of Nevada, as well as most other states. Please note, courses in the technical portion of the EMS program, with course designation 'B', do not transfer to most colleges/universities should a student wish to transfer.



**Pharmacy Technician**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 41**

**LIMITED ENTRY**  
**DEGREE CODE: PHARM-CT**

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program provides education and training necessary to prepare students to work in various pharmacy settings under the direction and supervision of a licensed pharmacist, with a principle focus on hospital and community pharmacy establishments.

After successful completion of program prerequisites and admission into the program, students in their first semester will receive coursework instruction designed to orient them to the field of pharmacy. During semester one, learning modes will consist of a combination of online, classroom, and laboratory training. In the second semester students will receive advanced program instruction designed to further develop and enhance their pharmacy practice skills. Instruction methodologies will include online, laboratory, and on-site clinical learning and training. Upon program completion, students will be eligible for licensure with the Nevada State Board of Pharmacy.

A limited entry program. Students must attend a health programs orientation and meet with a health programs advisor for additional counseling on program requirements and coursework timelines.

**STUDENT LEARNING OUTCOMES**

- Acquire and synthesize knowledge of pharmaceutical standards, ethics, laws, and regulations.
- Effectively model the duties and responsibilities of the profession in accordance with defined professional standards and guidelines as well as local, state, and federal laws.
- Employ requisite skills and technical proficiencies necessary to acquire licensure in the State of Nevada as a Pharmacy Technician.
- Assess preparedness to successfully complete the national certification examination to become a Certified Pharmacy Technician.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (9 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)**

COT 101B	Computer Keyboarding I	3
HIT 117B	Medical Terminology I	1
IS 101	Introduction to Information Systems	3
PHAR 100B	Introduction to Pharmacy Practice	3
PHAR 101B	Pharmacy Techniques	4
PHAR 105B	Pharmaceutical Math for Technicians	3
PHAR 110B	Pharmacology I	3
PHAR 115B	Pharmacology II	3
PHAR 120B	Pharmacy Microcomputers	2
PHAR 126B	Pharmacy Technician Practicum	7

Computation included in PHAR 105B

Human Relations included in PHAR 100B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>9-11</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COT 101B Computer Keyboarding I	3
HIT 117B Medical Terminology	1
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>7</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PHAR 100B Introduction to Pharmacy Practice	3
PHAR 101B Pharmacy Techniques	4
PHAR 105B Pharmaceutical Math for Technicians	3
PHAR 110B Pharmacology I	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PHAR 115B Pharmacology II	3
PHAR 120B Pharmacy Microcomputers	2
PHAR 126B Pharmacy Technician Practicum	7
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>41-43</b>

Note: All PHAR courses require admission to Pharmacy Technician Program.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Philosophy

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PHIL-AA

### DESCRIPTION

Studying Philosophy cultivates intellectual skills that are useful in all professional, personal, and academic contexts. In every Philosophy course, students are shown how to analyze issues and information, and to both produce and assess arguments according to the standards of good reasoning. The serious attempt to answer philosophical questions makes up part of the core of a meaningful human life no matter what job or career one chooses.

### STUDENT LEARNING OUTCOMES

- Demonstrate knowledge of influential thinkers and arguments that have been advanced in the history of the Western intellectual tradition.
- Demonstrate knowledge of some of the most influential thinkers and arguments that have been advanced by contemporary thinkers.
- Demonstrate knowledge of some of the core concepts and vocabulary related to metaphysics, epistemology, ethics, aesthetics, and logic.
- Demonstrate an ability to think critically, such as the ability to identify inconsistencies in sets of claims, to identify the presumptions of claims, and to identify the implications of claims.
- Demonstrate the ability to think objectively, that is, dispassionately, about their own personal convictions whether they are religious, political, or social in nature.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

#### **MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122)

#### **ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

#### **LITERATURE (3 credits)**

ENG 231 or 232

#### **ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

#### **NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab):

ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

#### **SOCIAL SCIENCE (9 credits)**

(Nine credits must be from three different disciplines):

ANTH (except 102); CRJ 104; ECON; PSC; PSY; SOC; WMST 113

#### **U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

#### **VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.

Recommended: WMST 113 - Completing this course will also count toward completing the Social Science requirement.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### **CORE REQUIREMENTS (3 credits)**

PHIL 101 Introduction to Philosophy 3

#### **PHIL ELECTIVES choose 3 different PHIL classes)**

Any PHIL courses not already used to complete a different portion of this degree; those transferring to UNLV should complete PHIL 114. 9

#### **FINE ARTS**

ART; DAN 101; MUS; THTR 3

#### **HUMANITIES**

COM 101 and one course from the following: 6  
ENG 223 or above; HIST; World Languages 111 or above;  
RST

#### **GENERAL ELECTIVES**

See a counselor to select 5-6 transferable credits. 5-6

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Philosophy**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PHIL-AA

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
PHIL 102 Reasoning and Critical Thinking	3
Complete Social Science <sup>1</sup> (see courses previous page)	3
COM 101 Oral Communication	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Natural Sciences (no lab-see courses previous page)	3-4
Complete Social Science <sup>1</sup> (see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions <sup>2</sup> p. 50	4
PHIL 101 Introduction to Philosophy	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Sciences (with lab-see courses previous page)	3-4
Complete Social Science <sup>1</sup> (see courses previous page)	3
Complete PHIL Electives <sup>3</sup>	3
Complete General Electives <sup>4</sup>	3
Complete AA/AB/AS Fine Arts p. 50	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 231 or 232	3
Complete PHIL Electives <sup>3</sup>	6
Complete General Electives <sup>4</sup>	2-3
Complete Humanities <sup>5</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>Completing WMST 113 as a Social Science elective would also cover the Values and Diversity general education requirement.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

<sup>3</sup>Any PHIL courses not already used to complete a different portion of this degree; those transferring to UNLV should complete PHIL 114.

<sup>4</sup>See a counselor to select 5-6 transferable credits.

<sup>5</sup>Use the course list that follows “COM 101 and one course from the following.” If choosing an ENG or HIST course to fulfill this requirement, it must be an ENG or HIST course NOT already used to satisfy other areas of this degree.



# Photography – Commercial Photography

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PHOTO-AAS

## DESCRIPTION

The Photography program offers instruction in commercial photographic skills and creative photographic processes. In addition to learning beginning and intermediate skills, students receive advanced training in photographic capture, digital asset management, studio and location lighting.

## STUDENT LEARNING OUTCOMES

- Produce professional quality commercial images using digital camera systems.
- Employ Digital Asset Management workflows for image inventory.
- Produce a photographic portfolio exemplifying skills in at least one of the following areas: Portraiture, Studio Product, Wedding, Editorial, Sports and Entertainment, Photojournalism, Forensics, and Fashion.
- Create studio and location lighting schemes based upon client specifications.
- Produce professional quality marketing materials suitable for commercial photographic business.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 107

### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 115, 215; THTR 105

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112, 201; MGT 100B, 283

### NATURAL SCIENCE (3-4 credits)

CHEM 105; ENV 101; PHYS 110; MT 102B

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

ART 101, 102, 107; ECON 100; GEOL 105; PHIL 102; PSY 102, 206; SOC 101, 261; THTR 204

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (28 credits)

PHO 101B	Beginning Photography	3
PHO 102B	Digital Photographic Imaging I	3
PHO 103B	Introduction to Lighting	3
PHO 195	Photographic Lighting	4
PHO 208B	Large Format Photography I	3
PHO 225	Photographic Commercial/Illustration I	3
PHO 235	Photographic Portraiture I	4
PHO 260B	Photographic Business Practices	3
PHO 295B	Portfolio	2

### ELECTIVES (choose 10 credits)

PHO or up to 6 credits from GRC or VID

See a counselor to select courses

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER	Credits
Complete English Composition (see courses this page)	3
PHO 101B Beginning Photography	3
PHO 102B Digital Photographic Imaging I	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

SECOND SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
PHO 103B Introduction to Lighting	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>13-15</b>

THIRD SEMESTER	Credits
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
PHO 195 Photographic Lighting	4
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
PHO 208B Large Format Photography I	3
PHO 225 Photographic Commercial/Illustration I	3
<b>TOTAL CREDITS</b> .....	<b>9</b>

FIFTH SEMESTER	Credits
Complete Natural Science (see courses this page)	3-4
PHO 235 Photographic Portraiture I	4
PHO 260B Photographic Business Practices	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>13-14</b>

SIXTH SEMESTER	Credits
PHO 295B Portfolio	2
Complete Electives (see courses this page)	1
<b>TOTAL CREDITS</b> .....	<b>3</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 6th semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Photography – Videography and Film

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PHOTVIDAAS

## DESCRIPTION

The CSN Videography and Film Program is a hands-on digital program that stresses traditional film grammar and the creative documentary. Courses address basic and intermediate film making techniques using digital video equipment. Other topics include cameras usage, production planning, script writing, lighting, directing, and digital editing with commercial software applications.

## STUDENT LEARNING OUTCOMES

- Operate a digital video camera and light meter.
- Create treatments and storyboards to shoot basic video sequences.
- Communicate effectively with actors.
- Identify story elements as they script, produce, light, direct, and edit a short documentary movie.
- Apply concepts of photographic composition and creative expression to pictures.
- Develop creative story concepts and script ideas for professional standard scripts.
- Analyze different editing styles used by various filmmakers.
- Develop a professional portfolio.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 107

### COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; ENG 205; THTR 105

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112, 201, 205; MGT 100B, 283; PHIL 216, 245

### NATURAL SCIENCE (3-4 credits)

BIOL 101; CHEM 105; ENV 101; PHYS 110; MT 102B

### FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)

ART 101, 105, 107; ECON 100; PHIL 101; PSC 231; PSY 206; SOC 101, 261; THTR 204

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

See AAS policy p. 51 for courses

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (30 credits)

VID 100B	Movies and Media	3
VID 101B	Film Directing Styles	3
VID 110B	Videography and Film I	3
VID 111B	Film Screenwriting I	3
VID 115B	Video Editing I	3
VID 116B	Documentary Film Production I	3
VID 200B	Cinematography I	3
VID 210B	Videography and Film II	3
VID 213B	Lighting for Video and Film	3
VID 290B	Video Portfolio	3

### ELECTIVES (choose 8 credits)

Any courses with VID prefix, THTR 105, 204

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete English Composition (see courses this page)	3
VID 100B Movies and Media	3
VID 110B Videography and Film I	3
VID 111B Film Screenwriting I	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
VID 101B Film Directing Styles	3
VID 115B Video Editing I	3
VID 200B Cinematography I	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
VID 116B Documentary Film Production I	3
VID 213B Lighting for Video and Film	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
VID 210B Videography and Film II	3
Complete Electives (see courses this page) <sup>2</sup>	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses this page)	3-4
Complete Electives (see courses this page)	2
<b>TOTAL CREDITS</b> .....	<b>5-6</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
VID 290B Video Portfolio	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-63</b>

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 4th semester and HIST 102 or 217 in the 6th semester.

<sup>2</sup>VID 201 Sound for Video and Film – Recommended

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





Physical Sciences

ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 60

DEGREE CODE: PHYS-AS

**DESCRIPTION**

The Associate of Science Degree is a general transfer program for students who are planning to transfer to a baccalaureate or pre-professional institution. A secondary objective may be employment upon completion of the AS degree.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge of Scientific Methods and the relationship of theory, experiment, data analysis, and general knowledge.
- Demonstrate the ability to analyze data and perform dimensional and graphical analysis of collected data.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (35 CREDITS)**

**MATHEMATICS (4-6 credits)**

MATH 126 and 127; or 128; or 181 or above

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Recommended: ENG 231 or 232

**HUMANITIES (6 credits)**

COM 101; and one course from the following:

ENG 224 or above; HIST; World Languages 111 or above; PHIL

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

(Nine credits must be from three different disciplines): ANTH; CRJ 104; ECON; PSC 200 or above; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing ENG 231 or 232 as recommended for the "Literature" requirement will also cover the "Values and Diversity" requirement.

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)**

**CORE REQUIREMENTS (4 credits)**

CHEM 121 General Chemistry I 4

**Choose onegroup (4 credits)**

Group 1:

PHYS 151 General Physics I 4

Group 2:

PHYS 180 Physics for Scientists and Engineers I 3

PHYS 180L Physics for Scientists and Engineers Lab I 1

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

**PHYSICAL SCIENCES ELECTIVES (17 credits)**

(Choose from the following, two must include a lab):

AST 103 Introductory Astronomy The Solar System 3

*May choose AST 103 or AST 104 – NOT BOTH*

AST 104 Introductory Astronomy: Stars and Galaxies 3

*May choose AST 103 or AST 104 – NOT BOTH*

AST 105 Introductory Astronomy Laboratory 1

CEE 241 Statics 3

CHEM 122 General Chemistry II 4

CHEM 241 Organic Chemistry I 4

CHEM 242 Organic Chemistry II 4

ENV 101 Introduction to Environmental Science 3

ENV 220 Introduction to Ecological Principles 3

GEOG 103 Physical Geography 3

GEOL 101 Geology: Exploring Planet Earth 4

GEOL 102 Earth and Life Through Time 4

MATH 182 Calculus II 4

MATH 283 Calculus III 4

ME 242 Dynamics 3

PHYS 152 General Physics II 4

*May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH*

PHYS 181 Physics for Scientists and Engineers II 3

*May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH*

PHYS 181L Physics for Scientists and Engineers Lab II 1

*May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH*

PHYS 182 Physics for Scientists and Engineers III 3

*Choosing PHYS 182 requires also taking PHYS 182L*

PHYS 182L Physics for Scientists and Engineers Lab III 1

*Choosing PHYS 182 requires also taking PHYS 182L*

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Physical Sciences**

ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 60

DEGREE CODE: PHYS-AS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
MATH 128 or 181 <sup>1</sup>	4
COM 101 Oral Communication	3
CHEM 121 General Chemistry I	4
<b>TOTAL CREDITS</b> .....	<b>14-16</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Humanities <sup>2</sup> (see courses previous page)	3
Complete Electives <sup>3</sup> (see courses this page)	4
PHYS 151; or PHYS 180 and 180L	4
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Social Science (see courses previous page)	6
See AA/AB/AS Fine Arts p. 50	3
Complete Electives <sup>3</sup> (see courses previous page)	4
Complete Electives <sup>4</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
ENG 231 or 232	3
PSC 101 Introduction to American Politics	4
Complete Social Science (see courses previous page)	3
See degree sheet for course choices <sup>4</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>16</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-62**

<sup>1</sup>Students who do not place into MATH 128 or 181 will need to complete MATH 126 and MATH 127 (which is listed on the degree sheet to count towards the completion of this degree). Students should understand this route will make them complete more credits in order to complete this degree and it will take them more semesters to complete the degree as well.

<sup>2</sup>Use the course list that follows “COM 101 and one course from the following”

<sup>3</sup>Choose a Physical Science Elective with a lab



**Physical Therapist Assistant**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

**LIMITED ENTRY**  
DEGREE CODE: PT-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

Upon successful completion of the program, students will receive the AAS degree in Physical Therapist Assistant. This entitles the graduate to take the national licensure examination. Successful passing of this examination and completion of the state licensure requirements will allow the graduate to function as a licensed physical therapist assistant (PTA). The program integrates classroom and laboratory experiences into a structurally sound curriculum that develops the competencies required to function as a safe, ethical, and competent PTA. Students are required to complete three clinical education affiliation experiences in hospitals and clinics affiliated with the program. Requirements for participation in these clinical experiences include having: 1) current CPR and First Aid cards; 2) a current personal health insurance policy; 3) a yearly negative TB test; 4) the appropriate immunizations; 5) a satisfactory physical examination; 6) drug and alcohol screen; and 7) background check.

The program is a limited-entry program and students considering applying to the program MUST attend a health programs orientation and meet with a health programs advisor for additional counseling. The program is accredited by the Commission on Accreditation in Physical Therapy Education, (CAPTE), 1111 North Fairfax St., Alexandria, VA 22314, (703) 706-3245, [www.capteonline.org](http://www.capteonline.org), email: [accreditation@apta.org](mailto:accreditation@apta.org).

**STUDENT LEARNING OUTCOMES**

- Practice abilities and critical thinking skills necessary to carry out the physical therapy plan of care.
- Provide competent, safe, and ethical patient care under the supervision of a licensed physical therapist.
- Cultivate effective, respectful, and culturally sensitive communication and interpersonal skills.
- Use critical thinking skills to assess patient response to treatment interventions.
- Formulate educational plans for the patient, family, other providers, and the community related to physical therapy interventions.
- Critique self-assessment and self-directed lifelong learning.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (24 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101 or 102 or 115 or 215

**HUMAN RELATIONS (3 credits)**

Required: PT 122 Psychological - Social Consideration & in Patient Care

**NATURAL SCIENCE (5-8 credits)**

HHP 123B and 124B; or BIOL 223 and 224

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

PHIL 101 or above; PSY 101 or above; SOC 101 or above

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (48 CREDITS)**

PT 100	Introduction to Physical Therapy	3
PT 105	Musculoskeletal Anatomy Review	1
PT 110	Principles of Kinesiology	2
PT 111	Problems in Kinesiology	2
PT 117	Fundamental Principles for the Physical Therapist Assistant	2
PT 118	Fundamental Procedures for the Physical Therapist Assistant	2
PT 120	Observation and Measurement Principles for the Physical Therapist Assistant	2
PT 121	Observation and Measurement Procedures	2
PT 125	Principles of Physical Agents	2
PT 126	Physical Agent Procedures and Practices	2
PT 130	Administration in Physical Therapy	2
PT 134	Clinical Affiliation I	2
PT 225	Therapeutic Principles for Musculoskeletal Pathologies	3
PT 226	Therapeutic Procedures for Musculoskeletal Pathologies	2
PT 238	Pathophysiology I	3
PT 240	Orthotic and Prosthetic Considerations in Patient Care	1
PT 244	Clinical Affiliation II	2
PT 248	Pathophysiology II	3
PT 250	Therapeutic Principles for Cardiopulmonary Pathologies	2
PT 251	Therapeutic Procedures for Cardiopulmonary Pathologies	1
PT 254	Therapeutic Principles for Neuromuscular Pathologies	3
PT 255	Therapeutic Procedures for Neuromuscular Pathologies	2
PT 256	Clinical Affiliation III	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 50	3-5
Complete Natural Science <sup>1</sup> (see courses previous page)	5-8
PT 100 Introduction to Physical Therapy	3
<b>TOTAL CREDITS</b> .....	<b>14-19</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
PT 105 Musculoskeletal Anatomy Review	1
PT 110 Principles of Kinesiology	2
PT 111 Problems in Kinesiology	2
PT 117 Fundamental Principles for the PTA	2
PT 118 Fundamental Procedures for the PTA	2
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
PT 122 Psychological-Social Considerations in Patient Care	3
PT 120 Observation and Measurement Principles for the PTA	2
PT 121 Observation and Measurement Procedures	2
PT 125 Principles of Physical Agents	2
PT 126 Physical Agent Procedures and Practices	2
PT 130 Administration in Physical Therapy 2	2
PT 134 Clinical Affiliation I	2
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
PT 225 Therapeutic Principles for Musculoskeletal Pathologies	3
PT 226 Therapeutic Procedures for Musculoskeletal Pathologies	2
PT 238 Pathophysiology I	3
PT 240 Orthotic and Prosthetic Considerations in Patient Care	1
PT 244 Clinical Affiliation II	2
PT 250 Therapeutic Principles for Cardiopulmonary Pathologies	2
PT 251 Therapeutic Procedures for Cardiopulmonary Pathologies	1
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>2</sup> p. 51	4-6
PT 248 Pathophysiology II	3
PT 254 Therapeutic Principles for Neuromuscular Pathologies	3
PT 255 Therapeutic Procedures for Neuromuscular Pathologies	2
PT 256 Clinical Affiliation III	2
<b>TOTAL CREDITS</b> .....	<b>14-16</b>

**DEGREE PLAN TOTAL CREDITS**..... **72-79**

<sup>1</sup>BIOL 223 has a prerequisite of BIOL 189 with a C or better; and BIOL 224 has a prerequisite of BIOL 223.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and complete HIST 102 or 217 in the fourth semester.



**Applied Politics/Political Management**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: PSC-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This certificate is designed to provide students with the skills, knowledge, and experience necessary to access employment opportunities in the fields of campaign and political management, or to move into baccalaureate programs specifically tailored to these fields of endeavor in the political world. This program embraces both academic and practical/fieldwork curriculum in an effort to give students the opportunity to see and experience those aspects of this career field which are most relevant to their career goals.

**STUDENT LEARNING OUTCOMES**

- Develop and demonstrate communications skills commensurate with particular career goals within this discipline.
- Learn the many facets of campaign politics or political management in America's political arena.
- Develop abilities to conceptualize, strategize and implement political tactics and campaign plans.
- Develop critical thinking skills in areas of community relations, organizational management and control, and discipline.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)****COMMUNICATIONS (6-8 credits)**

COM 101, 102; ENG 100, 101, 107, 113; JOUR 102

**SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)****CORE REQUIREMENTS (13 credits)**

PSC 101	Introduction to American Politics	4
PSC 251	Introduction to Campaign Management	3
PSC 261	Introduction to Survey Research and Demographics	3
PSC 299	Government Internship	3

**ELECTIVES (choose 12 credits)**

PSC 252	Elements of Political Communication	3
PSC 253	Online Campaign Strategies	3
PSC 257	Political Parties and Interest Groups	3
PSC 259	Lobbying and Issue Advocacy	3
PSC 260	Grassroots Politics	3

Computation included in PSC 261

Human Relations included in PSC 101

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	Credits
Complete Communications (see courses this page)	3-5
PSC 101 Introduction to American Politics	4
PSC 251 Introduction to Campaign Management	3
Complete Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

**SECOND SEMESTER**

	Credits
Complete Communications (see courses this page)	3
PSC 261 Introduction to Survey Research and Demographics	3
PSC 299 Government Internship	3
Complete Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **31-33**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Political Science**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PSC-AA

**DESCRIPTION**

The Political Science program at CSN emphasizes familiarizing students with the basis and functioning of the United States and Nevada governments. Students will also learn about the workings of international relations and the role of the United States in world politics. The study of Political Science will prepare students to pursue many different jobs and careers, especially in the fields of government service, diplomacy, law, politics, and teaching.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge and understanding of the U.S. Constitution and the Bill of Rights, the Nevada Constitution, the role of the various branches of government, America's diverse political values and beliefs, political parties, interest groups, the electoral process, and the development of our civil liberties and rights.
- Analyze and compare domestic politics within each of several diverse countries including analysis of various types of political systems and institutions, political culture, the impact of ethnic and religious diversity within countries, and competing political and economic ideologies.
- Explore and evaluate competing theoretical approaches to international relations including an analysis of arguable causes and consequences of war, relations between regions of the world, the role of diverse international actors, and the role of the United States in world politics.
- Examine major political theories and philosophies and explain how they informed the creation of the U.S. Constitution and reforms that have transpired over time.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (33 CREDITS)****MATHEMATICS (3 credits)**

Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses (must earn a C or better)

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**HUMANITIES (3 credits)**

Required: COM 101 Oral Communications

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 102 and HIST 111; or HIST 111 and HIST 217

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing PSC 201 as recommended for the Values and Diversity requirement will also cover 3 of the 12 credits needed to complete Electives on the Special Programs portion of the degree.

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)****CORE REQUIREMENTS (13 credits)**

PSC 101	Introduction to American Politics	4
PSC 200	Survey of Political Theory	3
PSC 211	Introduction to Comparative Politics	3
PSC 231	Introduction to International Relations	3

**ELECTIVES (choose 14 credits)**

GLO 101	Introduction to Global Studies	3
PSC 201	Politics of Minority Groups	3
PSC 205	Latino Politics and Society	3
PSC 208	Survey of State and Local Government	3
PSC 210	American Public Policy	3
PSC 222	Terrorism and Political Violence	3
PSC 246	Politics of Developing Nations	3
PSC 251	Introduction to Campaign Management	3
PSC 252	Elements of Political Communication	3
PSC 253	Online Campaign Strategies	3
PSC 257	Political Parties and Interest Groups	3
PSC 259	Lobbying and Issue Advocacy	3
PSC 260	Grassroots Politics	3
PSC 261	Introduction to Survey Research and Demographics	3
PSC 295	Special Topics in Political Science	1-3
PSC 297	Capstone in Political Science	2
PSC 299	Government Internship	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Political Science**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PSC-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
PSC 200 Survey of Political Theory	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AS/AB Natural Science <sup>1</sup> (with lab) p. 50	3-4
HIST 101 or 111	3
PSC 101 Introduction to American Politics	4
Complete Electives <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science (no lab) p. 50	3
HIST 102 or 217	3
PSC 211 Introduction to Comparative Politics	3
Complete Electives <sup>2</sup> (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
See AA/AB/AS Literature p. 49	3
See AA/AB/AS Fine Arts p. 50	3
PSC 231 Introduction to International Politics	3
PSC 297 Capstone in Political Science	2
Complete Electives <sup>2</sup> (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-63</b>

<sup>1</sup>Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

<sup>2</sup>Completing PSC 201 as one of your Electives will also cover the Values and Diversity general education requirement.



## Practical Nursing

### CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 44

**LIMITED ENTRY**  
 DEGREE CODE: PRN-CT

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

#### IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

#### DESCRIPTION

The Practical Nursing Program is designed to prepare the graduate to provide nursing care in structured health care settings for clients of all ages who have well defined health problems with predictable outcomes. Emphasis is placed on the ability to make sound judgments based on critical thinking skills, the knowledge of scientific principles, and the ability to use technical skills in a variety of settings. Graduates are eligible to apply to take the National Council Licensure Examination-Practical Nurse (NCLEX-PN) to become a licensed practical nurse (LPN). The program has full approval status by the Nevada State Board of Nursing, 4220 S. Maryland Parkway, Suite 300, Las Vegas, NV 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

#### STUDENT LEARNING OUTCOMES

- Apply knowledge of safe, quality, evidence-based, patient-centered nursing care in a variety of environments to diverse patient populations and cultures across the lifespan.
- Exercise clinical reasoning to promote health as well as psychosocial and physiological integrity.
- Apply quality improvement processes to improve patient care.
- Collaborate with the interdisciplinary team, the patient, and the patient's support persons when managing patient care.
- Apply management theories and legal, ethical, and professional standards in practice as a practical nurse.
- Maximize the use of information management systems and patient care technology to communicate, update knowledge, avoid error, and support decision making.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

##### MATHEMATICS (3 credits)

MATH 104B or 120 or above (except MATH 122, 123)

##### COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

##### HUMAN RELATIONS (3 credits)

Required: PSY 101 General Psychology

#### SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

HHP 123B*	Introduction to the Human Body	4
HHP 124B*	Introduction to the Human Body Computer Lab	1
HIT 117B	Medical Terminology I	1
PN 100L	Practical Nursing Learning Lab	1
PN 101B	Introduction to Practical Nursing	2
PN 103B	Gerontological Health Care	2
PN 104B	Practical Nursing Fundamentals	5
PN 105B	Practical Nursing I	5
PN 106B	Family Nursing	3
PN 108B	Practical Nursing II	4
PN 110B	Practical Nursing Seminar/Management Concepts	4
PN 125B	Pharmacology for Practical Nursing Practice	3

##### Other Requirements

Completion of an approved nursing assistant course and current nursing assistant certification in Nevada by the start of the 3rd semester.

Computation included in MATH 104B, 120 or above (except MATH 122, 123)

Human Relations included in PSY 101

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Practical Nursing**  
CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 44

**LIMITED ENTRY**  
DEGREE CODE: PRN-CT

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER<sup>1</sup></b>	<b>Credits</b>
NURS 130 Nursing Assistant <sup>2</sup>	(6)
HHP 123B Introduction to the Human Body <sup>3</sup>	4
HHP 124B Introduction to the Human Body Computer Lab <sup>3</sup>	1
PN 100L Practical Nursing Learning Lab	1
<b>TOTAL CREDITS</b> .....	<b>6(12)</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete Communications (see courses previous page)	3-5
PSY 101 General Psychology	3
HIT 117B Medical Terminology I	1
PN 101B Introduction to Practical Nursing	2
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
PN 103B Gerontological Health Care	2
PN 104B Practical Nursing Fundamentals	5
PN 105B Practical Nursing I	5
PN 125B Pharmacology for Practical Nursing Practice	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PN 106B Family Nursing	3
PN 108B Practical Nursing II	4
PN 110B Practical Nursing Seminar/Management Concepts	4
<b>TOTAL CREDITS</b> .....	<b>11</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>44(50) - 46(52)</b>

<sup>1</sup>Prior to starting courses take English and Math placement examinations. Attend a Health Sciences Orientation. Take TEAS exam. Attend Limited Entry Orientation and apply for Practical Nursing Program.

<sup>2</sup>Completion of an approved nursing assistant course and current nursing assistant certification in Nevada by the start of the 3rd semester. Recommended that this be completed the first semester.

<sup>3</sup>BIOL 223 and BIOL 224 would be accepted in lieu of HHP 123B and HHP 124B.

Interview with ADN Program Director regarding Bridge option to Registered Nurse. Start RN Program at completion of program.

NOTE: First three months after graduation:

- Take NCLEX-PN prep course (Optional).
- Take NCLEX-PN Exam – Required for licensure.



**Practical Nursing - Military Medic/Corpsman to LPN**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 34

**LIMITED ENTRY**  
DEGREE CODE: PRNMMC-CT

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Military Medic/Corpsman to LPN program is designed to prepare the graduate to provide nursing care in structured health care settings for clients of all ages who have well defined health problems with predictable outcomes. Emphasis is placed on the ability to make sound judgments based on critical thinking skills, the knowledge of scientific principles, and the ability to use technical skills in a variety of settings. Graduates are eligible to apply to take the National Council Licensure Examination-Practical Nurse (NCLEX-PN) to become a licensed practical nurse (LPN). The Practical Nursing Program has full approval status by the Nevada State Board of Nursing, 4220 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, NV 89119, 702-486-5800; and is accredited by the Accrediting Commission for Nursing Education, Inc., (formerly the National League for Nursing Accrediting Commission, Inc.), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

This is a limited entry program. Military medical background

**STUDENT LEARNING OUTCOMES**

- Apply knowledge of safe, quality, evidence-based, patient-centered nursing care in a variety of environments to diverse patient populations and cultures across the lifespan.
- Exercise clinical reasoning to promote health, as well as psychological and physiological integrity.
- Apply quality improvement processes to improve patient care.
- Collaborate with the interdisciplinary team, the patient, and the patient’s support persons when managing patient care.
- Apply management theories and legal, ethical, and professional standards in practice as a practical nurse.
- Maximize the use of information management systems and patient care technology to communicate, update knowledge, avoid error, and support decision making.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

ENG 100 or 101 or 102 or 113 or 114

**SPECIAL PROGRAM REQUIREMENTS (31 CREDITS)**

<b>Military Medical Course(s)</b>	16
PN 106B Family Nursing	3
PN 107B Adult Health Nursing 1	4.5
PN 109B Adult Health Nursing 2	4.5
PN 111B Practical Nursing Leadership/Management	3

Computation included in PN 106B, 107B, 109B

Human Relations included in PN 106B, 107B, 109B, 111B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>PREQUISITES<sup>1</sup></b>	<b>Credits</b>
Military Medical Courses	
Submit official transcripts indicating basic military medical training <sup>2</sup>	16
Gen. Ed. Communications Requirement	
ENG 100 or 101 or 102 or 113 or 114	3
<b>TOTAL CREDITS</b> .....	<b>29</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Special Program Requirements	
PN 106B Family Nursing	3
PN 107B Adult Health Nursing 1	4.5
PN 109B Adult Health Nursing 2	4.5
PN 111B Practical Nursing Leadership/Management	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>34</b>

<sup>1</sup>Meet with the Practical Nursing Program Director.

<sup>2</sup>Submit official transcripts indicating completion of basic military medical training (16 credits).

<sup>3</sup>Submit official transcripts indicating completion of ENG 100 or 101 or 102 or 113 or 114 (3-5 Credits).

**NOTE: Prior to graduation:**

- Apply for graduation.
- Apply for LPN license.
- Apply for NCLEX-PN examination.

**NOTE: The first three months after graduation:**

- Take NCLEX-PN prep course (optional).
- Take NCLEX-PN (required for licensure).

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Psychology

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PSY-AA

**DESCRIPTION**

The Associate of Arts in Psychology is primarily designed for students who plan to transfer to a baccalaureate degree level college in psychology or a related field. This degree program offers students an essential foundation in the theoretical perspectives and social science research methods of psychology, as well as options to explore more specialized topics in psychology or closely-related fields.

**STUDENT LEARNING OUTCOMES**

- Describe the major theories, historical trends, perspectives, and research findings of psychology.
- Discuss the range of fields and careers in psychology and the respective educational, ethical, experiential, and credential requirements.
- Utilize basic statistical techniques used in psychological research.
- Employ basic principles of research design, methodology, and report writing used in psychology.
- Demonstrate fundamental concepts in specialized and applied areas of psychology.
- Apply basic principles of behavior and mental processes.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 124 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

COM 101; and one course from the following: HIST; World Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. PSY 101 or 101H fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

See a counselor/advisor to select 26 transferable credits.

**CORE REQUIREMENTS (12 credits)**

PSY 200	Introduction to the Psychology Major	1
PSY 210	Introduction to Statistical Methods	4
PSY 240	Introduction to Research Methods	3
PSY 298	Capstone Course	1

**Choose one from the following (3 credits)**

PSY 101	General Psychology	3
PSY 101H	General Psychology – Honors	3

**SPECIAL PROGRAM REQUIREMENTS CONTINUED****ELECTIVES (choose 14 credits)**

MHDD 103	Psychopathology and Developmental Disabilities	1
MHDD 107	Medication Fundamentals	2
MHDD 109	Introduction to Therapeutic Interventions	2
MHDD 127	Positive Behavior Supports	2
MHDD 130	Teaching Life Skills	3
MHDD 150	Issues in Substance Abuse	1
MHDD 154	Advanced Therapeutic Interventions	2
MHDD 160	Understanding Mental Illness	2
MHDD 210	Autism Spectrum Disorders	3
PSY 102	Psychology of Personal and Social Adjustment	3
PSY 130	Human Sexuality	3
PSY 201	Lifespan Development	3
PSY 203	Advanced General Psychology I	3
PSY 206	Business/Industrial Psychology	3
PSY 207	Psychology and the Family	3
PSY 208	Psychology of Human Relations	3
PSY 224	Introduction to Latino Psychology	3
PSY 228	Psychology of Dreams	3
PSY 233	Child Psychology	3
PSY 234	Psychology of Adolescence	3
PSY 241	Introduction to Abnormal Psychology	3
PSY 261	Introduction to Social Psychology	3
PSY 270	Understand Psychology Through Film	3
PSY 276	Aging in Modern American Society	3
PSY 299	Special Topics	3

Up to 9 credits from the following courses may also be used as part of the 14 elective credits if needed to meet specific program requirements at UNLV, UNR, or NSC.

\* Up to nine credits in three different disciplines, from ANTH 101; ECON; PSC; SOC; WMST 101, 113

\* Up to three credits from ART; DAN; MUS; THTR

\* Up to three credits from World Languages

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Psychology

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: PSY-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
ENG 100 or 101 or 113	3-5
Complete Natural Science (No Lab – see courses previous page)	3
COM 101 Oral Communication	3
PSY 101 or PSY 101H	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Natural Science <sup>1</sup> (With Lab – see courses previous page)	3-4
Complete AA/AB/AS Analytical Reasoning p. 50	3
PSY 200 Introduction to the Psychology Major	1
PSY 210 Introduction to Statistical Methods	4
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Fine Arts p. 50	3
Complete AA/AB/AS US/Nevada Constitutions <sup>2</sup> p. 50	4-6
PSY 240 Introduction to Research Methods	3
Complete Electives (see courses previous page)	6
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete Humanities <sup>3</sup> (see courses previous page)	3
PSY 298 Capstone Course	1
Complete Electives (see courses previous page)	8
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

<sup>3</sup>Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and...”





## Radiation Therapy Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 82

**LIMITED ENTRY**  
DEGREE CODE: RADTHR-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Radiation Therapy Associate of Applied Science degree program prepares graduates to work with the Radiation Oncologist in delivering daily doses of ionizing radiation for cancer treatment. Graduates are eligible to sit for the National examination for the American Registry of Radiologic Technologist Certification in Radiation Therapy. A limited entry program; students must attend a health programs orientation and meet with the Health Programs Advisor for additional counseling.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the ability to pass the ARRT national accreditation examination.
- Demonstrate basic knowledge of what cancer is and how cancer is treated.
- Demonstrate competency in the operation of linear accelerator and performance of emergency procedures.
- Demonstrate the ability to pursue opportunities in management after sufficient clinical experience has been earned.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (31 CREDITS)****MATHEMATICS (3 credits)**

MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

**NATURAL SCIENCE (12 credits)**

BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)**

RDTP 101B	Introduction to Radiation Therapy	2
RDTP 102B	Methodologies I	2
RDTP 103B	Introduction to Oncology	1
RDTP 105B	Principles and Practice of Radiation Therapy	2
RDTP 115B	Caring for the Patient at the End of Life	1
RDTP 125B	Radiographic Process	2
RDTP 150B	Introduction to Radiation Physics	2
RDTP 180B	Radiobiology	3
RDTP 202B	Radiotherapy Physics	3
RDTP 210B	Treatment Planning I	3
RDTP 211B	Radiographic Analysis	2
RDTP 212B	Cross Sectional, Topographic and Radiological Anatomy	2
RDTP 213B	Radiation Oncology	3
RDTP 214B	Methodologies II	2
RDTP 215B	Treatment Planning II	3
RDTP 216B	Methodologies III	2
RDTP 219B	Advanced Radiation Therapy Techniques	2
RDTP 220B	Treatment Planning Lab	1
RDTP 221B	Ethics/Law/Professionalism	2
RDTP 229B	Radiation Therapy Board Review	1
RDTP 230B	Clinical Applications I	1
RDTP 231B	Clinical Applications II	1
RDTP 232B	Clinical Practicum III	3
RDTP 233B	Clinical Practicum IV	1
RDTP 234B	Clinical Practicum V	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Radiation Therapy Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 82

**LIMITED ENTRY**  
DEGREE CODE: RADTHR-AAS

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 50	3-5
BIOL 223 Human Anatomy and Physiology I	4
EGG 131 and EGG 131L; or PHYS 110 or above	4
<b>TOTAL CREDITS</b> .....	<b>14-16</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
RDTP 101B Introduction to Radiation Therapy	2
RDTP 103B Introduction to Oncology	1
RDTP 105B Principles and Practice of Radiation Therapy	2
RDTP 125B Radiographic Process	2
RDTP 150B Introduction to Radiation Physics	2
RDTP 230B Clinical Applications I	1
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
BIOL 224 Human Anatomy and Physiology II	4
RDTP 102B Methodologies I	2
RDTP 115B Caring for the Patient at the End of Life	1
RDTP 210B Treatment Planning I	3
RDTP 211B Radiographic Analysis	2
RDTP 220B Treatment Planning Lab	1
RDTP 221B Ethics/Law/Professionalism	2
RDTP 231B Clinical Applications II	1
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
RDTP 232 Clinical Practicum III	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
PSY 101 General Psychology	3
RDTP 202B Radiotherapy Physics	3
RDTP 213B Radiation Oncology	3
RDTP 214B Methodologies II	2
RDTP 215B Treatment Planning II	3
RDTP 219B Advanced Radiation Therapy Techniques	2
RDTP 233B Clinical Practicum IV	1
<b>TOTAL CREDITS</b> .....	<b>17</b>
<b>SIXTH SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
RDTP 180B Radiobiology	3
RDTP 212B Cross Sectional, Topographic and Radiological Anatomy	2
RDTP 216B Methodologies III	2
RDTP 229B Radiation Therapy Board Review	1
RDTP 234B Clinical Practicum V	4
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>82-84</b>



**Real Estate**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: RE-AAS

**DESCRIPTION**

The Associate of Applied Science Degree in Real Estate provides the graduate with knowledge and skills to make intelligent decisions in the acquisition, ownership and disposition of real estate. The degree provides entry-level proficiency for real estate salesmen, brokers, property managers and appraisers. The program also provides enrichment for escrow officers, loan officers, building contractors and land developers.

**STUDENT LEARNING OUTCOMES**

- Explain real estate listing practices and how they apply to the real estate market in general.
- Apply negotiation strategies to real-life professional situations involving real estate transactions.
- Explain the purpose of a standard real estate appraisal and the practices by which it is used.
- Demonstrate ability to complete real estate transactions in accordance with local, state, and Federal guidelines.
- Demonstrate ability to obtain an official real estate license required to practice in the capacity of real estate agent.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**

**MATHEMATICS (3 credits)**

BUS 109B; or MATH 104B or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)**

BUS 101	Introduction to Business	3
IS 101	Introduction to Information Systems	3
MKT 210	Marketing Principles	3
RE 101	Real Estate Principles	3
RE 102B	Real Estate Math	3
RE 103	Real Estate Law and Practice	3
RE 199	Real Estate Investments	3
RE 201B	Real Estate Brokerage	3
RE 202	Real Estate Financing and Insurance	3
RE 203B	Tax Aspects of Real Property Transactions	3
RE 205B	Real Property Management	3
RE 206	Real Estate Appraising	3
RE 295B	Work Experience I	3

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 50	3-5
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
IS 101 Introduction to Information Systems	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	<b>Credits</b>
Complete AAS US/Nevada Constitutions <sup>1</sup> p. 51	4-6
BUS 101 Introduction to Business	3
MKT 210 Marketing Principles	3
RE 101 Real Estate Principles	3
RE 102B Real Estate Math	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

**THIRD SEMESTER**

	<b>Credits</b>
Complete Natural Science (see courses this page)	3
RE 103 Real Estate Law and Practice	3
RE 199 Real Estate Investments	3
RE 201B Real Estate Brokerage	3
RE 202 Real Estate Financing and Insurance	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**FOURTH SEMESTER**

	<b>Credits</b>
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
RE 203B Tax Aspects of Real Property Transactions	3
RE 205B Real Property Management	3
RE 206 Real Estate Appraising	3
RE 295B Work Experience I	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS..... 61-65**

<sup>1</sup>PSC 101 satisfies this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third or fourth semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Real Estate**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: RE-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Certificate of Achievement in Real Estate provides students with the knowledge and skills necessary to make intelligent decisions in the acquisition, ownership and disposition of real estate. The certificate offers entry-level proficiency for real estate salesmen, brokers, property managers and appraisers. The program also provides enrichment for currently employed escrow officers, loan officers, building contractors and land developers.

Successful completion of RE 101 and RE 103 will enable students to satisfy requirements of the Nevada State Real Estate Commission to take the Salesman’s Exam. RE 101, RE 103 and RE 206 are among several courses required by the Nevada Real Estate Commission to take the Broker’s Exam.

**STUDENT LEARNING OUTCOMES**

- Explain real estate listing practices and how they apply to the real estate market in general.
- Apply negotiation strategies to real-estate professional situations involving real estate transactions.
- Explain the purpose of a standard real estate appraisal and the practices by which it is used.
- Demonstrate ability to complete real estate transactions in accordance with local, state, and federal guidelines.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (6 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

**SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)**

RE 101	Real Estate Principles	3
RE 102B	Real Estate Math	3
RE 103	Real Estate Law and Practice	3
RE 199	Real Estate Investments	3
RE 202	Real Estate Financing and Insurance	3
RE 203B	Tax Aspects of Real Property Transactions	3
RE 205B	Real Property Management	3
RE 206	Real Estate Appraising	3

Computation included in RE 102B

Human Relations included in RE 202

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Communications (see courses this page)	3-5
Complete Human Relations (see courses this page)	3
RE 101 Real Estate Principles	3
RE 102B Real Estate Math	3
<b>TOTAL CREDITS</b> .....	<b>12-14</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
RE 103 Real Estate Law and Practice	3
RE 199 Real Estate Investments	3
RE 202 Real Estate Financing and Licensure	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
RE 203B Tax Aspects of Real Property Transactions	3
RE 205B Real Property Management	3
RE 206 Real Estate Appraising	3
<b>TOTAL CREDITS</b> .....	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>30-32</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Retail Management

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: RTLMGT-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program was developed out of a collaborative effort between the retail industry and the College. The curriculum encompasses several business essentials, including management and communication, required for career success.

**STUDENT LEARNING OUTCOMES**

- Demonstrate a strong foundation in writing, oral communications, math applications and computer literacy.
- Understand the fast-paced challenges prevalent in the retail industry.
- Understand the scope of the retail manager’s job and an understanding of the basic requirements for success performance management.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: BUS 108 Business Letters and Reports

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

BUS 109B	Business Mathematics	3
COM 101	Oral Communication	3
IS 101	Introduction to Information Systems	3
MGT 201	Principles of Management	3
MGT 212	Leadership and Human Relations	3
MGT 283	Introduction to Human Resources Management	3
MKT 127	Introduction to Retailing	3
MKT 210	Marketing Principles	3
<b>Choose one from the following (3 credits)</b>		
ACC 135B	Bookkeeping I	3
ACC 201	Financial Accounting	3

Computation included in ACC 135B or ACC 201

Human Relations included in MGT 212

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
BUS 108 Business Letters and Reports	3
COM 101 Oral Communications	3
IS 101 Introduction to Information Systems	3
MGT 212 Leadership and Human Relations	3
<b>TOTAL CREDITS.....</b>	<b>12</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
BUS 109B Business Mathematics	3
MGT 201 Principles of Management	3
ACC 135B or ACC 201	3
<b>TOTAL CREDITS.....</b>	<b>9</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
MGT 283 Introduction to Human Resources Management	3
MKT 127 Introduction to Retailing	3
MKT 210 Marketing Principles	3
<b>TOTAL CREDITS.....</b>	<b>9</b>
<b>DEGREE PLAN TOTAL CREDITS.....</b>	<b>30</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Sociology**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: SOC-AA

**DESCRIPTION**

The Associate of Arts Degree with an Emphasis in Sociology offers basic skills in critical thinking, data analysis, writing, and oral communication to career oriented students and those preparing for advanced undergraduate study in sociology.

**STUDENT LEARNING OUTCOMES**

- Investigate individual and collective experiences of social life using the theoretical and methodological tools of sociology.
- Synthesize information from trends within sociology concerning culture, social structure, cultural diversity, and social inequality.
- Evaluate research findings in sociology by examining methods of sampling, measurement, data collection, analysis and interpretation, as well as ethical considerations in the research process.
- Formulate research questions, explanations or policy recommendations based on major sociological perspectives that address problems of behavior and interaction, social structure and social change.
- Evaluate viable career choices in the application of sociological concepts, theory, and methods directed at improving social life.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (36 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 123 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; PHYS

**HUMANITIES (6 credits)**

COM 101; **and** one course from the following: HIST; or PHIL 101, 119, 129, 201, 202, 203; RST; World Languages 111 or above

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 **and** HIST 102; or HIST 101 **and** HIST 217; or HIST 102 **and** HIST 111; or HIST 111 **and** HIST 217

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. SOC 101 or 102 fulfills this requirement

**SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)****CORE REQUIREMENTS (9 credits)**

SOC 101	Principles of Sociology	3
or		
SOC 101H	Principles of Sociology – Honors	3
and		
SOC 102	Contemporary Social Issues	3
and		
SOC 289	Applied Skills in Sociology	3

**Theory and Methods Electives (6-7 credits)****Choose two courses from the following**

*Please note: Students CANNOT complete both SOC 240 and 241 to satisfy this section of the degree.*

SOC 207	Introduction to Sociological Theory	3
SOC 210	Introduction to Statistical Methods	4
SOC 240	Social Science Research Methods	3
SOC 241	Introduction to Research Methods	3

**Sociology Elective (choose 3-4 credits)****Choose one of the following**

**NOTE: SOC 207, 210, 240, and 241 may only be counted once.**

SOC 205	Ethnic Groups in Contemporary Societies	3
SOC 207	Introduction to Sociological Theory	3
SOC 210	Introduction to Statistical Methods	4
SOC 222	Terrorism and Political Violence	4
SOC 225	Media and Society	3
SOC 240	Social Science Research Methods	3
SOC 241	Introduction to Research Methods	3
SOC 261	Introduction to Social Psychology	3
SOC 270	Introduction to Deviant Behavior	3
SOC 275	Introduction to Marriage and Family	3
SOC 276	Aging in Modern Society	3
SOC 295	Sociology of the Future	3
SOC 298	Selected Topics in Sociology	3

**SOCIAL SCIENCE ELECTIVES**

(Six credits must be from two different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; WMST 113

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Sociology**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: SOC-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
Complete Mathematics (see courses previous page)	3
Complete Natural Science (No Lab – see courses previous page)	3
SOC 101 or 102 <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete Humanities <sup>2</sup> (see courses previous page)	3
Complete Natural Science (With Lab – see courses previous page)	3-4
Complete AA/AS/AB Fine Arts p. 50	3
SOC 101 or 102 <sup>1</sup>	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
HIST 101 or HIST 111	3
SOC 207 or 210 <sup>1</sup> or 240	3-4
SOC 207 or 210 <sup>1</sup> or 240	3-4
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
HIST 102 or HIST 217	3
Complete Social Science Electives (see courses previous page)	6
Complete Sociology Elective (see courses previous page)	3-4
SOC 289 Applied Skills in Sociology	3
<b>TOTAL CREDITS</b> .....	<b>15-16</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-66</b>

<sup>1</sup>Either course also fulfills the GE Values and Diversity Requirements<sup>2</sup>Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and...”

**Surgical Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63.5

**LIMITED ENTRY**  
DEGREE CODE: SURG-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

The Surgical Technologist functions as a member of the surgical team anticipating the needs of the surgeon, passing instruments and providing sterile items in an efficient manner. This program provides graduates with the knowledge and technical skills to obtain entry level employment in hospitals, outpatient surgery centers, clinics, urgent care facilities, and private surgeon’s offices. Students receive a balanced education in both theory and clinical practice.

The is accredited by the Commission on Accreditation of Allied Health Education Programs ([www.caahep.org](http://www.caahep.org)) upon the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the highest level of surgical conscience in the operating room.
- Demonstrate the ability to function as part of the health care profession.
- Demonstrate entry level competencies necessary for employment.
- Demonstrate competencies necessary to prepare for the Surgical Technology National Certifying Examination.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

ENG 100 or 101 or 113

**COMMUNICATIONS (3 credits)**

Required: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: SOC 101 Principles of Sociology

**NATURAL SCIENCE (8 credits)**

Required: BIOL 223 and 224

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (36.5 CREDITS)**

CLS 125B	Microbiology for Surgical Technicians	2
CLS 126B	Applied Microbiology for Surgical Technicians	1
HIT 117B	Medical Terminology I	1
SRGT 101B	Introduction to Surgery Technology	1
SRGT 103B	Pharmacology for the Surgical Technologist	2
SRGT 105B	Surgical Interventions I	5
SRGT 106B	Surgical Fundamentals I	3
SRGT 108B	Central Services Practicum	0.5
SRGT 114B	Principles and Practices of Surgical Technology I	3
SRGT 204B	Principles and Practices of Surgical Technology II	3
SRGT 205B	Surgical Interventions II	5
SRGT 206B	Surgical Fundamentals II	3
SRGT 207B	Clinical Practicum I	4
SRGT 210B	Clinical Practicum II	3

See Degree Plan on next page.

- NOTE**
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  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Surgical Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63.5

**LIMITED ENTRY**

DEGREE CODE: SURG-AAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
BIOL 189 Fundamentals of Life Science <sup>1</sup>	(3)
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
SOC 101 Principles of Sociology	3
BIOL 223 Human Anatomy and Physiology I	4
HIT 117B Medical Terminology I	1
<b>TOTAL CREDITS</b> .....	<b>14 (17) - 16 (19)</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
PSY 101 General Psychology	3
BIOL 224 Human Anatomy and Physiology II	4
Complete US/NV Constitutions <sup>2</sup> (see courses previous page)	4-6
SRGT 101B Introduction to Surgery Technology	1
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
CLS 125B Microbiology for Surgical Technicians	2
CLS 126B Applied Microbiology for Surgical Technicians	1
SRGT 103B Pharmacology for the Surgical Technologist	2
SRGT 105B Surgical Interventions I	5
SRGT 106B Surgical Fundamentals I	3
SRGT 114B Principles and Practices of Surgical Technology I	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
SRGT 108B Central Services Practicum	0.5
SRGT 204B Principles and Practices of Surgical Technology II	3
SRGT 205B Surgical Interventions II	5
SRGT 206B Surgical Fundamentals II	3
SRGT 207B Clinical Practicum I	4
<b>TOTAL CREDITS</b> .....	<b>15.5</b>
<b>FIFTH SEMESTER</b>	<b>Credits</b>
SRGT 210B Clinical Practicum II	3
<b>TOTAL CREDITS</b> .....	<b>3</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>63.5 (66.5) - 67.5 (70.5)</b>

<sup>1</sup>BIOL 189, although not included for the AAS degree, it is a prerequisite of BIOL 223 and BIOL 225 and must be completed prior to enrolling in those classes.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the 2nd semester and HIST 102 or 217 in the fourth semester.



**Theatre**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: THTRE-AA

**DESCRIPTION**

The Associate of Arts in Theatre offers generalized study in all aspects of theatre for students who wish to pursue a career in theatre or transfer to a four-year degree program in theatre. Courses of study include play structure and analysis, acting, voice and movement, directing, stage combat, technical production, design, stagecraft, lighting, and costume technology.

**STUDENT LEARNING OUTCOMES**

- Analyze plays and performance through script analysis, collaborative discussion, and practical application.
- Assess the impact of acting, directing, scenery, lighting, and costumes on a theatrical production.
- Model roles and responsibilities of the production process in the areas of acting, scenery, costumes, lighting, design, and production.
- Identify theatre vocabulary through reading, research, and practical application.
- Prepare for professional careers in theatre or transfer into a four-year degree program in performance and design/technology.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

Choices: See AA/AB/AS policy p. 49 for courses  
Recommended: MATH 120 Fundamentals of College Mathematics

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

Choices: See AA/AB/AS policy p. 49 for courses  
Recommended: ENG 223 Themes of Literature

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Choices: See AA/AB/AS policy p. 50 for courses  
Recommended: PSC 101 Introduction to American Politics

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing any of the following recommended courses satisfies this requirement: ENG 223 or ANTH 101 or PSY 101.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****CORE REQUIREMENTS (18 credits)**

THTR 199	Play Structure and Analysis	3
THTR 200	Introduction to Design/Technology	3
THTR 204	Theatre Technology I	3
THTR 214	Costume Design Technology	3
THTR 230	Voice and Movement for the Actor I	3
THTR 231	Acting Studio I: Technique	3

**Theatre Electives (3 credits)**

THTR 133	Fundamentals of Directing	3
THTR 201	Costume Design I	3
THTR 203	Lighting Design I	3
THTR 211	Stage Makeup Design	3
THTR 280	Acting Studio I: Audition	3

**Practicum Electives (5 credits)**

THTR 208A	Acting Practicum	1-2
THTR 208C	Costume Practicum	1-2
THTR 208D	Scenery Practicum	1-2
THTR 208E	Special Topics Practicum	1-2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Theatre

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: THTR-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
Complete AA/AB/AS Social Science p. 50	3
THTR 199 Play Structure and Analysis	3
THTR 200 Introduction to Design/Tech	3
THTR 208C Costume Practicum	1
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
THTR 204 Theatre Technology I	3
THTR 208D Scenery Practicum	1
THTR 231 Acting Studio I: Technique	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Social Science p. 50	3
ENG 223 Themes of Literature	3
THTR 208C Costume Practicum	1
THTR 214 Costume Technology	3
THTR 208E Special Topics Practicum	1
Complete Theatre Elective (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Natural Science <sup>1</sup> (With Lab) p. 50	3-4
Complete AA/AB/AS Social Science p. 50	3
PSC 101 Introduction to American Politics	4
THTR 208A Acting Practicum	1
THTR 230 Voice and Movement for the Actor I	3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-63**<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

**Concierge Management**  
**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 30**

**DEGREE CODE: HMDCON-CT**

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Concierge Management Certificate program is designed to provide students with the skills and knowledge needed to become a professional concierge. The curriculum is designed to teach students basic skill sets required for entry level positions as a Concierge.

**STUDENT LEARNING OUTCOMES**

- Demonstrate knowledge of Concierge Management Operations.
- Demonstrate ability to operate the fundamentals of Concierge software program.
- Demonstrate ability to communicate effectively with team members and guests.
- Demonstrate knowledge of human relations and customer service skills.
- Demonstrate knowledge of cultural awareness and diversity.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

FAB 271	Wine Appreciation	3
TCA 100B	Concierge Management - Business Operations and Customer Service	3
TCA 101B	Concierge Software Applications and Operations	3
TCA 110	Introduction to the Convention Industry	3
TCA 141	Travel and Tourism I	3
TCA 200	Airlines Reservations	3
TCA 241	Travel and Tourism II	3
TCA 251	Tourism and Convention Externship	3

**ELECTIVES (choose 3 credits)**

CHI 101B	Conversational Chinese I	3
FREN 101B	Conversational French I	3
GER 101B	Conversational German I	3
ITAL 101B	Conversational Italian I	3
JPN 101B	Conversational Japanese I	3
KOR 101B	Conversational Korean I	3
SPAN 101B	Basics of Spanish I	3

Computation included in TCA 100B  
 Human Relations included in TCA 141

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Communications (see courses this page)	3-5
TCA100B Concierge Management Business Operations and Customer Service	3
TCA 101B Concierge Software Applications and Operations	3
TCA 141 Travel and Tourism I	3
TCA 241 Travel and Tourism II	3
<b>TOTAL CREDITS.....</b>	<b>15-17</b>

**SECOND SEMESTER**

	<b>Credits</b>
FAB 271 Wine Appreciation <sup>1</sup>	3
TCA 110 Introduction to the Convention Industry	3
TCA 200 Airlines Reservations	3
TCA 251 Tourism and Convention Industry	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS.....</b>	<b>15</b>

**DEGREE PLAN TOTAL CREDITS.....30-32**

<sup>1</sup>Minimum age for enrollment is 21

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





**Tourism, Convention, and Event Planning**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: TRVTCEPAAS

**DESCRIPTION**

The Tourism, Convention and Event Planning Degree is designed to provide exciting career opportunities, and produce professionals who want to work in the Tourism, Convention, and Event Planning industries. Students will be prepared to enter management training positions and, for those presently employed, to assume managerial responsibility.

This program is accredited by the Accreditation Commission for Programs for Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: [aoc@shore.intercom.net](mailto:aoc@shore.intercom.net) or [acpha@atlanticbb.net](mailto:acpha@atlanticbb.net).

**STUDENT LEARNING OUTCOMES**

- Demonstrate the criteria of different types of events and how they relate to tourism in a project.
- Create a meeting/event from inception to completion using the components of tourism.
- Demonstrate good oral and written communication skills in working with clients, colleagues, and vendors around the world.
- Enhance customer service and relationship skills in a multicultural and global society.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or 120 or above (except MATH 122, 123)

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (3 credits)**

ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

See AAS policy p. 51 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AAS policy p. 51 for courses

**SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)****CORE REQUIREMENTS (24 credits)**

FAB 285	Catering Management	3
HMD 101	Introduction to the Hospitality Industry	3
TCA 110	Introduction to the Convention Industry	3
TCA 141	Travel and Tourism I	3
TCA 188	Special Events Planning	3
TCA 241	Travel and Tourism II	3
TCA 251	Tourism and Convention Externship	3
TCA 289	Introduction to Corporate Meetings and Events	3

**ELECTIVES (choose 15 credits)**

FLOR 102B	Introduction to Floral Design	3
TCA 100B	Concierge Management - Business Operations and Customer Service	3
TCA 101B	Concierge Software Applications and Operations	3
TCA 183	Conference and Convention Planning	3
TCA 190	Introduction to Destination Marketing	3
TCA 200	Airlines Reservations	3
TCA 222	Wedding Planning	3
TCA 225	Introduction to International Tourism	3
TCA 276	Introduction to Trade Show Operations	3

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Tourism, Convention, and Event Planning**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: TRVTCEPAAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AAS English Composition p. 50	3-5
Complete Communications (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science p. 51	3
TCA 141 Travel and Tourism I	3
TCA 241 Travel and Tourism II	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page)	3
HMD 101 Introduction to the Hospitality Industry	3
TCA 110 Introduction to the Convention Industry	3
TCA 188 Special Events Planning	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete Natural Science (see courses previous page)	3
Complete AAS US/NV Constitutions <sup>1</sup> p. 51	4-6
FAB 285 Catering Management	3
TCA 289 Introduction to Corporate Meetings and Events	3
Complete Electives (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Human Relations (see courses previous page)	3
TCA 251 Tourism and Convention Externship	3
Complete Electives (see courses previous page)	9
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS..... 61-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.



**Tourism, Convention, and Event Planning**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: TRVTCEP-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

The Tourism, Convention and Event Planning Certificate of Achievement is designed to provide exciting career opportunities, and produce professionals who want to work in the Tourism, Convention, and Event Planning industries.

This program is application oriented and students will learn contemporary skills and valuable techniques to enter and compete in today’s fast-paced, multi-cultural, meeting planning, and tourism environments.

**STUDENT LEARNING OUTCOMES**

- Demonstrate the criteria of different types of events and how they relate to tourism in a project.
- Create a meeting/event from inception to completion using the components of tourism.
- Demonstrate good oral and written communication skills in working with clients, colleagues, and vendors around the world.
- Enhance customer service and relationship skills in a multicultural and global society.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

FAB 285	Catering Management	3
HMD 101	Introduction to the Hospitality Industry	3
TCA 110	Introduction to the Convention Industry	3
TCA 141	Travel and Tourism I	3
TCA 188	Special Events Planning	3
TCA 241	Travel and Tourism II	3
TCA 251	Tourism and Convention Externship	3
TCA 289	Introduction to Corporate Meetings and Events	3

**ELECTIVES (choose 3 credits)**

FLOR 102B	Introduction to Floral Design	3
TCA 100B	Concierge Management - Business Operations and Customer Service	3
TCA 101B	Concierge Software Applications and Operations	3
TCA 183	Conference and Convention Planning	3
TCA 190	Introduction to Destination Marketing	3
TCA 200	Airline Reservations	3
TCA 222	Wedding Planning	3
TCA 225	Introduction to International Tourism	3
TCA 276	Introduction to Trade Show Operations	3

Computation included in TCA 188  
Human Relations included in TCA 141

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Communications (see courses this page)	3-5
HMD 101 Introduction to the Hospitality Industry	3
TCA 141 Travel and Tourism I	3
TCA 241 Travel and Tourism II	3
Complete Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	<b>Credits</b>
FAB 285 Catering Management	3
TCA 110 Introduction to the Convention Industry	3
TCA 188 Special Events Planning	3
TCA 251 Tourism and Convention Externship	3
TCA 289 Introduction to Corporate Meetings and Events	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

**DEGREE PLAN TOTAL CREDITS**.....**30-32**

**NOTE:** Each 8-week course is designed to be stand-alone. In other words, each course is independent so courses may be combined or taken separately in any order.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Veterinary Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 74

**LIMITED ENTRY**  
DEGREE CODE: VETT-AAS

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**

Veterinary Technology (VETT) prepares students with knowledge and skills necessary to provide general veterinary nursing care and technical assistance in the varied disciplines found in the practice of veterinary medicine and surgery. These include nurse anesthetist, operating room technician, radiology technician, dental hygienist, medical laboratory technician, as well as clinical and practice management. The program is recognized by the Nevada State Board of Veterinary Medical Examiners and is fully accredited by the American Veterinary Medical Association (AVMA) Committee on Veterinary Technician Education and Activities (CVTEA), 1931 N. Meacham Rd., Suite 100, Schaumburg, IL 60173, (800) 248-2862. Students that complete the program are qualified to sit for state and national licensing examinations and enter into practice as a licensed veterinary technician. The Veterinary Technology Program has entered into a unique agreement with the Western Veterinary Conference that allows educational opportunities to augment the student’s learning experience. This agreement also makes available nationally and internationally recognized Doctors of Veterinary Medicine that act as visiting instructors in many disciplines.

**STUDENT LEARNING OUTCOMES**

- Demonstrate competencies necessary to pass the national and state board examinations for veterinary technicians.
- Demonstrate entry level competency as a veterinary technician.
- Demonstrate skills and abilities to pursue managerial opportunities after obtaining sufficient clinical experience.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**

**MATHEMATICS (3 credits)**

Recommended: MATH 104B Applied Mathematics

**ENGLISH COMPOSITION (3-5 credits)**

See AAS policy p. 50 for courses

**COMMUNICATIONS (3 credits)**

Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (8 credits)**

Required: BIOL 189 and 251

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (47 CREDITS)**

VETT 101B	Introduction to Animal Health Technology	1
VETT 105B	Veterinary Medical Terminology	1
VETT 110B	Clinical Anatomy and Physiology I	4
VETT 112B	Clinical Anatomy and Physiology II	4
VETT 125B	Veterinary Office and Clinical Procedures	2
VETT 127B	Basic Animal Nursing	4
VETT 203B	Veterinary Clinical/ General Pathology	4
VETT 205B	Diagnostic Imaging	2
VETT 208B	Lab Animal Science and Exotics	2
VETT 209B	Parasitology	1
VETT 211B	Animal Nutrition	2
VETT 225B	Pharmacology and Toxicology	2
VETT 227B	Advanced Animal Nursing	4
VETT 230B	Principles of Asepsis	1
VETT 235B	Surgical, Anesthesia and Dental Procedures	4
VETT 240B	Large Animal Procedures	2
VETT 250B	Critical Care/ER	3
VETT 260B	Directed Clinical Practice I	2
VETT 265B	Directed Clinical Practice II	2

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Veterinary Technology**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 74

**LIMITED ENTRY**  
DEGREE CODE: VETT-AAS

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
See AAS English Composition p. 50	3-5
ALS 101 College Success	3
BIOL 189 Fundamentals of Life Science	4
<b>TOTAL CREDITS</b> .....	<b>10-12</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
COM 101 Oral Communication	3
BIOL 251 General Microbiology	4
PSY 101 General Psychology	3
<b>TOTAL CREDITS</b> .....	<b>10</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
MATH 104B Applied Mathematics	3
PSC 101 Introduction to American Politics <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>7</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
VETT 101B Introduction to Animal Health Technology	1
VETT 105B Veterinary Medical Terminology	1
VETT 110B Clinical Anatomy and Physiology I	4
VETT 125B Veterinary Office and Clinical Procedures	2
<b>TOTAL CREDITS</b> .....	<b>8</b>

<b>FIFTH SEMESTER</b>	<b>Credits</b>
VETT 112B Clinical Anatomy and Physiology II	4
VETT 127B Basic Animal Nursing	4
VETT 203B Veterinary Clinical/General Pathology	4
VETT 208B Lab Animal Science and Exotics	2
VETT 209B Parasitology	1
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>SIXTH SEMESTER</b>	<b>Credits</b>
VETT 205B Diagnostic Imaging	2
VETT 211B Animal Nutrition	2
VETT 227B Advanced Animal Nursing	4
VETT 230B Principles of Asepsis	1
VETT 260B Directed Clinical Practice I	2
<b>TOTAL CREDITS</b> .....	<b>11</b>

<b>SEVENTH SEMESTER</b>	<b>Credits</b>
VETT 225B Pharmacology and Toxicology	2
VETT 235B Surgical, Anesthesia and Dental Procedures	4
VETT 240B Large Animal Procedures	2
VETT 250B Critical Care/ER	3
VETT 265B Directed Clinical Practice II	2
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **74-76**

<sup>1</sup>It is highly recommended that students take ALS 101 as the Human Relations credit or take the course in order to prepare for the rigors of the VETT program.

<sup>2</sup>US/NV Constitutions can be taken in the fourth semester instead.

NOTE:

- It is highly recommended that students complete all general education requirements before applying to the VETT program.
- All VETT courses can only be taken once accepted to the VETT program and then must be taken in the order indicated.

Upon successful completion of the Veterinary Technology program and graduation from CSN, graduates will be able to apply and sit for the VTNE (national licensure exam) and state examinations as required. Successful completion of these examinations is required in order to practice in the state of Nevada as well as other states. Please note courses in the technical portion of the VETT program, with the course designation ‘VETT’, do not transfer to colleges or universities should the student wish to become a Doctor of Veterinary Medicine (DVM).



# Water/Wastewater Treatment - Wastewater Treatment

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: WWTWAS-AAS

## DESCRIPTION

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate machinery and equipment used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment. Academic skills emphasizing math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

## STUDENT LEARNING OUTCOMES

- Describe the fundamentals of water and/or wastewater treatment.
- Identify the laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 115B, 122, 123)

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

### COMMUNICATIONS (3 credits)

Required: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

ALS 101 or MGT 100B

### NATURAL SCIENCE (3 credits)

EGG 131 or ENV 101

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

PSY 101 or SOC 101 or SPAN 101B

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (38 credits)

AIT 205B	Industry Customer Service	1
WWT 101B	Wastewater Treatment I	3
WWT 102B	Wastewater Treatment II	3
WWT 103B	Environmental Laws and Regulations	3
WWT 110B	Introduction to Hazardous Materials Management	3
WWT 115B	Water/Wastewater Mathematics I	3
WWT 120B	Pump Operation and Maintenance	3
WWT 201B	Wastewater Treatment III	3
WWT 210B	Industrial Pretreatment Inspections	3
WWT 215B	Water/Wastewater Mathematics II	3
WWT 220B	Water Quality Analysis	4
WWT 225B	Wastewater Collection Systems	3
WWT 230B	Current Issues	3

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

	Credits
<b>FIRST SEMESTER</b>	
Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 50	3-5
WWT 110B Introduction to Hazardous Materials Management	3
WWT 120B Pump Operation and Maintenance	3
WWT 101B Wastewater Treatment I	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>
<b>SECOND SEMESTER</b>	
COM 115 Applied Communication	3
EGG 131 or ENV 101	3
WWT 103B Environmental Laws and Regulations	3
WWT 115B Water/Wastewater Mathematics I	3
WWT 102B Wastewater Treatment II	3
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>THIRD SEMESTER</b>	
AIT 205B Industry Customer Service	1
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>1-4</b>
<b>FOURTH SEMESTER</b>	
ALS 101 or MGT 100B	3
WWT 210B Industrial Pretreatment Inspections	3
WWT 215B Water/Wastewater Mathematics II	3
WWT 220B Water Quality Analysis	4
WWT 201B Wastewater Treatment III	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FIFTH SEMESTER</b>	
PSY 101 or SOC 101 or SPAN 101B	3
PSC 101 Introduction to American Politics	4
WWT 225B Wastewater Collection Systems	3
WWT 230B Current Issues	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-65</b>

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





Water/Wastewater Treatment - Wastewater Treatment

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: WWTWAS-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate the machinery used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment.

**STUDENT LEARNING OUTCOMES**

- Describe the fundamentals of water and/or wastewater treatment.
- Identify laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

**CORE REQUIREMENTS (28 credits)**

WWT 101B	Wastewater Treatment I	3
WWT 102B	Wastewater Treatment II	3
WWT 115B	Water/Wastewater Mathematics I	3
WWT 120B	Pump Operation and Maintenance	3
WWT 201B	Wastewater Treatment III	3
WWT 215B	Water/Wastewater Mathematics II	3
WWT 220B	Water Quality Analysis	4
WWT 225B	Wastewater Collection Systems	3
WWT 230B	Current Issues	3
<b>Choose one from the following (0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in WWT 115B

Human Relations included in WWT 230B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
WWT 101B Wastewater Treatment <sup>1</sup>	3
WWT 120B Pump Operation and Maintenance <sup>1</sup>	3
WWT 220B Water Quality Analysis <sup>2</sup>	4
<b>TOTAL CREDITS</b> .....	<b>13</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
WWT 115B Water/Wastewater Mathematics <sup>3</sup>	3
WWT 225B Wastewater Collection Systems <sup>4</sup>	3
WWT 230B Current Issues <sup>5</sup>	3
WWT 102B Wastewater Treatment II <sup>5</sup>	3
<b>TOTAL CREDITS</b> .....	<b>12</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
WWT 215B Water/Wastewater Mathematics <sup>1</sup>	3
WWT 201B Wastewater Treatment III <sup>6</sup>	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>6-9</b>

**DEGREE PLAN TOTAL CREDITS**..... **31-34**

<sup>1</sup>This course offered in the Fall only.

<sup>2</sup>This course offered in the Fall only; prereq of WWT 102B and WWT 115B.

<sup>3</sup>This course offered in the Spring only; coreq of Math 104B and prereq of WWT 101B or 105B.

<sup>4</sup>This course offered in the Spring only; prereq of WWT 215B.

<sup>5</sup>This course offered in the Spring only.

<sup>6</sup>This course offered in the Fall only; prereq of WWT 102B.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



# Water/Wastewater Treatment- Water Treatment

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: WWTWAT-AAS

## DESCRIPTION

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate machinery and equipment used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment. Academic skills emphasizing math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

## STUDENT LEARNING OUTCOMES

- Describe the fundamentals of water and/or wastewater treatment.
- Identify the laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or above (except MATH 115B, 122, 123)

### ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 50 for courses

### COMMUNICATIONS (3 credits)

Required: COM 115 Applied Communication

### HUMAN RELATIONS (3 credits)

ALS 101 or MGT 100B

### NATURAL SCIENCE (3 credits)

EGG 131 or ENV 101

### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

PSY 101 or SOC 101 or SPAN 101B

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

## SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

### CORE REQUIREMENTS (38 credits)

AIT 205B	Industry Customer Service	1
WWT 103B	Environmental Laws and Regulations	3
WWT 105B	Water Treatment Operations I	3
WWT 106B	Water Treatment Operations II	3
WWT 110B	Introduction to Hazardous Materials Management	3
WWT 115B	Water/Wastewater Mathematics I	3
WWT 120B	Pump Operation and Maintenance	3
WWT 205B	Water Distribution	3
WWT 210B	Industrial Pretreatment Inspections	3
WWT 215B	Water/Wastewater Mathematics II	3
WWT 220B	Water Quality Analysis	4
WWT 225B	Wastewater Collection Systems	3
WWT 230B	Current Issues	3

### Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

## FULL-TIME STUDENT DEGREE PLAN

Add more semesters to modify this plan to fit part-time student needs.

### FIRST SEMESTER

Complete Mathematics (see courses this page)	Credits
Complete AAS English Composition p. 50	3
WWT 110B Introduction to Hazardous Materials Management	3-5
WWT 120B Pump Operation and Maintenance	3
WWT 105B Water Treatment Operations I	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

### SECOND SEMESTER

COM 115 Applied Communication	Credits
EGG 131 or ENV 101	3
WWT 103B Environmental Laws and Regulations	3
WWT 115B Water/Wastewater Mathematics I	3
WWT 106B Water Treatment Operations II	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

### THIRD SEMESTER

AIT 205B Industry Customer Service	Credits
IS 100B or IS 101	1
<b>TOTAL CREDITS</b> .....	<b>0-3</b>
<b>TOTAL CREDITS</b> .....	<b>1-4</b>

### FOURTH SEMESTER

ALS 101 or MGT 100B	Credits
WWT 210B Industrial Pretreatment Inspections	3
WWT 215B Water/Wastewater Mathematics	3
WWT 220B Water Quality Analysis <sup>1</sup>	4
WWT 205 Water Distribution	3
<b>TOTAL CREDITS</b> .....	<b>16</b>

### FIFTH SEMESTER

PSY 101 or SOC 101 or SPAN 101B	Credits
PSC 101 Introduction to American Politics	3
WWT 225B Wastewater Collection Systems	4
WWT 230B Current Issues	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

### DEGREE PLAN TOTAL CREDITS..... 60-65

<sup>1</sup>Prerequisite WWT 102B and WWT 115B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Water/Wastewater Treatment - Water Treatment**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: WWTWAT-CT

**IMPORTANT**

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

**DESCRIPTION**

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate the machinery used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment.

**STUDENT LEARNING OUTCOMES**

- Describe the fundamentals of water and/or wastewater treatment.
- Identify laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

**CORE REQUIREMENTS (28 credits)**

WWT 105B	Water Treatment Operations I	3
WWT 106B	Water Treatment Operations II	3
WWT 115B	Water/Wastewater Mathematics I	3
WWT 120B	Pump Operation and Maintenance	3
WWT 205B	Water Distribution	3
WWT 215B	Water/Wastewater Mathematics II	3
WWT 220B	Water Quality Analysis	4
WWT 225B	Wastewater Collection Systems	3
WWT 230B	Current Issues	3
<b>Choose one from the following (0-3 credits)</b>		
IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

Computation included in WWT 115B

Human Relations included in WWT 230B

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
WWT 120B Pump Operation and Maintenance <sup>1</sup>	3
WWT 220B Water Quality Analysis <sup>2</sup>	4
WWT 105B Water Treatment Operations I1	3
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
WWT 115B Water/Wastewater Mathematics <sup>3</sup>	3
WWT 225B Wastewater Collection Systems <sup>4</sup>	3
WWT 230B Current Issues <sup>5</sup>	3
WWT 106B Water Treatment Operations II <sup>5</sup>	3
<b>TOTAL CREDITS</b> .....	<b>12</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
WWT 215B Water/Wastewater Mathematics <sup>1</sup>	3
WWT 205B Water Distribution <sup>1</sup>	3
IS 100B or IS 101	0-3
<b>TOTAL CREDITS</b> .....	<b>6-9</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>31-34</b>

<sup>1</sup>This course offered in the Fall only.

<sup>2</sup>This course offered in the Fall only; prereq of WWT 102B and WWT 115B.

<sup>3</sup>This course offered in the Spring only; coreq of Math 104B and prereq of WWT 101B or 105B.

<sup>4</sup>This course offered in the Spring only; prereq of WWT 215B.

<sup>5</sup>This course offered in the Spring only.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Welding Technology – Advanced Level Welder**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: WELDADVAAS

**DESCRIPTION**

The Associate of Applied Science – AWS Advanced Level Welder Emphasis provides students with the skills and knowledge necessary for successful employment as advanced level welders in welding and related metal working industries.

A continuation of the COA requirements, students will receive additional instruction in advanced SMAW and GTAW, pipe welding, welding codes and fabrication.

Upon completion of the AAS degree requirements, students may certify as AWS Advanced Level Welders.

**STUDENT LEARNING OUTCOMES**

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut, prepare and fabricate parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)****MATHEMATICS (3 credits)**

MATH 104B or 116

**ENGLISH COMPOSITION (3-5 credits)**

Recommended: ENG 101 Composition I

**COMMUNICATIONS (3 credits)**

Recommended: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

Recommended: ALS 101 College Success

**NATURAL SCIENCE (4 credits)**

Required: MT 102B Fundamentals of Electricity

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**

Recommended: ART 107 Design Fundamentals I (2-D)

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

Recommended: PSC 101 Introduction to American Politics

**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

IS 101	Introduction to Information Systems	3
WELD 115B	Welding Inspection and Testing Principles	3
WELD 131B	Blueprint Reading, Layout, and Sketching	3
WELD 132B	Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations	2
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4
WELD 135B	GMAW (Mig)	2
WELD 137B	FCAW (Flux Core)	2
WELD 154B	D1.1 Structural Welding Code	3
WELD 214B	Fabrication Layout	3
WELD 218B	Pipe Welding Procedures	4
WELD 240B	Advanced GTAW	4

See Degree Plan on next page.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**Welding Technology – Advanced Level Welder**

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: WELDADVAAS

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete Mathematics (see courses previous page - Recommended: MATH 104B)	3
ALS 101 College Success	3
WELD 115B Welding Inspection and Testing Principles	3
WELD 135B GMAW (Mig)	2
WELD 137B FCAW (Flux Core)	2
<b>TOTAL CREDITS</b> .....	<b>13</b>
<b>SECOND SEMESTER</b>	<b>Credits</b>
Complete English Composition (see courses previous page - Recommended: ENG 101)	3-5
MT 102B Fundamentals of Electricity	4
WELD 131B Blueprint Reading, Layout, and Sketching	3
WELD 132B Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations	2
WELD 133B SMAW (Stick)	4
<b>TOTAL CREDITS</b> .....	<b>16-18</b>
<b>THIRD SEMESTER</b>	<b>Credits</b>
COM 115 Applied Communication	3
ART 107 Design Fundamentals I (2-D)	3
IS 101 Introduction to Information Systems	3
WELD 134B GTAW (Tig)	4
WELD 154B DI.1 Structural Welding Code	3
<b>TOTAL CREDITS</b> .....	<b>16</b>
<b>FOURTH SEMESTER</b>	<b>Credits</b>
PSC 101 Introduction to American Politics	4
WELD 214B Fabrication Layout	3
WELD 218B Pipe Welding Procedures	4
WELD 240B Advanced GTAW	4
<b>TOTAL CREDITS</b> .....	<b>15</b>
<b>DEGREE PLAN TOTAL CREDITS</b> .....	<b>60-62</b>



# Welding Technology - Entry Level Welder

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: WELDENT-CT

## IMPORTANT

Important information about the educational debt, earnings, and completion rates of students who attended this program are located at [www.csn.edu/gainful-employment](http://www.csn.edu/gainful-employment).

## DESCRIPTION

The Certificate of Achievement – AWS Entry Level Welder emphasis provides students with the skills and knowledge necessary for successful entry level employment in welding and related metal working industries.

Extensive classroom and laboratory instruction focuses on the most widely used welding processes in industry including SMAW (Stick), GMAW (Mig), FCAW (Flux core) and GTAW (Tig). Additionally, students will receive instruction in Oxy/Fuel, Plasma and Carbon Arc-Air cutting processes and blueprint reading and interpretation.

Upon completion of the Certificate of Achievement requirements, students may certify as AWS Entry Level Welders.

## STUDENT LEARNING OUTCOMES

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut and prepare parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

### MATHEMATICS (3 credits)

MATH 104B or MATH 116 or above (except 122, 123)

### COMMUNICATIONS (3-5 credits)

BUS 108; COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

## SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)

### CORE REQUIREMENTS (24 credits)

ALS 101	College Success	3
MT 102B	Fundamentals of Electricity	4
WELD 131B	Blueprint Reading, Layout, and Sketching	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
WELD 133B	SMAW (Stick)	4
WELD 134B	GTAW (Tig)	4
WELD 135B	GMAW (Mig)	2
WELD 137B	FCAW (Flux Core)	2

### Digital Literacy Option (0-3 credits)

IS100B	Core Computing Competency	0
IS101	Introduction to Information Systems	3

Computation included in MATH 104B or MATH 116 or above (except 122, 123)

Human Relations included in ALS 101

## FULL-TIME STUDENT DEGREE PLAN

*Add more semesters to modify this plan to fit part-time student needs.*

### FIRST SEMESTER

ALS 101 College Success	Credits	3
MT 102 Fundamentals of Electricity		4
<b>TOTAL CREDITS</b> .....		<b>7</b>

### SECOND SEMESTER

Complete Mathematics (see courses this page - Recommended MATH 104B)	Credits	3
WELD 131B Blueprint Reading, Layout and Sketching		3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations		2
<b>TOTAL CREDITS</b> .....		<b>8</b>

### THIRD SEMESTER

Complete Communications (see courses this page - Recommended: COM 115)	Credits	3-5
WELD 133B SMAW (Stick)		4
WELD 135B GMAW (Mig)		2
<b>TOTAL CREDITS</b> .....		<b>9-11</b>

### FOURTH SEMESTER

IS 100B or IS 101	Credits	0-3
WELD 134B GTAW (Tig)		4
WELD 137B FCAW (Flux Core)		2
<b>TOTAL CREDITS</b> .....		<b>6-9</b>

**DEGREE PLAN TOTAL CREDITS**.....**30-33**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.





## Women's Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: WMST-AA

### DESCRIPTION

Gender shapes human consciousness and determines the social, economic, political, and cultural organization of human society throughout history. Students who enter into women's studies will thus be exposed to the historical and contemporary issues of gender. We are committed to providing a setting for students to develop critical thinking and writing skills, the ability to analyze material, the use of abstract thinking, and oral presentations. These are skills that will serve the students well in their personal professional and social lives.

### STUDENT LEARNING OUTCOMES

- Explain and identify the contributions that women have made throughout history in all aspects of life and the sources of their omission from traditional approaches to scholarship and traditional centers of power.
- Explain contemporary issues concerning gender and sexual orientation in culture and society, global and local activism, and structural and cultural analyses.
- Summarize knowledge of feminist theories, multidisciplinary perspectives, feminist research methodologies, and ethics.
- Cultivate abstract thinking, analyze situations and texts, organize information and analyses to demonstrate good communication skills.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

#### MATHEMATICS (3 credits)

Recommended: MATH 120 Fundamentals of College Mathematics

#### ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 49 for courses

#### LITERATURE (3 credits)

ENG 231 or 232

#### ANALYTICAL REASONING (3 credits)

Required: PHIL 102 Reasoning and Critical Thinking

#### NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 50 for courses

#### FINE ARTS (3 credits)

See AA/AB/AS policy p. 50 for courses

#### HUMANITIES (6 credits)

COM 101 **and** one course from the following; ENG 223; HIST; PHIL 101, 119, 129, 201, 202, 203; RST

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

Recommended: PSC 101 Introduction to American Politics

#### VALUES AND DIVERSITY

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing ENG 231 or 232 as required for the "Literature" requirement or WMST 101 or 113 as required for the "Core" will also cover the "Values and Diversity" requirement.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### CORE REQUIREMENTS (8-9 credits)

WMST 101	Introduction to Women's Studies	3
WMST 113	Gender, Race, and Class	3
WMST 295	Special Topics	1-3

#### ELECTIVES (choose 9 credits)

Any WMST course not used in the Core Requirements  
*See a counselor to select courses*

#### SOCIAL SCIENCE

(Nine credits must be from three different disciplines):  
ANTH (except 102); CRJ 104; ECON; PSC 200 or above; PSY; SOC

**See Degree Plan on next page.**

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



## Women's Studies

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: WMST-AA

**FULL-TIME STUDENT DEGREE PLAN***Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (no lab) p. 50	3
Complete AA/AB/AS Fine Arts p. 50	3
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AS/AB Natural Science <sup>1</sup> (with lab) p. 50	3-4
PSC 101 Introduction to American Politics	4
WMST 101 Introduction to Women's Studies <sup>2</sup>	3
Complete Social Science (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>16-17</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
ENG 231 or 232 <sup>2</sup>	3
COM 101 Oral Communication	3
WMST 113 Gender, Race and Class <sup>2</sup>	3
Complete Electives <sup>3</sup> (see courses previous page)	3
Complete Social Science (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>15</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete Humanities <sup>4</sup> (see courses previous page)	3
WMST 295 Special Topics	2-3
Complete Electives <sup>3</sup> (see courses this page)	6
Complete Social Science (see courses previous page)	3
<b>TOTAL CREDITS</b> .....	<b>14-15</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**<sup>1</sup>Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.<sup>2</sup>Course also covers the Values and Diversity general education requirement.<sup>3</sup>Must be a WMST course NOT already used to satisfy other areas of this degree.<sup>4</sup>Use the course list that follows "COM 101 and one course from the following"

**World Languages**

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: WRLANG-AA

**STUDENT LEARNING OUTCOMES**

- Demonstrate an ability to converse at an intermediate level of fluency in the language of concentration.
- Acquire a passive reading vocabulary equivalent to that necessary for success in 300-level courses.
- Demonstrate knowledge of the culture and context of the language of concentration.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (35 CREDITS)**

**MATHEMATICS (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

Required: PHIL 102 Reasoning and Critical Thinking

**NATURAL SCIENCE (7 credits)**

See AA/AB/AS policy p. 50 for courses

**SOCIAL SCIENCE (9 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See p. 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**CORE REQUIREMENTS (14 credits)**

World Languages 111 or above 14  
 Required completion in a single World Language (ARA; CHI; FREN; GER; ITAL; JPN; KOR; PORT; RUS; and SPAN) of 111 (or JPN 120 and JPN 121 with approval); 112; 211 (or 226 for SPAN only); 212 (or 227 for SPAN only); or departmentally approved equivalent course.

**HUMANITIES 6**

COM 101; and HIST or PHIL

**FINE ARTS 6**

ART; DAN 101; MUS; THTR

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

<b>FIRST SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Mathematics p. 49	3
ENG 100 or 101 or 113	3-5
Complete AA/AB/AS Social Science p. 50	3
World Languages 111 or above <sup>1</sup>	4
Complete Humanities (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>SECOND SEMESTER</b>	<b>Credits</b>
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete AA/AB/AS Social Science p. 50	3
World Languages 111 or above <sup>1</sup>	4
<b>TOTAL CREDITS</b> .....	<b>16</b>

<b>THIRD SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Social Science p. 50	3
Complete AA/AB/AS US/Nevada Constitutions <sup>2</sup> p. 50	4-6
World Languages 111 or above <sup>1</sup>	3
Complete Humanities (see courses this page)	3
Complete Fine Arts (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

<b>FOURTH SEMESTER</b>	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete Natural Science (With Lab) p. 50	4
World Languages 111 or above <sup>1</sup>	3
Complete Fine Arts (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>13</b>

**DEGREE PLAN TOTAL CREDITS**..... **61-65**

<sup>1</sup>Courses must be in a single language.

<sup>2</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**DESCRIPTION**

The Associate of Arts Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. Students who are transferring outside the NSHE are advised to select courses that meet the requirements of the institution to which they intend to transfer. The AA allows for a disciplinary emphasis and leads to further, specialized study at a four-year college or university.

**STUDENT LEARNING OUTCOMES**

- Produce oral and written communication befitting the context and audience.
- Utilize mathematical, symbolic, logical, graphical, geometric, or statistical analysis for the interpretation and solution of problems.
- Identify and analyze a problem, generate and consider potential solutions, and defend the best solution based on evidence and reasoning.
- Synthesize information from a variety of academic disciplines.
- Examine the variations in human culture and incorporate perspectives of diversity.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 120 or 123 or above; or STAT 152

**ENGLISH COMPOSITION (6-8 credits)**

See AA/AB/AS policy p. 49 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 49 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 50 for courses

**NATURAL SCIENCE (6-7 credits)**

See AA/AB/AS policy p. 50 for courses

**HUMANITIES (6 credits)**

COM 101; **and** one course from the following: ENG 223 or above; HIST; World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 50 for courses

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

See AA/AB/AS policy p. 50 for courses

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See p. 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)****SOCIAL SCIENCE ELECTIVES (choose 9 credits)**

(Select one course from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113

**ELECTIVES (choose 17 credits)**

See a counselor to select 17 transferable credits

**FULL-TIME STUDENT DEGREE PLAN**

*Add more semesters to modify this plan to fit part-time student needs.*

**FIRST SEMESTER**

	<b>Credits</b>
Complete Mathematics (see courses this page)	3
ENG 100 or 101 or 113	3-5
COM 101 Oral Communication	3
Complete Social Science Electives (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER**

	<b>Credits</b>
ENG 102 or 114	3
Complete AA/AB/AS Analytical Reasoning p. 50	3
Complete AA/AB/AS Natural Science (No Lab) p. 50	3
Complete AA/AB/AS US/Nevada Constitutions <sup>1</sup> p. 50	4-6
Complete Social Science Electives (see courses this page)	3
<b>TOTAL CREDITS</b> .....	<b>16-18</b>

**THIRD SEMESTER**

	<b>Credits</b>
Complete AA/AB/AS Literature p. 49	3
Complete AA/AB/AS Natural Science <sup>2</sup> (With Lab) p. 50	3-4
Complete Electives (see a counselor to select courses)	9
<b>TOTAL CREDITS</b> .....	<b>15-16</b>

**FOURTH SEMESTER**

	<b>Credits</b>
Complete Humanities <sup>3</sup> (see courses this page)	3
Complete AA/AB/AS Fine Arts p. 50	3
Complete Electives (see a counselor to select courses)	8
<b>TOTAL CREDITS</b> .....	<b>14</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-65**

<sup>1</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and 102 or 217 in the 4th semester.

<sup>2</sup>Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

<sup>3</sup>Under the "Humanities" heading on the General Education Requirements side, select from the choices that follow the sentence fragment "COM 101 and..."

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



**DESCRIPTION**

The Associate of General Studies degree is designed for students who, while seeking advanced learning in a broad variety of disciplines, do not wish to concentrate in any one particular field of study. The numerous elective credits in the degree provide students with an excellent opportunity to pursue learning in traditional academic disciplines or occupational programs. While some courses may transfer, the AGS is not intended as a transfer degree within the NSHE.

STUDENTS WISHING TO COMPLETE THIS DEGREE MUST CONSULT AN ADVISOR/SUCCESS COACH IN ORDER TO PLAN A COURSE OF STUDY.

**STUDENT LEARNING OUTCOMES**

- Produce oral and written communication befitting the context and audience.
- Utilize mathematical, symbolic, logical, graphical, geometric, or statistical analysis for the interpretation and solution of problems.
- Identify and analyze a problem, generate and consider potential solutions, and defend the best solution based on evidence and reasoning.
- Synthesize information from a variety of academic disciplines.
- Examine the variations in human culture and incorporate perspectives of diversity.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 104B or above

**COMMUNICATIONS (6-8 credits)**

ENG 100 or 101 or 113; **and** one course from the following: BUS 107, 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105

**HUMANITIES (3 credits)**

AM; COM; ENG 223 or above; HIST; World Languages; PHIL; RST

**FINE ARTS (3 credits)**

ART; DAN 101; MUS; THTR

**NATURAL SCIENCE (3 credits)**

AST; BIOL; CHEM; EGG 131, 132; ENV; GEOG 103, 104, 116, 117; GEOL; PHYS

**SOCIAL SCIENCE (3 credits)**

ANTH; CRJ 104; ECON; GEOG 106; PSC; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 **and** HIST 102; or HIST 101 **and** HIST 217

**VALUES AND DIVERSITY**

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See p. 50 for list of choices.

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)**

**ELECTIVES (choose 35 credits)**

See an advisor/success coach to select courses.

**FULL-TIME STUDENT DEGREE PLAN**

Add more semesters to modify this plan to fit part-time student needs.

**FIRST SEMESTER** **Credits**

Complete Mathematics (see courses this page)	3
ENG 100 or 101 or 113	3-5
Complete Electives <sup>1</sup> (see courses this page)	9
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**SECOND SEMESTER** **Credits**

Complete Communications <sup>2</sup> (see courses this page)	3
Complete Fine Arts (see courses this page)	3
Complete Electives <sup>1</sup> (see courses this page)	9
<b>TOTAL CREDITS</b> .....	<b>15</b>

**THIRD SEMESTER** **Credits**

Complete Humanities (see courses this page)	3
Complete Social Science (see courses this page)	3
Complete Natural Science (see courses this page)	3
Complete Electives <sup>1</sup> (see courses this page)	6
<b>TOTAL CREDITS</b> .....	<b>15</b>

**FOURTH SEMESTER** **Credits**

Complete US/Nevada Constitutions <sup>3</sup> (see courses this page)	4-6
Complete Electives <sup>1</sup> (see courses this page)	11
<b>TOTAL CREDITS</b> .....	<b>15-17</b>

**DEGREE PLAN TOTAL CREDITS**..... **60-64**

<sup>1</sup>It is recommended students complete ALS 101 and READ 135 as part of their Special Program Elective Requirements.

<sup>2</sup>Under the “Communications” heading on the General Education Requirements side, select from the choices that follow the sentence fragment, “and one of the following...”

<sup>3</sup>PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the 3rd semester and HIST 102 or 217 in the 4th semester.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

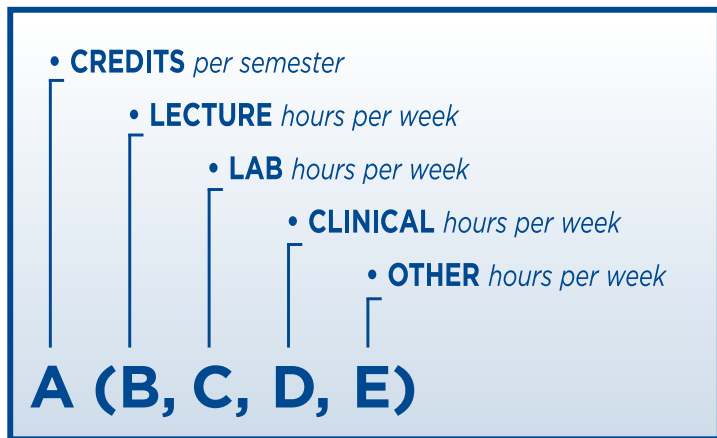


**COURSE DESCRIPTIONS**

The following course descriptions are intended to briefly describe the nature of each of the courses. For more complete information, departments or faculty can provide specific course syllabuses.

The numbers in the right side of each description define the credits and average weekly contact hours the student will spend in formal classes during a 16 week semester. Classes scheduled for other than a 16 week semester will have the contact hours adjusted accordingly.

- A** – defines the number of semester credits
- B** – average number of lecture hours per week
- C** – average number of laboratory hours per week
- D** – average number of clinical hours per week
- E** – average number of other formal instructional hours per week



In addition to these hours, students are expected to complete homework assignments on their own time. These assignments may include library research, computer utilization, field trips, cultural performances, and other instructional activities.

**EXAMPLE**

<b>ENG 101</b>	<b>Composition I</b>	<b>3 (3,0,0,0)</b>
	<b>3</b> credits	
	<b>3</b> lecture hours	
	<b>0</b> laboratory hours	
	<b>0</b> clinical hours	
	<b>0</b> other hours	

Architecture-Design

**AAD 180 Fundamentals of Design I 3 (2,2,0,0)**

Introduction to the principles and theories of design and design methodology in the “making” of representations of form and space.

**AAD 182 Fundamentals of Design II 3 (2,2,0,0)**

Continuation of AAD 180, with emphasis on spatial sequence, tectonics, and design precedents.

Prerequisite: AAD 180.

Architecture

**AAE 100 Introduction to Architecture 3 (3,0,0,0)**

Survey of architecture. Includes historical examples and the theoretical, social, technical, and environmental forces that shape this profession. Especially for majors and non-majors who wish to explore this field as a career choice.

Automotive Technology, Collision and Repair

**ABDY 101B Collision Repair Fundamentals and Estimating 4 (1,6,0,0)**

This lecture/lab course includes an overview of the collision industry, instruction in safe shop procedures, measurement, vehicle disassembly, and estimating software and techniques. Successful students will earn I-CAR certification points.

**ABDY 110B Paint and Refinish I 4 (1,6,0,0)**

This course provides instruction in all phases of metal preparation: sanding, masking, metal treatment, priming, as well as spraying basecoat and clear coat and the proper use and maintenance of paint guns.

**ABDY 120B Non-Structural Welding 4 (1,6,0,0)**

This course prepares the student in general welding safety, Plasma Arc Cutting, Oxy and Acetylene welding, cutting, heating and GMAW MIG welding techniques. Students will be prepared to take the I-CAR hands on steel welding test.

**ABDY 122B Non-Structural Body and Panel and Trim 4 (1,6,0,0)**

This course covers the proper techniques for removal, installation, adjustment, and alignment of body hardware, body trim, and body sheet metal parts (using basic hand tools).

**ABDY 150B Structural I 4 (1,6,0,0)**

Introduction to specialized frame and unibody measuring, anchoring, and pulling equipment. The student will perform welding techniques and use corrosion preventive materials to restore the vehicle as closely as possible to pre-collision condition.

Prerequisite: ABDY 120B or Instructor approval.





**ABDY 152B Structural II 4 (1,6,0,0)**

This course prepares the student in the repair of moderate to heavily damaged vehicles using specialized frame and unibody measuring, anchoring, and pulling equipment. Continued instruction in welding techniques and corrosion preventive materials to restore the vehicle as closely as possible to pre-collision condition is included.

Prerequisite: ABDY 150B or Instructor approval.

**ABDY 180B Non-Structural Advanced Body Panel 4 (1,6,0,0)**

This course covers the identity of auto body parts and their structural relationships. Removal, installation, adjustment, and alignment of body hardware, body trim, and body sheet metal parts (using basic hand tools) are skills that are mastered in this course.

Prerequisite: ABDY 122B or Instructor approval.

**ABDY 220B Paint and Refinish II 4 (1,6,0,0)**

This course covers metal preparation, sanding, masking, metal treatment, and priming. Spraying of basecoat and clear coat, color matching, blending, and the proper care of a paint gun are also included. Students will learn blending, color adjusting and tinting.

Prerequisite: ABDY 110B or Instructor approval.

**Air Conditioning Technology****AC 100B Technician Certification Review 0.5 (0.5,0,0,0)**

A lecture course to prepare students for certification exam, devoted to all aspects of EPA regulatory requirements under Section 608 of the Clean Air Act.

**AC 101B Introduction to HVAC and Refrigeration 3 (2,3,0,0)**

This is an introduction course covering the mechanical and electrical functions of a HVAC system and the basic refrigeration cycle. This course will prepare students for the EPA 608 certification.

**AC 102B Introduction to HVAC Electrical Theory and Application 5 (4,2,0,0)**

This course covers electrical safety, basic electrical math, elementary circuit diagram reading and drawing, and motor theory. Labs cover: assembly and wiring techniques, and the use of electrical meters.

**AC 103B Introduction to HVAC Mechanical Theory and Application 5 (4,2,0,0)**

This course covers mechanical and electrical safety, basic mechanical math and physics, the refrigeration cycle, system components, enthalpy, and psychrometrics. Labs cover: recovery, evacuation, leak testing, charging, and system measurements.

**AC 106B Residential Gas Heating 5 (4,2,0,0)**

Types of gas furnaces, troubleshooting, function of controls, repair of mechanical controls, combustion efficiency tests, piping techniques, proper ventilation and combustion will be covered.

Prerequisite: AC 102B and 103B.

**AC 110B Intermediate HVAC Electrical Theory and Application 5 (4,2,0,0)**

This course covers intermediate level electrical diagram drawing and interpretation, enthalpy and psychrometrics, and specialized system components for resistance heat HVAC. Labs cover: wiring of various control circuits, and system measurements.

Prerequisite: AC 102B and 103B; and MATH 104B or above (except MATH 122 and 123).

**AC 111B Heat Pumps 5 (4,2,0,0)**

This course covers heat pumps and their operation. It will teach various defrost methods including time temperature, demand, air switch and other defrost controls. Charging methods which include superheat, weigh-in and dial-a-charge. The course will also include compressor change out methods and advance wiring. C.O.P., E.E.R., SEER rating and design points of heat pumps.

Prerequisite: AC 110B.

**AC 114B Heat Load Calculations 5 (4,2,0,0)**

The course will teach heat gain and loss using the J-Manual and worksheets. Students will be taught to do calculations on micro-computers. Also included in this course are the factors affecting system design and design procedures using Manual-D.

Prerequisite: MATH 104B or 116 or above (except MATH 122, 123).

**AC 115B Troubleshooting 5 (4,2,0,0)**

This course will teach recommended service and diagnosis procedures for air conditioning systems. This will include general troubleshooting procedures for both mechanical and electrical systems.

Prerequisite: AC 106B and 110B; or instructor approval..

**AC 116B Copper Fundamentals 1 (1,0,0,0)**

Silver braising, Oxy-Acetylene equipment, use of copper tubing, swagging, flaring, bending, and proper cutting techniques in air conditioning applications will be covered.

**AC 119B Professionals in Customer Service 1.5 (1.5,0,0,0)**

This course introduces a methodical approach to problem resolution to service professionals (dispatchers, technicians, owners). It is also designed to contain, qualify, and correct various problems with good and bad outcomes. This course instructs students to focus on their communication skills prior to using technical expertise.



**AC 120B Air Conditioning Duct Work Fabrication 3 (2,2,0,0)**

This course covers basic duct work fabrication, as it applies to the Air Conditioning industry. Areas covered include cutting, computing size requirements, plenums and straight fittings.

**AC 200B Commercial Refrigeration I 5 (4,2,0,0)**

An introduction to commercial refrigeration. Deals with system components, mechanical and electrical controls, random and planned defrost, various accessories, application and types of refrigeration systems and troubleshooting basic commercial systems.

Prerequisite: AC 110B; and either BUS 108 or COM 101 or 102 or 115 or 215 or ENG 102 or 114 or 205 or JOUR 102 or THTR 105.

**AC 201B HVAC Automatic Controls 3 (2,2,0,0)**

This course presents basic control theory of HVAC mechanical systems to maximize their operating efficiency in commercial and industrial applications. Topics include Direct Digital Controls (DDC), electric, pneumatic and electronic components, control applications including microprocessors, and energy management.

Prerequisite: AC 110B.

**AC 202B Commercial Refrigeration II 5 (4,2,0,0)**

This course covers sequence of operation, application, troubleshooting, repair, cleaning, and preventive maintenance techniques of various types of ice making equipment including flaked, cubed, and crushed ice machines.

Prerequisite: AC 200B

**AC 210B Boiler Operation and Maintenance 5 (4,2,0,0)**

This course covers operations, safety, water treatment, control devices used with hot water boilers, low pressure boilers, and power boiler systems.

Prerequisite: AC 106B

**AC 211 Transport Refrigeration 2 (1,2,0,0)**

This course covers maintenance, diagnosis, and repair of trailer mounted refrigeration systems. Proper refrigerant handling, EPA regulations and certifications are covered and students will be prepared for any required certification processes.

Prerequisite: DT 165 or Instructor approval.

**AC 212B Equipment Cooling 5 (4,2,0,0)**

An advanced course that prepares students to analyze different requirements and needs for maintaining exact temperature and humidification requirements of critical systems and process cooling systems used in data processing plants; hospitals; surgical centers; manufacturing facilities; and power distribution equipment. Topics include: system identification, controls used for process cooling equipment, humidification, ultraviolet cleaning, and filtration of air and water.

Prerequisite: AC 110B.

**AC 220B Chiller Operations and Maintenance 5 (4,2,0,0)**

This course prepares students for all necessary operations and prevention maintenance procedures for employment in central plant operations for high and low pressure chillers. Subjects to include: operation, safety, controls, pumps, maintenance, purge units and cooling towers.

Prerequisite: AC 110B

**AC 221B Gas Heat Pump Technology I 5 (4,2,0,0)**

The student will learn the basics of gas heat pumps. Included will be an introduction to the various products, controls, and equipment. Basic operational theory and application will be explored as well as an introduction to installations. R-410a, electrical and mechanical safety will also be covered, designed to give the student a good overview of this technology.

Prerequisite: AC 111B.

**AC 295B Internship HVAC Career 1-16 (0,0,0,15-90)**

This course is designed to provide practical experience applying the HVAC (Heating, Ventilation and Air Conditioning) theory and techniques gained in other CSN HVAC courses through on-the-job experience while working alongside experienced HVAC technicians. The faculty advisor will meet with the student and professional company official weekly to evaluate designated components of the internships and provide guidance.

**Accounting****ACC 105 Taxation for Individuals 3 (3,0,0,0)**

Development of the individual taxpayer's taxable income through an analysis of income, exemptions, deductions and credits.

**ACC 135B Bookkeeping I 3 (3,0,0,0)**

Introduction to the basic principles of bookkeeping and accounting, theory of debit and credit, the bookkeeping cycle, journals, ledgers, bank reconciliations and payroll.

**ACC 201 Financial Accounting 3 (3,0,0,0)**

Basic accounting techniques with emphasis on the accounting cycle, analysis of financial statements, payables and receivables, plant assets, inventories and internal controls for cash.

**ACC 202 Managerial Accounting 3 (3,0,0,0)**

Accounting methods and techniques utilized by corporations, cost systems, budgeting, and the utilization of accounting data for planning and control.

Prerequisite: ACC 201.

**ACC 203 Intermediate Accounting I 3 (3,0,0,0)**

Accounting for assets and liabilities, concepts and techniques concerning preparation and analysis of the balance sheet, essentials of interest, annuities and present value.

Prerequisite: ACC 202.



**ACC 204 Intermediate Accounting II 3 (3,0,0,0)**

Accounting for stockholders' equity, statement of cash flows, statement analysis, pensions and leases.

Prerequisite: ACC 203.

**ACC 205 Cost Accounting 3 (3,0,0,0)**

Cost concepts and decision making, break even techniques, budgets and management analysis.

Prerequisite: ACC 201.

**ACC 210B IRS Computerized Tax Preparation Program 3 (3,0,0,0)**

Hands-on experience preparing computerized individual income tax returns utilizing the I.R.S. Electronic Filing System.

Prerequisite: ACC 105.

**ACC 220 Microcomputer Accounting Systems 3 (3,0,0,0)**

Develop skills in the use of computerized accounting. Interact with on-line realistic computerized accounting systems. Primary objective will be to focus on an applications approach using actual business case studies.

Prerequisite: ACC 201.

**ACC 222B Excel for Accounting 3 (3,0,0,0)**

Application of spreadsheet functions using the most popular spreadsheet program, Excel. Techniques covered will be creating and printing a worksheet, working with files, setting up data bases, and enhancing accounting information with the use of graphs and macros.

Prerequisite: ACC 201.

**ACC 223B Introduction to QuickBooks 3 (3,0,0,0)**

Computerized Accounting with QuickBooks is designed to introduce students to the QuickBooks accounting program. The student will receive hands-on training in the use of QuickBooks using fictitious case studies.

Prerequisite: ACC 201 or Instructor approval.

**ACC 295B Work Experience I 3 (0,0,0,15)**

Cooperative Education course designed to provide the student with on-the-job supervised educationally directed work experience with the accounting program. Student must work a minimum average of 15 hours per week for a total of 225 hours to earn practicum work experience credit. Grade will be given upon verification of employment.

**Architectural Design Technology****ADT 100B Introduction to Drafting Theory 3 (2,2,0,0)**

An introduction to manual drafting theory as utilized in fields of architecture, interior design and graphic arts. Geometric construction, orthographic projection, elevations and isometric drawings are included. Open lab will be required.

**ADT 103B Urban Planning 3 (3,0,0,0)**

Introduction to the forces shaping urban development, to include: history and determinants of influence, nature of urban form, comprehensive planning and implementation, zoning, general terms relating to development, State statutes, and local land use controls.

Prerequisite: ENG 100 or 101 or 107 or 113.

**ADT 107B Architectural Residential Codes 2 (2,0,0,0)**

The main emphasis of this course will be placed on the Residential Building Code. Students will also study portions of the Residential Electrical, Mechanical, Plumbing and Energy Conservation Codes.

**ADT 114B History of the Built Environment 3 (3,0,0,0)**

This course will discuss the history of architecture and city design in the western and the non-western civilization. The time periods to be covered will be from classical Greek, Hellenistic and Roman, through the Romanesque period, including the events and architecture of non-western civilization happening in the same time frame. The influences these architecture and design philosophies have had on the shaping of civilization will also be discussed.

**ADT 201B Introduction to Building Information Modeling 3 (2,2,0,0)**

This course introduces students to building information modeling by providing them with the essential tools and concepts for using Autodesk Revit. Students will develop a project from conceptual design to construction documents in a hands-on, scenario-based learning environment.

**ADT 202B Intermediate Building Information Modeling 3 (2,2,0,0)**

This course covers a wide range of intermediate level topics in Autodesk Revit, continuing to build on the concepts introduced in the Introduction to Revit course.

Prerequisite: ADT 201B.



**ADT 205B Architectural Environmental Control Systems 3 (3,0,0,0)**

This course will help students comprehend the principles of design relating to the creation of habitats that efficiently meet the needs of the intended occupant. Content will include general systems terminology and principles and green building construction.

Prerequisite: ADT 107B and GEOG 103.

**ADT 210B Residential Structural Technology 3 (2,2,0,0)**

This course will help students to apply basic structural principles to problems encountered in the design and construction of residential and light commercial structures not exceeding two stories in height.

Prerequisite: EGG 131 and 131L; or PHYS 151.

**ADT 280B Architectural Residential Design 3 (2,2,0,0)**

Emphasis will be placed on the conceptual process of designing a residential project. Students will present their final project to a jury of professionals.

Prerequisite: ADT 100B and 107B; and CONS 120B; and AAD 182.

**ADT 282B Architectural Residential Design II 3 (2,2,0,0)**

A continuation of ADT 280B. Students will develop comprehensive design solutions to challenging residential design briefs.

Prerequisite: ADT 280B.

**Air Force ROTC****AES 110 The Foundations of the United States Air Force I 1 (1,0,0,0)**

A survey course designed to introduce AFROTC cadets and prospective Air Force officers to the Air Force culture. Course describes the heritage and structure of the United States Air Force and the opportunities available to the Air Force corps.

**AES 111 AFROTC Leadership Lab I-A 2 (0,4,0,0)**

A progression of experiences designed to develop leadership ability and awareness of the Air Force lifestyle with emphasis on: Air Force customs and courtesies; drill and ceremonies, physical fitness, the Air Force officer's environment and culture and opportunities available to commissioned officers. Graded Pass/Fail.

Corequisite: AES 110 or equivalent.

**AES 120 The Foundations of the United States Air Force II 1 (1,0,0,0)**

Survey course designed to introduce AFROTC cadets to the leadership aspects of being an Air Force officer and the environment in which the Air Force functions. Course emphasizes the Air Force's core values and other unique characteristics of serving in the United States Air Force.

Prerequisite: AES 110 or equivalent.

**AES 121 AFROTC Leadership Lab I-B 2 (0,4,0,0)**

A progression of experiences designed to develop leadership ability and awareness of the Air Force lifestyle with emphasis on: Air Force customs and courtesies; drill and ceremonies, physical fitness, the Air Force officer's environment and culture and opportunities available to commissioned officers. Graded Pass/Fail.

Corequisite: AES 120 or equivalent.

**AES 230 The Evolution of USAF Air and Space Power I 1 (1,0,0,0)**

Survey course designed to trace the development of the U.S. Air Force air and space power through a historical prism. Begins with the study of early flight and concludes with the Korean conflict. Special emphasis is placed on the evolving nature of Air Force capabilities, functions and doctrine

**AES 231 AFROTC Leadership Lab II-A 2 (0,4,0,0)**

An in-depth progression of experiences developing leadership ability and awareness of the Air Force lifestyle. Focus is on continued military training related to uniform wear, military customs and courtesies, and military ceremonies. Graded Pass/Fail.

Corequisite: AES 230 or equivalent.

**AES 240 The Evolution of USAF Air and Space Power II 1 (1,0,0,0)**

Survey course to trace the development of U.S. Air Force air and space power through a historical prism. The course begins with the study of the Vietnam War and concludes with the second war against Iraq. Emphasis is placed on the evolving nature of Air Force capabilities, functions and doctrine.

Prerequisite: AES 230 or equivalent.

**AES 241 AFROTC Leadership Lab II-B 2 (0,4,0,0)**

An in-depth progression of experiences developing leadership ability and awareness of the Air Force lifestyle. Focus is on continued military training related to uniform wear, military customs and courtesies, and military ceremonies. AES 241 is required for all cadets applying to attend Field Training. Graded Pass/Fail.

Corequisite: AES 240 or equivalent.





## Applied Industrial Technology

### **AIT 205B Industry Customer Service 1 (1,0,0,0)**

This course introduces a methodical approach to problem resolution to industry professionals and is designed to contain, qualify, and correct various problems. Students will learn to focus on their communication skills prior to using technical expertise. Graded Pass/Fail.

## Academic and Life Success

### **ALS 101 College Success 3 (3,0,0,0)**

Learn strategies for mastering academic and life success. Course topics include change, goal setting, money, time/priority management; test preparation, note-taking, memory techniques; relationships, communication, listening, wellness, diversity and personal responsibility.

## American Sign Language

### **AM 145 American Sign Language I 4 (4,0,0,0)**

Designed mainly to introduce ASL and to focus on the development of basic conversational skills, emphasizing receptive skills.

### **AM 146 American Sign Language II 4 (4,0,0,0)**

The course continues to stress the development of basic conversational skills with emphasis on expanding vocabulary and expressive skills.

Prerequisite: AM 145 or Instructor approval.

### **AM 147 American Sign Language III 4 (4,0,0,0)**

This course promotes the shifting from comprehension to production of ASL, to bring one's current ASL fluency to a point of self-generated ASL.

Prerequisite: AM 146 or Instructor approval.

### **AM 148 American Sign Language IV 4 (4,0,0,0)**

This course encourages the student to expand his or her command of discourse in ASL on various everyday topics.

Prerequisite: AM 147 or Instructor approval.

### **AM 149 American Sign Language V 4 (4,0,0,0)**

A course intended to encourage majors in Deaf Studies to further develop their conversational ASL abilities, particularly in the area of self expression.

Prerequisite: AM 148 or Instructor approval.

### **AM 151 Fingerspelling I 1 (1,0,0,0)**

This course is designed to develop basic skills in receptive and expressive fingerspelling.

Corequisite: AM 147 or Instructor approval

### **AM 152 Fingerspelling II 1 (1,0,0,0)**

This course is designed to improve receptive and expressive fingerspelling skills to intermediate/advanced levels.

Prerequisite: AM 147 or Instructor approval

### **AM 156 A Survey of Deafness 1 (1,0,0,0)**

This survey course provides students an overview of deafness including such topics as: career options, deaf culture, language, communication modes, adaptive equipment and causes of deafness.

### **AM 205 Introduction to Interpreting 4 (4,0,0,0)**

An introduction and overview of the profession of sign language interpretation, including standards of practice, Code of Ethics for Interpreters, professionalism, business practices and assessment skills.

Prerequisite: AM 145-149; and 151 and 152; or Instructor approval.

### **AM 206 Consecutive Interpreting 4 (2,4,0,0)**

This skills development course focuses on the task of interpretation and transliteration skills between American Sign Language, English, and other communication modes used by deaf people using consecutive interpreting strategies.

Prerequisite: AM 145-149; and 151 and 152; or Instructor approval.

### **AM 207 Simultaneous Interpreting 4 (2,4,0,0)**

This skills development course focuses on the task of interpretation and transliteration between American Sign Language, English and other communication modes used by deaf people using simultaneous interpreting strategies.

Prerequisite: AM 206.

### **AM 208 Observation/Practicum in Interpreting 3 (1,0,0,8)**

This course provides students opportunities to shadow, observe and interact with professional interpreters in a supervised observation/practicum setting. Class discussions will be held in seminar format.

Prerequisite: AM 207.

### **AM 209 Advanced Interpreting 4 (2,4,0,0)**

This course continues the development of skills in interpretation and transliteration in order to prepare students for employment. Emphasis is placed on practical application of theory and process of interpreting in class and lab situations.

Prerequisite: AM 207.

### **AM 211 Internship in Interpreting 3 (1,0,0,8)**

This course provides internship experiences to students in the final semester of the interpreter preparation program. Site visits will be made by the instructor.

Prerequisite: Instructor approval.

### **AM 253 Deaf Culture 3 (3,0,0,0)**

This course is designed to introduce students to the American Deaf Culture and definitions of culturally linked terms and philosophies.

Prerequisite: Instructor approval or Corequisite: AM 147.



**AM 254 Deaf History 3 (3,0,0,0)**

This course is designed to introduce students to the history of deaf people and the sociological, psychological, educational, and political forces which have shaped the field of deafness.

Prerequisite: Instructor approval or Corequisite: AM 148.

**AM 255 Structure of American Sign Language 3 (3,0,0,0)**

This course acquaints students with the information and research concerning phonetics, morphology, syntax, semantics, neurolinguistics, psycholinguistics, and sociolinguistics of American Sign Language. This class will be conducted in American Sign Language without voice.

Prerequisite: Instructor approval or Corequisite: AM 149.

**AM 257 ASL/English Translation 3 (3,0,0,0)**

This course is an introduction to the process of working between two languages. Students will analyze textual material and translate from the source into the target language with the goal of maintaining semantic accuracy.

Prerequisite: AM 255 or Instructor approval.

**AM 304 Principles and Practices in Interpreting 4 (2,4,0,0)**

This course includes a review of the history and development of the profession of sign language interpreting, the laws affecting the profession, various models of interpretation, standards of practice, the Registry of Interpreters for the Deaf Code of Professional Conduct, professionalism, business practices, language and cultural implications and client assessment skills. This class is conducted in American Sign Language.

Prerequisite: AM 149 and 152.

**AM 306 Consecutive Interpreting Applications 4 (2,4,0,0)**

This practice-oriented course focuses on further developing, fine-tuning, and diagnosing consecutive interpretation techniques, strategies and transliteration skills to achieve entry-level employment status. Tasks focus on American Sign Language, English and include discussion and incorporation of other communication modes used by Deaf people.

Prerequisite: AM 304 or instructor approval.

**AM 307 Simultaneous Interpreting Applications 4 (2,4,0,0)**

This practice-oriented course focuses on further developing, fine-tuning, and diagnosing simultaneous interpretation techniques, strategies and transliteration skills to achieve entry-level employment status. Tasks focus on American Sign Language, English and include discussion and incorporation of other communication modes used by Deaf people.

Prerequisite: AM 306 or instructor approval.

**AM 308 Observation/Practicum in Interpreting 3 (1,0,0,36)**

This course provides students opportunities to shadow, observe and interact with professional interpreters in a supervised observation/practicum setting. Class discussions will be held in a seminar format.

Prerequisite: AM 307 with a grade of C or higher; or instructor approval.

**AM 309 Advanced Interpreting 4 (0,6,0,0)**

This course continues the development of skills in interpretation and transliteration in order to prepare students for employment. Emphasis is placed on practical application of theory and process of interpreting in class and lab situations.

Prerequisite: AM 307 and AM 308 both with a grade of C or better; or instructor approval.

**AM 310 Specialized Interpreting 3 (3,0,0,0)**

This course introduces students to areas of specialization in the field of interpreting such as: medical, legal, deaf-blind, educational, artistic, religious, video relay, video remote, testing, business practices and mental health. Each area of specialization will include vocabulary, discourse analysis, demand control schema, interpreting techniques and practical text to analyze and interpret.

Prerequisite: AM 306 with a grade of C or better; or instructor approval.

**AM 401 Artistic Interpreting 3 (2,3,0,0)**

This course introduces students to the area of artistic interpreting which includes theatrical and musical productions, song lyric and poetry translation and platform interpreting techniques.

Prerequisite: AM 310 or instructor approval.

**AM 402 Medical Interpreting 3 (2,3,0,0)**

This course is designed to develop skills in the area of medical interpreting which includes specialized vocabulary, ethical considerations, laws, mental health, professional behavior and protocol in medical settings. Includes practicum.

Prerequisite: AM 310 or instructor approval.

**AM 403 Educational Interpreting 3 (2,3,0,0)**

This course introduces the specialty of interpreting in educational settings from pre-school through post-secondary levels.

Prerequisite: AM 310.

**AM 404 Mentorship In Interpreting 3 (1,6,0,0)**

This seminar course provides students with continued skill development by experiential learning with the guidance of an assigned mentor interpreter. Students will participate in interpreting assignments and get direct feedback from the mentor.

Prerequisite: AM 310 or instructor approval.





**AM 405 Capstone Seminar 3 (1,6,0,0)**

This seminar course is designed to prepare students for the Educational Interpreter Performance Assessment for interpreters working in the K-12 educational setting and the National Interpreter Certification Evaluation offered by the Registry of Interpreters for the Deaf. Both evaluations are required by NV state law (NRS 656A).

Prerequisite: AM 310 or instructor approval.

**AM 450 Internship in American Sign Language Interpreting 1-6 (0,0,0,36-216)**

This course provides students the opportunity to shadow, observe and interact with professional interpreters in a supervised observation/practicum setting. Students attend off site interpreter assignments, observe working interpreters, document observations and questions and actively participate in reflective journaling. Students will begin to develop a professional portfolio. Participation in class seminars is required.

Prerequisite: Instructor approval.

## Anthropology

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**ANTH 101 Introduction to Cultural Anthropology 3 (3,0,0,0)**

An in-depth analysis of culture revealed by world ethnography.

**ANTH 102 Introduction to Physical Anthropology 3 (3,0,0,0)**

Genetics, heredity, diversity, and the origins and evolution of humans. Examines basic evolutionary biology, including natural selection, and the relevant history, science, and methods in this field.

**ANTH 104 Great Discoveries in Archaeology 3 (3,0,0,0)**

Examination of famous archaeological discoveries and contemporary archaeological research. Highlights archaeology's contributions to modern views of the past.

**ANTH 105 Introduction to World Archaeology 3 (3,0,0,0)**

Development of human society and technology from the earliest traces of culturally patterned behavior to the emergence of civilization in the Old and New Worlds.

**ANTH 106 Introduction to Anthropological Linguistics 3 (3,0,0,0)**

Introduction to the anthropological study of language in the context of culture. This course also examines the scientific study of phonology, morphology, syntax, and semantics.

**ANTH 110L Physical Anthropology Lab 1 (0,3,0,0)**

Applied investigation of genetics, evolutionary biology, human skeletal anatomy, non-human primates, and human ancestors. Intended to satisfy the lab science general education requirement.

Prerequisite: ANTH 101 with a grade of C or better.

**ANTH 112 Social Anthropology 3 (3,0,0,0)**

An examination of the application of anthropological concepts to contemporary society. The results of studies of non-western, sociocultural systems used in considering alternate solutions to the problems confronting Western man today will be covered.

**ANTH 133 Culture and Communication 3 (3,0,0,0)**

Introduction to theory, analysis and practice in understanding culture and its impact on communication. Emphasis on the use of cultural awareness and multicultural sensitivity to improve oral and written communication. (Same as COM 133.)

**ANTH 201 Peoples and Cultures of the World 3 (3,0,0,0)**

A study of human cultural diversity and institutions among various people and societies around the world.

**ANTH 202 Introduction to Archaeology 3 (3,0,0,0)**

An examination of the research goals, theoretical foundations, and methods of anthropological archaeology. Examples are drawn from archaeological sites worldwide, with a Great Basin emphasis.

**ANTH 203 Special Topics in Anthropology 3 (3,0,0,0)**

Intensive survey of major areas of Anthropology. Topics will vary. May be repeated up to six (6) credits.

Prerequisite: ANTH 101.

**ANTH 204 Art in Cross-Cultural Perspective 3 (3,0,0,0)**

An examination of cultural influences on art production, process, and meaning, as viewed across diverse modern, historic, and pre-historic contexts. Philosophies of art and the relationships between art and various aspects of culture are explored.

**ANTH 205 Ethnic Groups in Contemporary Societies 3 (3,0,0,0)**

A survey of racial and ethnic intergroup relations in the United States and other societies. Emphasis is on cultural, social, and institutional factors that lead to group conflict and/or cultural pluralism. (Same as SOC 205.)

**ANTH 206 African Culture Through Oral History and Storytelling 3 (3,0,0,0)**

An exploration of the different life-ways in various societies of Africa and African Diaspora through oral traditions and folklore.



**ANTH 207 Sport and Culture 3 (3,0,0,0)**

This course looks at the relationship of sport and culture in past and contemporary world cultures. The course uses western and non-western sports to illustrate the nature of this relationship.

**ANTH 209 Gender in Cross-Cultural Perspective 3 (3,0,0,0)**

An examination of human gender and sexuality through an investigation of cross-cultural similarities and differences.

**ANTH 211 Introduction to the Archaeology of North America 3 (3,0,0,0)**

Examines the prehistory of North America from the peopling of the continent to European contact. Particular emphasis is on the prehistory of the Great Basin.

**ANTH 212 Introduction to North American Indians 3 (3,0,0,0)**

Survey of traditional life and modern conditions of American Indians with emphasis on the western United States.

**ANTH 214 Introduction to Mesoamerican Prehistory and Archaeology 3 (3,0,0,0)**

The study of prehistoric and protohistoric cultures of Mexico and Central America, including the Aztecs and Mayans.

**ANTH 215 Introduction to Faith, Witchcraft and Magic 3 (3,0,0,0)**

Introduces students to the anthropological study of religion as a human institution. Examines the history, methods, and current status of the field.

**ANTH 216 Cultures Through Film 3 (3,0,0,0)**

An exploration of societies, cultures and cultural anthropology through film. Ethnographic and documentary films are shown.

**ANTH 217 Drums, Culture, and New World Rhythmatism 3 (3,0,0,0)**

Explore relationships between culture and the arts while learning to play hand drums from around the world. Experiential learning for body and mind.

**ANTH 218 Introduction to the Archaeology of the Great Basin and the Southwest 3 (3,0,0,0)**

An archaeological perspective on the lifeways of the Great Basin and Southwest American Indian communities over the past 13,000 years.

**ANTH 222 Fundamentals of Forensic Anthropology 3 (3,0,0,0)**

Overview of the practice of forensic anthropology. Identification methods to determine age, sex, ancestry, stature, and unique characteristics from skeletal remains. The role of anthropologists in human rights and disaster response.

Prerequisite: ANTH 102 with a grade of C or higher.

**ANTH 225 Archaeological Field Methods Survey 3 (3,0,0,0)**

Introduction to archaeological field research that uses current survey and recording methods to identify archaeological sites.

**ANTH 226 Archaeological Field Methods Excavation 3 (3,0,0,0)**

Introduction to archaeological excavation and recording of prehistoric and historic sites.

**ANTH 227 Foundations of Archaeological Lab Methods 3 (0,3,0,0)**

A practical introduction to archaeological laboratory methods, which may include inventorying, processing, and cataloging artifacts, and preparing them for analysis and curation.

**ANTH 290 Internship in Anthropology 1 (0,0,0,1)**

Supervised work experience in anthropology under guidance of a professional anthropologist or related professional. Student will apply knowledge and skills to real on-the-job situations. Students must complete a minimum of two (2) credits to satisfy the requirements of the Cultural Resource Management Certificate of Achievement.

Prerequisite: ANTH 101 with a grade of C or higher and a grade of C or higher in either ANTH 102 or 105 or 106.

**ANTH 228 Health, Healing and Culture 3 (3,0,0,0)**

Health and healing from an anthropological perspective. Cross-cultural investigation of social, ecological, and evolutionary aspects of human health. Biocultural approaches to contemporary health issues.

**ANTH 291 Practicum: Group Discussion Leader 2 (1,0,0,4)**

This course is designed to introduce the student to skills and facilities of instruction in the college classroom.

Prerequisite: ANTH 101.

**ANTH 299 Capstone Course in Anthropology 2 (2,0,0,0)**

Provides theoretical and practical overview of the field of anthropology in relationship to the Anthropology AA degree and emphasis.

Prerequisite: Completion of Associate of Arts Anthropology degree program.



## Arabic

**ARA 111 First Year Arabic I 4 (4,0,0,0)**

This course is intended to teach the alphabet and sound system of Modern Arabic. It will introduce basic conversation in Egyptian Arabic as well as the cultural norms related to these conversations. It will include basic Arabic vocabulary and an introduction to Arabic grammar.

**ARA 112 First Year Arabic II 4 (4,0,0,0)**

This course is intended for non-native Arabic speakers who wish to study modern Arabic, including listening, speaking, reading, and writing. The course focuses primarily on Modern Standard Arabic but also includes practice with the spoken Arabic of Egypt.

Prerequisite: ARA 111 or Department approval.

**ARA 211 Second Year Arabic I 3 (3,0,0,0)**

This course is a continuation of ARA 112, and is intended for non-native Arabic speakers who wish to study modern Arabic, including listening, speaking, reading, and writing. This course focuses primarily on Modern Standard Arabic but also includes practice with the spoken Arabic of Egypt.

Prerequisite: ARA 112 or Department approval.

**ARA 212 Second Year Arabic II 3 (3,0,0,0)**

This course is a continuation of ARA 211, Second Year Arabic I, and is intended for non-native Arabic speakers who wish to study modern Arabic, including listening, speaking, reading, and writing. This course focuses primarily on Modern Standard Arabic but also includes practice with the spoken Arabic of Egypt.

Prerequisite: ARA 211 or Department approval.

## Art

**ART 100 Visual Foundations 3 (0,6,0,0)**

Explores visual forms and contemporary concepts through a variety of media, presentations, and discussions.

**ART 101 Drawing I 3 (0,6,0,0)**

An introductory studio course emphasizing a disciplined foundation in drawing concepts based on visual observations.

**ART 102 Drawing II 3 (0,6,0,0)**

Further development of the fundamental drawing skills acquired in ART 101. Emphasis on extending visual concepts, exploring alternate materials and developing compositional devices. Study of various applications of life drawing included.

Prerequisite: ART 101.

**ART 105 Color Theory 3 (0,6,0,0)**

An introduction to color interaction, optical phenomena and their creative application.

**ART 106 Jewelry I 3 (0,6,0,0)**

Introduction to basic fabricating processes, i.e., sawing and soldering of both common and fine metals. From simple jewelry pieces to setting stones or construction of simple non-jewelry pieces. Includes historical evolution of metal work and student research. Emphasis on knowledge and development of manual skills and personal aesthetic sense.

**ART 107 Design Fundamentals I (2-D) 3 (0,6,0,0)**

A course in art fundamentals designed to develop a visual language. Emphasis on the application of the elements and principles of pictorial structure, point, line, shape, plane, space and color.

**ART 108 Design Fundamentals II (3-D) 3 (0,6,0,0)**

An introduction to the principles and elements of sculptural process in a variety of media which may include wood, plaster, clay and metal.

**ART 124 Introduction to Printmaking 3 (0,6,0,0)**

Introduction to printmaking with emphasis on its creative possibilities. One or several of the basic techniques developed: intaglio, lithography, serigraphy, monotype and relief printmaking.

Prerequisite: ART 101.

**ART 127 Watercolor I 3 (0,6,0,0)**

An introduction to the opaque and transparent watercolor media and the development of techniques and skills in the manipulation of the medium.

**ART 135 Photography I 3 (0,6,0,0)**

A beginning course which emphasizes a fine arts and aesthetic approach to the medium. Assignments explore ideas in contemporary art while developing technical and darkroom skills.

**ART 141 Introduction to Digital Photography 3 (0,6,0,0)**

A beginning course in digital photography that emphasizes a fine arts approach. Technical proficiency and individual exploration are stressed.

**ART 142 Introduction to Digital Photography II 3 (0,6,0,0)**

Intermediate study of operations and techniques in digital photography such as lighting, exposure and print enhancement. Emphasis placed on development of personal body of work.

Prerequisite: ART 141 or Instructor approval.

**ART 156 Design Fundamentals III 3 (0,6,0,0)**

Introductory concepts, study of terminology and practical application of computer software used in visual art and design. Students use design principles to create projects in 2D, 3D, interactive, and time-based media.

Prerequisite: ART 141 or Instructor approval.



**ART 160 Art Appreciation 3 (3,0,0,0)**

An introduction to the visual arts. Emphasis will be placed upon the acquisition of the tools and the skills necessary to understand and interpret works of art. Traditional art forms, such as painting and sculpture will be considered as well as newer genres such as installation and performance.

**ART 160H Art Appreciation – Honors 3 (3,0,0,0)**

A writing-intensive introduction to the visual arts. Emphasis will be placed upon the acquisition of the tools and the skills necessary to understand and interpret works of art. Traditional art forms such as painting and sculpture will be considered as well as newer genres such as installation and performance. Courses with “H” suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: Admission to the Honors program.

**ART 201 Life Drawing I 3 (0,6,0,0)**

An introduction to the depiction of the human form with studies in anatomy and pictorial organization. Emphasis on technical skills based on observational studies.

Prerequisite: ART 102.

**ART 202 Life Drawing II 3 (0,6,0,0)**

A continuation of studies of the human form. Emphasis on conceptual development using a variety of materials.

Prerequisite: ART 201.

**ART 206 Jewelry II 3 (0,6,0,0)**

Introduction to the basic techniques of lost wax metal casting (centrifuge and vacuum). Includes information about advanced fabricating techniques with emphasis on personal expression and individual artistic growth.

Prerequisite: ART 106.

**ART 211 Ceramics I 3 (0,6,0,0)**

Basic hand-building techniques are explored as means to produce vessel and sculptural forms along with glaze decoration. Cost of clay is in addition to course fee.

**ART 212 Ceramics II 3 (0,6,0,0)**

Introduction to basic wheel-throwing techniques to produce vessel forms, surface decorations and glaze application. Cost of clay is in addition to course fee.

**ART 216 Sculpture I 3 (0,6,0,0)**

An introduction to techniques and concepts in contemporary sculpture which will include casting, carving and constructing.

**ART 217 Sculpture II 3 (0,6,0,0)**

Intermediate study of techniques and concepts in contemporary sculpture.

Prerequisite: ART 216 or Instructor approval.

**ART 219 Beginning Sculpture Foundry 3 (0,6,0,0)**

Beginning techniques and concepts of traditional and contemporary cast metal including mold making, casting, tooling and patination.

Prerequisite: ART 216 or Instructor approval.

**ART 223 Beginning Printmaking: Screen Printing 3 (0,6,0,0)**

Introduction to the basic techniques of screenprinting with an emphasis on its creative potential.

Prerequisite: ART 101 or 107.

**ART 225 Intermediate Printmaking 3 (0,6,0,0)**

A continuation of ART 124 with emphasis on color theory, print history and the exploration of personal imagery. Studio projects will be based on individual interests with faculty advisement. Both group and individual critiques will be employed.

Prerequisite: ART 124.

**ART 226 New Technology Printmaking 3 (0,6,0,0)**

Introduction to photo, computer and hand-drawn imagery within the traditional printmaking format. Techniques covered will include: intaglio, lithography, and monotype.

Prerequisite: ART 101 and 124.

**ART 231 Painting I 3 (0,6,0,0)**

Introduction to the concepts of painting, including color, form, technical skills and knowledge of materials. Emphasis on the development of aesthetic awareness. Projects will be problem-solving assignments.

Prerequisite: ART 101.

**ART 232 Painting II 3 (0,6,0,0)**

A continuation of ART 231 with an emphasis on conceptual development and individual interests.

Prerequisite: ART 101 and 231.

**ART 235 Photography II 3 (0,6,0,0)**

Intermediate level course which explores techniques such as Zone System, night photography, large format and alternate darkroom processes. Emphasis on development of personal body of work and exploration of contemporary photography. Includes field trips.

Prerequisite: ART 135.

**ART 243 Digital Imaging I 3 (0,6,0,0)**

An introduction to the concepts and practices of computer imaging and the use of related media with emphasis on creative applications of digital technology.

Prerequisite: ART 101 or 107.





**ART 244 Digital Imaging II 3 (0,6,0,0)**

Advanced application of the concepts and practice of computer imaging and the use of related media with emphasis on creative applications of digital technology.

Prerequisite: ART 243.

**ART 245 Digital Media I 3 (0,6,0,0)**

Exploration of various digital media in the creation of art.

**ART 253 Cinema II/The Sound Era 3 (3,0,0,0)**

This introductory course identifies creative use of film-making techniques and surveys the major genres of film since the 1930s. Main genres explored include the Western, Crime, Horror, Musical, Science Fiction, War, Comedy, Action-Adventure and Foreign. In-class films, class critiques, field trip.

**ART 260 Survey of Art History I 3 (3,0,0,0)**

A survey of Western art and architecture from the prehistoric era to the beginning of the Renaissance.

**ART 261 Survey of Art History II 3 (3,0,0,0)**

A survey of painting, sculpture and architecture in the West from the Renaissance through the modern era.

**ART 262 Survey of Asian Art 3 (3,0,0,0)**

An introduction to the art and architecture of Asia including India, Tibet, China, Korea, Japan, and Southeast Asia, through an exploration of the major religious and secular artistic traditions from Neolithic to Modern times. Slide lectures, video/film, discussions and museum field trip.

**ART 263 Survey of African, Oceanic, and Native American Art 3 (3,0,0,0)**

An introduction to the arts and architecture of Tribal Africa, Oceania and Aboriginal Cultures, and Native America. Slide lectures and class discussion. Field trips.

**ART 264 Survey of American Art 3 (3,0,0,0)**

Survey of the art and architecture of the United States from the colonial period through the late twentieth century. Slide lectures, discussions and videos.

**ART 265 Introduction to Contemporary Art 3 (3,0,0,0)**

Survey of the major art forms and movements since World War II and of the critical and cultural milieu in which they developed.

**ART 267 Pre-Columbian Art and Architecture 3 (3,0,0,0)**

Studies the art and architecture of the numerous traditions and cultures of South and Mesoamerica and the examination of the effects of European contact and later developments in the ancient Southwest.

**ART 270 Women in Art 3 (3,0,0,0)**

This course will explore the contributions women have made to Western art from the Middle Ages through the present. Among the topics we shall consider are: works of art produced by women artists and the historical circumstances in which they were produced; how women have been represented by Western artists, both male and female; and the role women have played in Western culture as art patrons and art collectors.

**ART 275 Survey of History of Photography 3 (3,0,0,0)**

Introduction to the artistic development of photography from early inventions as a technique to its use as a fine art. Considered also is relationship of photography to Modern Art movements and mass media. Slide lectures, discussion and field trips.

**ART 278 Art and Photography in 20th Century Mexico 3 (3,0,0,0)**

This course examines the contributions made by Mexican artists and photographers to twentieth century visual culture. The focus is on the "Mexican Renaissance" of the 1920s and 1930s; in particular, the revival of the fresco tradition and the effect it had on artistic production. Other topics include; the print tradition, easel painting, and the development of Mexican photography. (Same as PHO 278.)

**ART 298 Portfolio Emphasis 2 (1,2.5,0,0)**

Participants will develop portfolios, documents and verbal skills necessary for the college transfer or job acquisition in the fine arts field. Class will cover development of professional portfolio, résumé, artists' statement and marketing strategies in art. Twelve (12) hours of ART credits strongly recommended for entry into this course.

**Astronomy****AST 101 General Astronomy 3 (3,0,0,0)**

An elementary course which considers the solar system, stellar systems and stellar and galactic evolution according to currently accepted concepts. This course designed for non-science majors with little or no background in science or mathematics.

**AST 103 Introductory Astronomy: The Solar System 3 (3,0,0,0)**

A survey course at the beginning level which discusses the nearby objects of our solar system, the formation and evolution of planetary bodies and the exploration of space. A minimum of mathematics is required, in the tradition of the amateur astronomer. Recommended for non-science majors.

**AST 104 Introductory Astronomy: Stars and Galaxies 3 (3,0,0,0)**

A survey course at the beginning level which discusses stellar systems and galaxies. Topics include stellar evolution, formation of galaxies and cosmology. A minimum of mathematics is required, in the tradition of the amateur astronomer. Recommended for non-science majors.







**AUTO 235B Engine Performance III/  
Diagnostics 4 (1,6,0,0)**

Study of advanced level diagnostic test procedures and the equipment used to analyze OBD-II emission and driveability concerns. Use of Digital Storage Oscilloscopes, current ramping, scan tool analysis and 4 and 5 gas analyzers is mastered.

Prerequisite: AUTO 227B.

**AUTO 240B Nevada 1G Emission  
Inspection Preparation 2 (2,0,0,0)**

This course meets the initial State of Nevada training requirements for those individuals wishing to become a Nevada 1G emission inspector.

**AUTO 245B Power Train Removal  
and Replacement 4 (1,6,0,0)**

Students will complete removal and installation of major automotive components including the engine assembly, transmission/transaxle assembly, differential and transfer case.

Prerequisite: AUTO 136B.

**AUTO 285B Hybrid Vehicle  
Service Techniques 4 (1,6,0,0)**

This course will cover safety procedures, design, operation, diagnosis and repair of all classification of hybrid electric vehicles. Each student must possess legal Class "O" HV gloves and liners to attend this class.

Prerequisite: AUTO 185B.

**AUTO 291B Work Experience I 1-4 (0,0,0,5-20)**

Cooperative education courses, designed to provide the student with on-the-job supervised and educationally directed work experience. Each course except AUTO 294B will have a prerequisite of successful completion of the preceding Work Experience course. One credit may be earned for each 5 hours worked per week during the semester up to a maximum of 4 credits per semester, not to exceed 16 credits total.

Prerequisite: Instructor approval.

## Aviation

**AV 100B Aviation Orientation 3 (3,0,0,0)**

This course will introduce students to the history and development of flight, basic aircraft principles, the aviation industry, and career opportunities within the industry.

**AV 105B Airport Operations 3 (3,0,0,0)**

An introduction to the principles of airport operations. Topics include management functions, airport classification, organizational structures, flight operations, maintenance operations and their relationship with commercial airlines, corporate flight operations, air cargo and general aviation. Pertinent Federal Aviation Regulations governing airport operations will be emphasized.

**AV 107B Airline Flight Operations 3 (3,0,0,0)**

An introduction to the operational aspects of airline flight operations. Topics include management functions, organizational structure and personnel requirements with regard to airlines, commuter, air-taxi and instructional flight operations. The complex area of operational techniques utilized by airlines, and business strategies airlines face today will be discussed. Pertinent Federal Aviation Regulations governing airline operations will be emphasized.

**AV 110B Private Pilot Ground School 4 (4,0,0,0)**

A study of aviation fundamentals including principles of flight, aircraft and engine operations, weather, navigation and radio communication as required by FAA (Federal Aviation Administration) regulations. This course will prepare the student to take the FAA Private Pilot Airplane Certificate Knowledge exam.

**AV 111B Private Pilot  
Certification Lab 3 (0,6,0,0)**

Students will begin flight training with an FAA (Federal Aviation Administration) Certificated Flight Instructor. Training will include all skills necessary to pass the FAA Private Pilot Airplane Certificate Practical Exam. This course is designed for AAS Aviation Technology degree seeking majors.

Prerequisite: Instructor approval or Corequisite: AV 110.

**AV 112B Human Factors and Safety 3 (3,0,0,0)**

This course will study the effects of human factors on pilot performance and safety including education and training, the aviation environment and pilot mental and physical condition.

**AV 114B Advanced Navigation  
and Flight Planning 3 (2,2,0,0)**

Flight planning and navigation concepts are mastered through application of Federal Aviation Regulations pertaining to airline flight systems operations. Various components of flight plans, navigation systems, dispatch releases, aeronautical charts, weather conditions, operating limitations, and performance factors for aircraft will be implemented.

Prerequisite: AV 110B.

**AV 115B Aviation Meteorology 3 (3,0,0,0)**

This course deals with atmospheric conditions and the effect on aeronautical applications. Weather development patterns and observations from the pilot's point of view will be emphasized.

**AV 210B Instrument Ground School 4 (4,0,0,0)**

Aspects of instruction will include the aeronautical knowledge areas as determined by the Federal Aviation Administration for the Instrument Rating – Airplane. This course will prepare eligible students to take the FAA Instrument Rating – Airplane Knowledge Exam. Course may be taken as an IFR refresher or to enhance knowledge of IFR flight operations.

Prerequisite: AV 110B.



**AV 212B Instrument Certification Lab 3 (0,6,0,0)**

Students will begin flight training with an FAA Certificated Flight Instructor - Instrument. Training will include all skills necessary to meet eligibility requirements for the FAA Instrument Airplane Practical Exam. This course is designed for AAS Aviation Technology degree seeking majors.

Prerequisite: AV 111B.

**AV 214B Aerodynamics 3 (3,0,0,0)**

Study of basic aerodynamic theory. Covers wing design and theory, lift analysis and drag criteria, and basic performance criteria calculations. The effects of low and high speed flight configurations are examined.

Prerequisite: AV 110B.

**AV 215B Crew Resource Management 3 (3,0,0,0)**

This course will cover the common concepts and application of Crew Resource Management (CRM) as it applies to professional pilots, general aviation pilots, cabin crews, maintenance personnel, aircraft dispatchers, and air traffic controllers will be studied, emphasizing the human interface and accompanying interpersonal activities that involve decisions required to operate a flight safely. Topics such as risk assessment, management, error prevention and mitigation, and automation issues will be studied, using case studies, accident analysis and practical application exercises.

**AV 220B Air Transportation 3 (3,0,0,0)**

This class surveys the regulations of the aviation industry at the state, federal, and international levels. Historical events and how they impact current and past legislation will be studied. Students will also investigate the impact of legislation and treaties on the aviation industry, such as deregulation, international alliances and agreements.

**AV 240B Advanced Aircraft Systems 3 (3,0,0,0)**

Course covers the different types of commercial aircraft, and their various operational, instrumentation, electrical, electronic, fuel, and mechanical systems. The course will also cover principles of operations, and commercial aircraft structure and avionics. Mathematical calculations for determining large aircraft weight and balance will also be presented.

Prerequisite: AV 110B.

**AV 250B Commercial Pilot Ground School 4 (4,0,0,0)**

This course prepares students to take the FAA Commercial Pilot Knowledge Exam. Aspects of instruction will include the aeronautical knowledge areas as determined by the Federal Aviation Administration for the Commercial Pilot Certificate.

Prerequisite: AV 110B.

**AV 251B Commercial Pilot Certification Lab 3 (0,6,0,0)**

Students will begin flight training with an FAA (Federal Aviation Administration) authorized Flight Instructor. Training will include all practical skills necessary to meet eligibility requirements for the FAA Commercial Pilot Certificate. This course is designed for AAS Aviation Technology degree seeking majors.

Prerequisite: AV 212B.

**Biology****BIOL 095 Basic Biology 3 (3,0,0,0)**

An introduction to the principles of math, chemistry, cell biology, energetics, and molecular genetics designed to prepare students for college freshman biology. The application of study skills to biology courses will also be emphasized. This course is non-transferable.

**BIOL 101 Biology for Non-Majors 4 (3,3,0,0)**

An introduction to biology with emphasis on human concerns. Topics include aspects of organism structure, function, ecology, and evolution which provide a biological perspective for issues facing modern society. Intended to satisfy the lab science general education requirement.

**BIOL 103 Biology Laboratory 1 (0,3,0,0)**

Prerequisite: Entry by departmental authorization only.

**BIOL 112 Introduction to Animal Behavior 3 (3,0,0,0)**

Introduction to invertebrate and vertebrate animal behavior, its description, role, genetic and evolutionary basis, and methods of study. Designed as a general education, non-majors course.

**BIOL 113 Life in the Oceans 3 (3,0,0,0)**

An introduction to the environment and inhabitants of the sea.

**BIOL 114 DNA, Gene Technology, And You 3 (3,0,0,0)**

This course is an introduction to genetics with emphasis on issues facing modern society. Topics covered include: the structure and function of DNA; the complexities of heredity; the purposes of cloning, genetic modification, and artificial selection; and the role of natural selection in the modification of population genetics. This course is intended to satisfy the general education requirement for a non-lab science.

**BIOL 116 Natural History 3 (3,0,0,0)**

This course explores the ways living organisms survive in nature and demonstrates how each organism illustrates the principles of ecology and evolution.

**BIOL 120 Plants and People 3 (3,0,0,0)**

An introduction for non-biology majors to the social, cultural, and economic role of useful and harmful plants and plant products in modern society. Consideration is given to the origin, history and human value of selected plants, especially those used for food, medicine and industrial raw materials, or in religious rites.



**BIOL 121 Human Nutrition 3 (3,0,0,0)**

Description of the nature and role of carbohydrates, lipids, proteins, water, vitamins and minerals in the human body. Energy relationships and various controversies in nutrition are examined, as well as relationships between nutrition, health and disease. (Same as NUTR 121.)

**BIOL 122 Desert Plants 3 (2,3,0,0)**

Desert plants is an investigation of the desert of the southwest United States. Students will evaluate plant community distributions and characterize common species. Students will explore adaptations to aridity and the nature, origin, and occurrence of arid environments.

**BIOL 189 Fundamentals of Life Science 4 (3,3,0,0)**

Biology 189 is a comprehensive course which serves to build a cornerstone of biological knowledge for students in health science majors, and fulfills the prerequisite for anatomy and physiology, and microbiology courses. The topics include biochemistry, cell structure and function, cellular metabolism, physiology, genetics, and gene expression. Biology 189 is a 4-credit, lecture and lab course, and includes 3 hours of lecture and 3 hours of lab per week. Biology 189 has a prerequisite of ENG 100 or ENG 101 or ENG 113 with a C- or better; and a pre/co-requisite of MATH 104B or MATH 116 or higher (excluding MATH 122 and MATH 123) with a C- or better. The Biological Sciences Department HIGHLY RECOMMENDS that students complete their required Math course before enrolling into Biology 189.

Prerequisite: ENG 100 or ENG 101 or ENG 113 with a grade of C- or higher; and MATH 104B or MATH 116 or higher (except MATH 122, 123) with a grade of C- or better.

**BIOL 196 Principles of Modern Biology I 4 (3,3,0,0)**

A study of the basic characteristics of living systems including the chemical and physical structure of cells, enzyme mechanics, metabolism, genetics, molecular biology principles and techniques, and evolution. This course is designed for science, biological science and preprofessional majors.

Prerequisite: ENG 100 or 101 or 113; and MATH 124 or 126 or above; all with a grade of C- or better.

**BIOL 197 Principles of Modern Biology II 4 (3,3,0,0)**

A survey of major groups of organisms presented in an evolutionary context, including natural selection, biodiversity, structure and function, reproduction, physiology, and ecology.

Prerequisite: BIOL 196.

**BIOL 202 General Botany 4 (3,3,0,0)**

BIOL 202 is an introduction to the development, anatomy, physiology, taxonomy, diversity and evolutionary relationships of the major plant groups and plant-like organisms. The topics include plant cell structure and function, cellular metabolism, physiology, nutrition, tissue systems, morphology, growth and development, environmental factors, ecology and mechanisms of evolution.

Prerequisite: BIOL 122 with a grade of C or higher; or BIOL 189 with a grade of C or higher; or BIOL 196 with a grade of C or higher; or Instructor approval.

**BIOL 208 Introduction to Human Genetics 3 (3,0,0,0)**

Non-majors, general education course covering hereditary principles applied to human inheritance and their implications for human affairs. Study of selected examples of human traits.

Prerequisite: BIOL 101 or higher.

**BIOL 211 Introduction to Field Biology 4 (3,3,0,0)**

An introduction to field safety, navigation, species, diagnosis, data collection, survey techniques, and regulations associated with field biology. Outdoor and off-campus field work required.

Prerequisite: ANTH 101 or 102 or 202; or BIOL 116 or 122 or 189 or 196 or 220; or ENV 101 or 220; or GEOG 103; or GEOL 101 or 105; or Instructor approval.

**BIOL 214 Molecular Processes 3 (3,0,0,0)**

An introduction to the concepts of DNA replication, transcription, translation, the control of gene expression and DNA recombinant technologies. Will also include comprehensive study of both prokaryotic and eukaryotic genomes, gene expression and molecular techniques for clinical diagnosis and research. Emphasis on current techniques to assess genomes, and gene expression.

Prerequisite: BIOL 196.

**BIOL 220 Introduction to Ecological Principles 3 (3,0,0,0)**

An introduction to the major principles and underlying processes of organismal, population, community, and ecosystem ecology. (Same as ENV 220.)

**BIOL 223 Human Anatomy and Physiology I 4 (3,3,0,0)**

A detailed study of the anatomy and physiology of human cells and tissues and the integumentary, skeletal, muscular, and nervous systems. Designed for health science majors.

Prerequisite: BIOL 189 with a Grade of C or better.

**BIOL 224 Human Anatomy and Physiology II 4 (3,3,0,0)**

A detailed study of the anatomy and physiology of the human body. Topics include the circulatory, respiratory, digestive, urinary, endocrine, and reproductive systems. This course is designed for health science majors.

Prerequisite: BIOL 223 with a C or better.



**BIOL 251 General Microbiology 4 (3,3,0,0)**

Survey of the distribution, morphology and physiology of microorganisms in addition to skills in aseptic procedures, isolation and identification. Topics in microbial genetics, human disease and immunology are also explored. Recommended for all allied health and preprofessional majors.

Prerequisite: BIOL 189 with a Grade of C or better.

**BIOL 251H General Microbiology - Honors 4 (3,3,0,0)**

Microbiology is targeted toward specific student interests in microbiology, cell, molecular and integrative microbiology, and those with backgrounds in biology and chemistry. The course provides in-depth coverage of microbial (prokaryotic and eukaryotic cells and viral) structure, function, genetics, diversity, ecology, pathogenesis and immunology, with emphasis on microbial evolution and phylogeny, unique microbial metabolic pathways, molecular mechanisms and human-microbe interactions. Three hours lecture and three hours laboratory.

Prerequisite: BIOL 196 and CHEM 121 and 122 all with a grade of C or better.

**BIOL 299 Selected Topics in Biology 1-4 (0,3-12,0,0)**

Covers selected topics of interest to students in the biological sciences.

Prerequisite: Instructor approval.

**BIOL 325 Molecular Diagnostics 3 (3,0,0,0)**

In depth discussion and analysis of molecular biological techniques for research, forensics, and clinical diagnosis. Diagnostics for diseases, cancer, and disorders will be examined.

Prerequisite: BIOL 196 or 197 with a grade of C or better; and CHEM 110 or higher with a grade of C or better.

**Business Management****BUS 101 Introduction to Business 3 (3,0,0,0)**

Designed to build a business foundation and to give students a broad background of modern business principles. Course will introduce students to the business profession by incorporating and integrating business knowledge and information across departmental curriculum lines to enhance the overall comprehension of the business world. Class projects are assigned to promote team work among students to use their own capabilities in utilizing all educational aspects.

**BUS 102B Entrepreneurship and Innovation 3 (3,0,0,0)**

Practical overview of business start up, planning, preparation, and risk assessment. Concentration on business plan formulation including acquiring financing, personnel selection, sales and marketing.

**BUS 106B Business English 3 (3,0,0,0)**

Utilizes previous English language experience to train students in the basic skills of business communication in both oral and written form. Excellent foundation for Business Letters/Reports.

Prerequisite: ENG 100 or 101 with a grade of C or better.

**BUS 107 Business Speech Communication 3 (3,0,0,0)**

Designed to provide students with the opportunity to develop speaking and listening skills necessary for successful on-the-job communications. Emphasizes interpersonal and organizational communications such as interviewing, small group dynamics and oral presentations.

**BUS 108 Business Letters and Reports 3 (3,0,0,0)**

Designed to develop conceptual skills in all types of written and oral business communications, furnish practical applications of these skills, and acquaint the student with tools and techniques required to communicate in the real world of business.

Prerequisite: ENG 100 or 101 with a grade of C or better.

**BUS 109B Business Mathematics 3 (3,0,0,0)**

Fundamental mathematical processes for the business person and the consumer are reviewed. Discounts, commissions, depreciation, overhead and interest rates are studied.

**BUS 271 Introduction to Employment Law 3 (3,0,0,0)**

The study of federal and state labor law and employment law and how it impacts employers, employees and the American workforce.

**BUS 272 Legal Environment 3 (3,0,0,0)**

Legal Environment of Business examines the framework of the American legal system from a business perspective with a substantive and analytical focus on legal, regulatory, and ethical issues. These issues primarily impact business, government, managers, and employees of both privately and publicly held business entities and government.

**BUS 273 Business Law I 3 (3,0,0,0)**

This course provides business students a survey of the principle areas of business law. It explores the relationship between business and the law with respect to the following topics: torts, crimes, intellectual property, and contracts. Students also explore the relationship between business and the law with respect to constitutional law. Students gain a working knowledge of practical rules of law and legal terminology as well as legal solutions for business-related issues.





**BUS 274 Business Law II 3 (3,0,0,0)**

This course provides business students with a survey of the principle areas of business law. It explores the relationship between business and the law with respect to the following topics: contracts, agency, employment law and immigration law, consumer protection, environmental protection, and antitrust law. Students also explore the relationship between business and the law with respect to government regulation. Students gain a working knowledge of practical rules of law and legal terminology as well as legal solutions for business-related issues.

**BUS 275B Fundamentals of International Business 3 (3,0,0,0)**

This course will introduce the student to the exciting world of International Business. It will examine the following: direct focus on the development of management skills in handling problems of multinational business; analysis of problems stemming from the movement of goods, services, human resources, technology, finance, and ownership across national boundaries.

Prerequisite: BUS 101.

**BUS 280B Legal Aspects of International Business 1-3 (1-3,0,0,0)**

An introductory overview of International Law divided into three week topical sections of related business and legal aspects designed to emphasize international imports and exports, treaties and remedies. The student may select all or one of the sections; one credit per section.

**BUS 290B Internship in Business 3 (0,0,0,15)**

A course designed wherein students will apply knowledge to real on-the-job situations in a program designed by a company official and a faculty advisor to maximize learning experiences. Available to students who have completed the majority of their general education requirements and have completed at least 21 credits of special program requirements and have a 3.0 GPA in their special program required courses. Contact the appropriate faculty member for the application, screening and required skills evaluation.

**Computer Aided Drafting and Design****CADD 100 Introduction to Computer Aided Drafting 3 (2,3,0,0)**

Student will be introduced to the basic operation of a CADD workstation using AutoCAD software in a Microsoft Windows environment to produce two dimensional drawings.

Prerequisite: IS 100B or 101 or Instructor approval.

**CADD 105 Intermediate Computer Aided Drafting 3 (2,3,0,0)**

This course is a continuation of CADD 100, introducing the student to the automated features of a CADD workstation using industry standard CADD software to produce two-dimensional design drawings. Additional lab hours are required.

Prerequisite: CADD 100.

**CADD 140 Technical Drafting I 3 (2,3,0,0)**

This course will introduce the students to manufacturing situations according to drafting industrial standards. Computer aided drafting techniques are used to solve drafting problems.

Prerequisite: CADD 100 or Instructor approval.

**CADD 141 Technical Drafting II 3 (2,3,0,0)**

Introduces the student to 3D modeling, additive manufacturing and uses technical drafting to produce manufacture drawings for conceptual designs.

Prerequisite: CADD 140.

**CADD 245 Solid Modeling and Parametric Design 3 (2,3,0,0)**

Provides instruction in solid modeling using SolidWorks software to create solid model parts, assemblies, and working drawings.

Prerequisite: CADD 100 or Instructor approval.

**CADD 246B Solid Modeling and Parametric Design II 3 (2,3,0,0)**

This course will provide advance training and instruction by using parametric solid modeling software to create solid model parts, assemblies, and working drawings. This course will prepare students for the SolidWorks certification exam.

Prerequisite: CADD 245.

**CADD 250 CAD Systems Management 3 (2,3,0,0)**

Office management of Computer Aided Design and Drafting (CADD) personnel within an office environment including hardware and software selections, back-up procedures, and office standards, policies, and security.

Prerequisite: CADD 105 and COM 115.

**CADD 299B CADD Capstone 3 (2,3,0,0)**

This capstone course will assess the student's rate of progress in the CADD Technology program to include: 2D drafting with CAD, 3D solid modeling, 3D printing, and setting drafting standards. Graded Pass/Fail.

Prerequisite: Program Director approval.

**Counseling and Guidance Personnel Services****CAPS 123 Career Development 1-3 (1-3,0,0,0)**

A beginning course in life and career planning. Offered to assist participant to make informed occupational choices. Explore abilities, interests, values, aptitudes and occupational needs to assist in life planning.

**CAPS 125B Job Search Techniques 1-3 (1-3,0,0,0)**

This course will present techniques for use in the job hunting process. Résumé writing, research strategies, skills identification plus practice interview techniques will be utilized. May be repeated 3 times.



**CAPS 126B Parenting Skills 1-3 (1-3,0,0,0)**

This course meets the need of CSN students who are single parents, blended families and many times for local and federal requirements in divorce mediation. May be repeated up to a maximum of 3 credits.

**CAPS 127 College Success for Hispanic Leaders 2 (2,0,0,0)**

The goal of this course is to close the gap between the college completion rates of Hispanics compared to non-Hispanics. Problems unique to Hispanic student achievement will be covered including study skills techniques, short and long term college planning, self-discovery and development of cross-cultural competency in leadership style.

**CAPS 128 Foundations of Success for International Students 1 (1,0,0,0)**

Foundations of Success for International Students is designed to assist students with F-1 visas to overcome the difficulties often experienced with achieving academic success in an unfamiliar environment. Particular attention will be paid to achieving academic success in an unfamiliar environment, how to understand the complex relationship between academics and regulatory issues, and techniques for successfully managing cultural adjustments issues.

**CAPS 129B Assertiveness Techniques 1-3 (1-3,0,0,0)**

This class will explain the difference between passive, aggressive and assertive actions and help the student to gain self-esteem and confidence when communicating with others. May be repeated up to a maximum of 3 credits.

**CAPS 130 Stress Management Techniques 1-3 (1-3,0,0,0)**

Surveys personal lifestyles to identify areas of handling stress and tension that occurs in daily life. Techniques will be taught that will help to cope with anxiety producing situations. May be repeated up to a maximum of 3 credits.

**Civil Engineering****CEE 241 Statics 3 (3,0,0,0)**

Engineering analysis of concentrated and distributed force systems at equilibrium; analysis of structures, beams and cables, friction, virtual work, fluid statics, shear and moment diagrams.

Prerequisite: PHYS 180 and MATH 182.

**Computer Forensics****CF 117B Computer Forensics 3 (3,0,0,0)**

This course introduces the student to the preservation, identification, extraction, documentation and interpretation of crime related computer data. This course will include both lecture and demonstration of investigative techniques. Student should have basic computer knowledge.

**CF 118B Internet Forensics 3 (3,0,0,0)**

This course introduces the student to network intrusion analysis. It will cover DNS, ICMP, and fragmentation intrusion techniques and the use of TCP dump and SNORT in intrusion detection and prevention.

Prerequisite: CIT 112B

**CF 119B Introduction to Electronic Crime for Law Enforcement 3 (3,0,0,0)**

This course is an introduction to the investigation of high-tech crime. It will present the tools and methods used by criminals in identity theft, financial crimes, drug trafficking, crimes against children, hacking, terrorism and other electronic crimes. It will also include high-tech intelligence gathering methods and legal considerations, including ECPA, pen/trap orders, CALEA, and Title III wire taps.

**CF 124B Digital Crime Investigation 3 (3,0,0,0)**

Digital evidence plays a role in a wide range of crimes. The purpose of this course is to educate students about digital evidence and computer crime. It explains how computers are used in crimes, how they can be used as a source of evidence, relevant legal issues, deductive criminal profiling, criminal motivations, and investigative techniques.

**CF 217B Advanced Computer Forensics 3 (3,0,0,0)**

This course builds upon the skills learned in Computer Forensics. It includes lecture on advanced computer forensics topics and demonstration and practice in using computer forensics tools to analyze and reconstruct evidentiary data.

Prerequisite: CF 117B.

**CF 250B Mobile Device Forensics 4 (3,2,0,0)**

This course provides the fundamental knowledge and skills needed to investigate data that can be found on basic cell phones, smart-phones, and GPS devices. It includes lecture on mobile device forensics topics as well as demonstration and practice in using mobile device forensic tools to extract and analyze evidentiary data.

Prerequisite: CF 117B.

**Chemistry****CHEM 103 Preparatory Chemistry 3 (3,0,0,0)**

Serves as a preparation for CHEM 121. Introduces general principles and terminology in chemistry to students with poor chemistry backgrounds. Exercises aimed at developing problem solving skills. Students should have taken or have concurrent enrollment in MATH 126 or higher to prepare for General Chemistry I.

Prerequisite: MATH 096 or 124 or higher.





**CHEM 105 Chemistry, Man and Society 3 (3,0,0,0)**

A survey of basic ideas in chemistry for non-science majors. Explores chemistry at work in everyday life. Investigates structure and change in the real world.

**CHEM 106 Beginning Chemistry Laboratory 1 (0,3,0,0)**

Laboratory exercises designed to illustrate material discussed in CHEM 105. May be used in partial fulfillment of the General Education Core requirement.

Prerequisite: CHEM 105 (or concurrent enrollment in CHEM 105).

**CHEM 107 Food Chemistry 4 (3,3,0,0)**

An introduction to composition of food including water, nutrients (carbohydrates, proteins, fats), food additives, flavoring and the changes they undergo during processing and storage. Using concepts of the scientific method, students will also examine the chemistry of minerals, vitamins and food coloring and explore the interaction of these items in the human body. This course is designed for non-science majors with little or no background in chemistry.

**CHEM 108 Introduction to Chemistry 4 (4,0,0,0)**

Survey of elementary principles of general chemistry, organic chemistry, and biochemistry, and their application to living systems. For non-science majors and students majoring in nursing and allied health.

Prerequisite: High school chemistry or Instructor approval.

**CHEM 110 Chemistry for Health Sciences I 4 (3,3,0,0)**

Survey of general chemistry designed for Allied Health majors and non-science majors. Emphasis on the foundation needed for the study of organic and biochemistry.

Prerequisite: MATH 120 or 124 or above.

**CHEM 111 Chemistry for Health Sciences II 4 (3,3,0,0)**

Survey of organic and biochemistry designed for Allied Health majors, and non-science majors. Application of chemical principles leading to an understanding of how living organisms function.

Prerequisite: CHEM 110.

**CHEM 121 General Chemistry I 4 (3,3,0,0)**

An investigation of the fundamental structure of matter and chemical terminology. Introduces topics such as solution chemistry, thermochemistry and gas laws. Designed for science and pre-professional majors. Students enrolled in CHEM 121 should have taken or have concurrent enrollment in MATH 127 or MATH 128.

Prerequisite: CHEM 103 or 110; or a passing score on the Chemistry Placement Exam.

**CHEM 122 General Chemistry II 4 (3,3,0,0)**

An application of chemical principles to inorganic systems. Emphasis on thermodynamics, equilibrium and kinetics.

Prerequisite: CHEM 121; and MATH 127 or 128.

**CHEM 220 Introductory Organic Chemistry 4 (3,3,0,0)**

Introduction to the properties of organic functional groups and to elementary laboratory techniques.

Prerequisite: CHEM 111 or CHEM 122.

**CHEM 241 Organic Chemistry I 4 (3,3,0,0)**

Intensive introduction to the chemistry of carbon and its functional groups, including the structure and behavior of its molecules.

Laboratory emphasis is on natural processes.

Prerequisite: CHEM 122.

**CHEM 242 Organic Chemistry II 4 (3,3,0,0)**

Continuation of CHEM 241, covering simple and poly-functional compounds, with emphasis on syntheses of organic molecules.

Laboratory emphasis on natural processes and qualitative analysis.

Prerequisite: CHEM 241.

**CHEM 292 Selected Topics in Chemistry 1-4 (0,3-12,0,0)**

Covers selected topics of interest to students in chemistry.

Prerequisite: CHEM 122 and Instructor approval.

**Chinese****CHI 101B Conversational Chinese I 3 (3,0,0,0)**

A course emphasizing spoken communication. Speaking skills, oral listening skills, reading and writing skills explored. A vocabulary of Chinese-English words developed.

**CHI 102B Conversational Chinese II 3 (3,0,0,0)**

A continuation of CHI 101B, Conversational Chinese I.

Prerequisite: CHI 101B.

**CHI 111 First Year Chinese I 4 (4,0,0,0)**

The development of language skills in listening speaking and writing. Oral emphasis.

**CHI 112 First Year Chinese II 4 (4,0,0,0)**

A second semester course designed to continue and improve skills learned in CHI 111.

Prerequisite: CHI 111.

**CHI 211 Second Year Chinese I 3 (3,0,0,0)**

A continuation of CHI 112 and intended for non-native Chinese speakers who wish to study Chinese including listening, speaking, reading, and writing.

Prerequisite: CHI 112.



**CHI 212 Second Year Chinese II 3 (3,0,0,0)**

A continuation of CHI 211 and includes structural review and development of the intermediate level of conversation, reading, and writing.

Prerequisite: CHI 211.

### Computing and Information Technology

**CIT 095 Personal Computer Basics 3 (3,0,0,0)**

This course provides a hands-on, activity based learning experience that covers computer terminology, working with files, and protecting against computer viruses. It explores the Internet, teaches how to email and share pictures via email, and how to do searches. Students will create a document with word processing software and a basic budget with spreadsheet software. An overview of other computer applications such as data bases and presentations will be included. Graded Pass/Fail.

**CIT 112B Network+ 3 (3,0,0,0)**

Course teaches knowledge and skills required to troubleshoot, configure, and manage common network wireless and wired devices. Major topics include establishing basic network design and connectivity, understanding and maintaining network documentation, identifying network limitations and weaknesses, and implementing network security, standards, and protocols. Course prepares students for the CompTIA Network+ certification exam.

**CIT 114B IT Essentials 4 (3,2,0,0)**

Course teaches knowledge and skills required to assemble and maintain personal computers and peripheral devices. Major topics include assembling components, installing software, connecting to networks, troubleshooting and repair, customer support, imaging and virtualization. Assists student preparation for CompTIA A+ certification. Course content is a combination of content from former CIT 110 and CIT 111 courses.

**CIT 118B Network Security Management 3 (3,0,0,0)**

Students will learn about network and information security management topics, including Information Security Common Body of Knowledge (ISCBK), threat techniques, and protective techniques through a technical approach. Risk analysis, contingency planning, categories of security devices, password techniques, encryption, network protocol, and intercept devices are emphasized as part of the appropriate ISCBK domain.

**CIT 119B Business Data Networks 3 (3,0,0,0)**

This is an introductory course that looks at various types of data networks used in many organizations. The students will learn about LANs, WANs, OSI and TCP/IP models, IP addressing, dial-up devices, security, network applications, and network management.

**CIT 130 Beginning Java 3 (3,0,0,0)**

An introduction to the Java programming language. Covers the language's control structures, Object Oriented Concepts, simple graphical displays, file input/output, and error handling.

Prerequisite: IS 115 or Instructor approval.

**CIT 131 Beginning C Programming 3 (3,0,0,0)**

An introduction to the C programming language. Topics will include C data types, input, output, operators, decision and looping statements, functions, and the C library.

Prerequisite: IS 115 or Instructor approval.

**CIT 132 Beginning Visual Basic 3 (3,0,0,0)**

An introduction to the Visual Basic.NET programming language. Topics will include problem solving, Visual Basic.NET Objects, control structures, input, output, events, methods, functions, and display of data.

Prerequisite: IS 115 or Instructor approval.

**CIT 133 Beginning C++ 3 (3,0,0,0)**

An introduction to the C++ programming language. Topics will include C++ data types, input, output, operators, decision and looping statements, functions and classes.

Prerequisite: IS 115 or Instructor approval.

**CIT 134B Beginning C# Programming 3 (3,0,0,0)**

An introduction to the C# programming language. Use of the C# programming language for solving problems. Covers C#'s control structures, Object Oriented Concepts, simple graphical displays, file input/output, and error handling.

Prerequisite: IS 115 or Instructor approval.

**CIT 137B Special Topics - Programming Language 3 (3,0,0,0)**

Special topics course that explores a programming language at an introductory level. Topics will include the language's data types, input, output, operators, decisions and looping statements, functions and other topics specific to the language. This course may be repeated by students who wish to explore up to three different languages, for a maximum of 9 credits.

Prerequisite: IS 115 or Instructor approval.

**CIT 151 Beginning Web Development 3 (3,0,0,0)**

An introduction to the creation and styling of websites using HTML and CSS. Websites will include text, graphics, and multimedia.

Prerequisite: IS 100B or 101; or Instructor approval.



**CIT 152      Web Script  
Language Programming      3 (3,0,0,0)**

An introduction to client-side scripting to control the appearance and capabilities of webpages. JavaScript will be used to improve navigation of web sites, to validate data submitted in through forms, to add functionality to web pages, and to improve the user experience. A discussion of libraries, such as JQuery, will be included.

Prerequisite: IS 115 and CIT 151; or Instructor approval.

**CIT 154B      Dynamic Web Applications      3 (3,0,0,0)**

Hands-on exploration of Web applications such as wikis, blogs, syndication methods, podcasting, social networking, virtual worlds, online video and image sharing, and web based office applications. In-depth examination of these increasingly pervasive Web 2.0 applications and of their implications and potential for many career fields. Students projects showcased in electronic portfolios (optional).

Prerequisite: IS 100B or 101; or Instructor approval.

**CIT 160      Introduction to  
Computer Security      3 (3,0,0,0)**

Principles and practices of protecting valuable data from loss, corruption and compromise. Emphasis on the needs of home computer users and small businesses. Topics include data backup, risk assessment, network and internet security and e-commerce.

Prerequisite: IS 100B or 101; or Instructor approval.

**CIT 173      Introduction to Linux      3 (3,0,0,0)**

An introduction to the Linux Operating System. Topics include Linux origins, file system, user commands and utilities, graphical user interfaces, editors, manual pages and shells. Students are expected to have basic computer literacy prior to enrolling in this course.

**CIT 174      Linux System Administration      3 (3,0,0,0)**

This course covers a variety of topics: installing and configuring a Linux Server, managing users and groups, securing the system and much more. Students should complete CIT 173 or have a knowledge of Linux fundamentals before attending this course.

**CIT 176      Linux Shell Programming      3 (3,0,0,0)**

An introduction to the Linux shell, shell scripts, shell programming, and utilities. Topics will include the Linux Bash, Korn, and C shells; regular expressions; and grep, sed, and awk utilities. Students will learn to automate system administration tasks with shell scripts, programs, and Linux utilities.

**CIT 180      Database Concepts and SQL      3 (3,0,0,0)**

Basic principles of data modeling and relational database design. Hands-on learning of Structured Query Language (SQL).

Prerequisite: IS 115 or Instructor approval.

**CIT 181      Introduction to Oracle      3 (3,0,0,0)**

The fundamentals of the Oracle software system. It will include hands-on experience with Oracle's implementation of SQL, its procedural extension of SQL (PL/SQL), and its development tools, such as SQL\*Plus and Oracle Application Express.

Prerequisite: CIT 180 or Instructor approval.

**CIT 183      Database Administration      3 (3,0,0,0)**

An introduction to the primary responsibilities of a database administrator. Learn to install a DBMS, such as SQL Server or Oracle; to manage database objects to monitor performance; to manage data storage; to oversee database security and user access; to ensure database connectivity; and to plan for backup and recovery.

Prerequisite: CIT 180 or Instructor approval.

**CIT 184      Oracle PL/SQL  
Programming I      3 (3,0,0,0)**

The basics of writing Oracle PL/SQL program units. PL/SQL primitive data types, control structures, cursors, procedures, functions, packages, and triggers will be covered.

Prerequisite: CIT 180 or Instructor approval.

**CIT 201B      Word Certification  
Preparation      3 (3,0,0,0)**

Comprehensive coverage of basic and advanced features of Microsoft Word including, but not limited to, the set of skills on the Microsoft's certification exams for Word.

Prerequisite: IS 100B or IS 101.

**CIT 202B      Excel Certification  
Preparation      3 (3,0,0,0)**

Comprehensive coverage of basic and advanced features of Microsoft spreadsheet software including, but not limited to, the set of skills on Microsoft's certification exams for Excel.

Prerequisite: IS 100B or IS 101.

**CIT 203B      Access Certification  
Preparation      3 (3,0,0,0)**

Comprehensive coverage of basic and advanced features of database management software including, but not limited to, the set of skills on Microsoft's certification exams for Access.

Prerequisite: IS 115 or Instructor approval.

**CIT 211      MCITP/MCTS Windows  
Workstation OS      3 (3,0,0,0)**

The Core A Operating systems course prepares student to prove their expertise with desktop, server and networking components. Core A consists of the required areas of study mandated by Microsoft for their MCITP/MCTS certification in a client operating system. Students should have basic computer skills.



**CIT 212 MCITP/MCTS  
Windows Server OS 3 (3,0,0,0)**

The Core B Advanced Operating systems course prepares students to prove their expertise with server operating systems and networking components. Core B consists of the required areas of study mandated by Microsoft to complete their MCITP/MCTS requirements. Students should have basic computer skills.

**CIT 213 MCITP/MCTS  
Network Infrastructure 3 (3,0,0,0)**

The Core C operating systems course prepares student to prove their expertise with desktop, server and networking components. Core C consists of the required areas of study mandated by Microsoft in order to complete their MCITP or MCTS certification requirements.

Prerequisite: CIT 112B.

**CIT 214 MCITP Application  
Infrastructure 3 (3,0,0,0)**

The Core D course prepares students to prove their expertise with desktop, server and networks. This course consists of the required areas of study mandated by Microsoft in order to complete their MCITP Enterprise Administrator core requirements.

Prerequisite: CIT 112B.

**CIT 215 MCITP Active Directory 3 (3,0,0,0)**

This course prepares students to prove their expertise with desktop, server and networks. This course consists of the required areas of study mandated by Microsoft in order to complete their MCITP core requirements.

Prerequisite: CIT 112B.

**CIT 216 Server+ 3 (3,0,0,0)**

An intense class to prepare mid- to upper-level technicians, responsible for server hardware functionality, to take the CompTIA Server+ certification exam. The Server+ certification credential validates advanced-level technical competency of server issues and technology, including installation, configuration, upgrading, maintenance, troubleshooting, and disaster recovery. Students will learn how to install, configure, diagnose, and troubleshoot server hardware and network operating systems.

Prerequisite: CIT 112B Network+ or associated certification.

**CIT 217 Security+ 3 (3,0,0,0)**

The purpose of this class is to prepare professionals with at least two years of networking experience and who possess a thorough knowledge of TCP/IP to take and pass the CompTIA Security+ certification exam. Topics will include general security concepts, communications security, infrastructure security basics of cryptography, and operational/organizational security.

Prerequisite: CIT 112B or associated certifications.

**CIT 218 Microsoft Special Topics 3 (3,0,0,0)**

Special topics on computers and networking equipment, OS, and administration will be covered. This course is designed specifically for students pursuing MCITP or MCTS certifications or for those desiring additional learning after achieving a Microsoft Advanced Certification. This course can be repeated to a maximum of 9 credits with different topics.

Prerequisite: CIT 112B or Instructor approval.

**CIT 222B Information Storage  
Management 3 (3,0,0,0)**

Course teaches the architectures, features, and benefits of intelligent storage systems; storage networking technologies such as FC SAN, IP SAN, NAS, and object-based and unified storage; business continuity solutions such as backup and replications; information security and management; and Cloud computing. Prepares students for EMC certification.

Prerequisite: CIT 112B and 211.

**CIT 230 Advanced Java 3 (3,0,0,0)**

An advanced course in the Java programming language. Provides specific examples of applications for which Java is designed.

Prerequisite: CIT 130 or Instructor approval.

**CIT 231 Advanced C Programming 3 (3,0,0,0)**

An advanced course in the C programming language. Topics will target problem solving using advanced methods in C including structures, arrays, pointers, sequential and direct access files in the C language.

Prerequisite: CIT 131 or Instructor approval.

**CIT 232 Advanced Visual Basic 3 (3,0,0,0)**

A continuation of CIT 132. Advanced program structures in Visual Basic.NET. Topics will include accessing external data and development of classes and other applications for which Visual Basic.NET is designed.

Prerequisite: CIT 132 or Instructor approval.

**CIT 233 Advanced C++ 3 (3,0,0,0)**

Advanced data structures and program structures in C++ language. Larger programs and special examples illustrating applications C++ was designed for.

Prerequisite: CIT 133; or CS 135; or Instructor approval.

**CIT 234 Advanced C# Programming 3 (3,0,0,0)**

An advanced course in the C# programming language. Topics will include more advanced features of the language including dynamic data structures, reusable data structures, and use of existing collections.

Prerequisite: CIT 134B or Instructor approval.





**CIT 238B Introduction to Smartphone Application Development 3 (3,0,0,0)**

This course introduces the student to smartphone application development. Students will develop applications that will function on smartphones using a software development kit and the object oriented language appropriate to the target smartphone. Students will use simulation programs to test their applications. This course may be repeated once with different topics.

Prerequisite: CIT 130 or other object oriented programming language; and a basic knowledge of the Mac and or Window operating systems.

**CIT 251 Advanced Web Development 3 (3,0,0,0)**

A continuation of CIT 151. It extends student knowledge and skills with HTML and CSS and introduces additional web-related techniques used to make webpages more engaging and more versatile. Extensible Markup Language (XML) will be used introduced as a way to share data among different systems and applications.

Prerequisite: CIT 151 or Instructor approval.

**CIT 252 Web Database Development 3 (3,0,0,0)**

Design and implementation of interactive, data-driven websites that integrate HTML/CSS, a scripting language (Active Server Pages or PHP), and a database.

Prerequisite: IS 115; and CIT 151; or Instructor approval.

**CIT 260 Systems Analysis and Design 3 (3,0,0,0)**

An examination of systems and their elements and processes. Includes techniques used by systems analysts to determine user requirements and the translation of user requirements into design specifications. Students should have programming experience.

**CIT 263B Project Management 3 (3,0,0,0)**

This course introduces students to the concepts of project management and project management software. Students will practice proper project management principles defined by the Project Management Institute in the PMBOK.

Prerequisite: IS 100B or 101; and either ENG 100 or above with a grade of C or higher; or COM 101 or above with a grade of C or higher; or Instructor approval.

**CIT 274B Ethical Hacking 3 (3,0,0,0)**

Course introduces students to concepts of penetration testing to validate security measures and identify vulnerability. Topics include IT security awareness, data confidentiality, data integrity, legislated privacy policies, and individual and institutional liability. Course also explores methods used by intruders to gain the access to computer resources and methods to prevent/reduce vulnerability.

Prerequisite: CIT 112B and 211 both with a grade of C or better.

**CIT 290 Internship in CIT I 1-3 (0,0,0,5-15)**

Supervised work experience within a selected computer and information technology firm or an information systems department in major corporation. Designed by company official and faculty advisor to apply knowledge to on-the-job situation. Available to students entering their last two semesters of instruction for degree. Contact department for application, screening, and required skills evaluation. This course may be repeated once not to exceed a total of 3 credits.

**CIT 291 Internship in CIT II 1-3 (0,0,0,5-15)**

Supervised work experience within a selected computer and information technology firm or an information systems department in major corporation. Designed by company official and faculty advisor to apply knowledge to on-the-job situation. Available to students entering their last two semesters of instruction for degree. Contact department for application, screening, and required skills evaluation. This course may be repeated once not to exceed a total of 3 credits.

Prerequisite: CIT 290.

**CIT 319 Managing Business Data Networks 3 (3,0,0,0)**

The student examines business information processing systems, including a study of the computer's relationship to the overall business information system and its subsystems. The course stresses the development of an overall framework for analyzing the use of information by organizations. Examples are developed to demonstrate the integrative nature of the information systems through the use of case studies and projects.

Prerequisite: CIT 119B or CSCO 120.

**CIT 330 Designing Virtualized Systems 4 (3,2,0,0)**

Teaches students to install, configure, and manage vSphere, and to install a complete virtual network on VMware Workstation consisting of ESXi hosts, a domain controller, a vCenter server, and an iScsi SAN. This course will help prepare for VCA-DCV and VCP-DCV certifications.

Prerequisite: CIT 112B and 211.

**CIT 363 Advanced Project and Earned Value Management 3 (3,0,0,0)**

This course is a study of advanced Project Management techniques and methodology. Topics include: Earned Value Management, Financial Instruments, Standard Industry Codes, Concepts of Accounting Theory, Budget/Proforma, use of MS Project, Excel, Visio, PowerPoint, and Access to develop, track, and present Project Management data for management review.

Prerequisite: CIT 263B.



**CIT 430      Optimizing  
Virtualized Systems                      4 (3,2,0,0)**

Teaches students to design and administer advanced vSphere solutions including storage, networks, data protection, and replication. Students will also learn to design and maintain DRS clusters, manage vSphere performance, and design and manage business continuity.

Prerequisite: CIT 330 with a grade of C or better.

**CIT 431      Open Source  
Virtualized Systems                      4 (3,2,0,0)**

Teaches students to install, configure, administer, and troubleshoot XenServer, an open-source virtual server. Students will learn how to configure a Provisioning Services host, create and manage vDisks, configure the Distributed Virtual Switch (DVS), and Workload Balancing (WLB). Students will also create and manage Windows virtual machines and the resource pools in which they will be placed.

Prerequisite: CIT 330 with a grade of C or better.

**CIT 454      E-Commerce                              4 (3,2,0,0)**

This course provides advanced level instruction in design and implementation of E-Commerce web sites as used in today's businesses. Topics covered will include how HTML, web scripting, and online databases are used together to create a dynamic and personalized experience for customers of web based businesses.

Prerequisite: CIT 180 with a grade of C or better.

**CIT 470      Information Systems  
Auditing                                      4 (3,2,0,0)**

This course covers the body of knowledge required for Information Systems Auditors. The processes, procedures, and requirements to protect, control, and assure accountability are discussed. Understanding of acquisition and development processes that meet current industry standards are presented. This course will prepare the student to take the Certified Information Systems Auditor (CISA) certification exam.

Prerequisite: CIT 263B with a grade of C or better.

**Clinical Laboratory Science****CLS 130B      Laboratory Procedures for  
Medical Office Assistants              2 (2,0,0,0)**

This course introduces theory and fundamentals of laboratory procedures for personnel working in a physician's office, including clinical significance of laboratory results.

**CLS 131B      Applied Laboratory  
Procedures for Medical  
Office Assistants                          1 (0,3,0,0)**

Practical application of laboratory procedures for personnel working in a physician's office.

Corequisite: CLS 130B.

**CLS 151      Phlebotomy                                  2 (2,0,0,0)**

Study of blood collection methods, with emphasis on patient preparation and identification, sample collection, and selected diagnostic tests performed in the clinical laboratory.

**CLS 152      Applied Phlebotomy                      2 (0,6,0,0)**

Supervised practice of blood collection methods routinely used to collect patient samples for diagnostic testing.

Corequisite: CLS 151.

**CLS 153      Phlebotomy  
Clinical Practicum                          2 (0,0,8,0)**

A clinical rotation in blood collection and specimen processing techniques.

Prerequisite: CLS 151 and 152.

**CLS 161      Urinalysis and Body Fluids              1 (1,0,0,0)**

Theory and practical application of the analysis of urine and other body fluids.

Prerequisite: Acceptance into CLS program.

**CLS 162      Applied Urinalysis  
and Body Fluids                              1 (0,3,0,0)**

Analysis of urine and other body fluids with emphasis on chemical, macroscopic, and microscopic methodologies.

Corequisite: CLS 161.

**CLS 241      Clinical Chemistry I                        3 (3,0,0,0)**

This course covers basic principles of methodology in clinical chemistry: physiologic biochemistry, specimen collection, differentiation of normal and abnormal test results, special precautions and troubleshooting of test procedures, validation of reliability and correlation with other laboratory tests.

Prerequisite: Acceptance into program and CHEM 111.

**CLS 242      Applied Clinical  
Chemistry I                                      2 (0,6,0,0)**

This course covers specimen collection and processing of carbohydrates, proteins, lipids, heme derivatives, nitrogen, enzymes, blood pH and gases, electrolytes, vitamins, hormones and drugs; liver function tests, analytical instrumentation and quality control.

Corequisite: CLS 241.

**CLS 251      Immunology/  
Immunoematology I                        2 (2,0,0,0)**

An overview of the immune response with emphasis on serological principles used in the laboratory diagnosis of disease processes. Identification of blood group antigens and antibodies and their clinical significance in transfusion therapy.

Prerequisite: Acceptance into program and CHEM 111.





**CLS 252 Applied Immunology/  
Immunoematology I 2 (0,6,0,0)**

The following serological and immunoematological laboratory procedures are covered: grouping, typing, compatibility testing, pregnancy testing, titers, cold agglutinins, quality control.

Corequisite: CLS 251.

**CLS 261 Clinical Microbiology  
for Dental Professionals 2 (2,0,0,0)**

An introduction to clinical microbiology with emphasis on microbial diseases of dental origin and diseases with secondary oral manifestations.

Corequisite: CLS 262.

**CLS 262 Applied Clinical Microbiology  
for Dental Professionals 1 (0,3,0,0)**

A laboratory course emphasizing isolation and identification of pathogenic bacteria, through the use of conventional and commercial methods, microscopic techniques, and serological tests. Specimen collection and processing of microbiological samples will also be addressed.

Corequisite: CLS 261.

**CLS 265 Laboratory Operations I 1 (1,0,0,0)**

Introduction to clinical laboratory sciences including laboratory safety, professional ethics, fundamental laboratory calculations, quality assessment, laboratory information systems, and correlation of laboratory data in patient care.

Prerequisite: Acceptance into MLT/MLS program.

**CLS 271 Clinical Microbiology I 3 (3,0,0,0)**

The study of microorganisms of medical importance to man. Includes characteristics, medical significance and identification of bacteria, mycobacteria, viruses, fungi and parasites.

Prerequisite: Acceptance into CLS program.

**CLS 272 Applied Clinical  
Microbiology I 2 (0,6,0,0)**

Specimen collection and processing. Isolation and identification of pathogenic bacteria, through the use of conventional and commercial methods, microscopic techniques and serological tests.

Corequisite: CLS 271.

**CLS 291 Hematology I 2 (2,0,0,0)**

Development, identification and function of cellular and humoral elements in whole blood. Principles of laboratory assays used in determining the existence and diagnosis of hematologic disorders.

Prerequisite: Acceptance into program and CHEM 111.

**CLS 292 Applied Hematology I 2 (0,6,0,0)**

Slide preparation and staining; manual and automated assays of whole blood components; cell identification; coagulation tests and special hematology procedures.

Corequisite: CLS 291.

**CLS 294 Clinical Practicum I 2 (0,0,6,0)**

A clinical rotation in clinical microbiology.

Prerequisite: CLS 272.

**CLS 295 Clinical Practicum II 2 (0,0,8,0)**

A clinical rotation in chemistry, urinalysis, and body fluids.

Prerequisite: CLS 162 and 242.

**CLS 296 Clinical Practicum III 4 (0,0,12,0)**

A clinical rotation in hematology, coagulation, immunology, and immunoematology.

Prerequisite: CLS 252 and 292.

**CLS 361 Urinalysis and Body Fluids II 2 (2,0,0,0)**

Advanced studies in body fluid analysis for the clinical laboratory. Emphasis on the compilation of analytical results; evaluation of data for clinical application; and assessment of quality assurance systems for the analysis of urine and other body fluids.

Prerequisite: CLS 161 and 162

**CLS 365 Laboratory Operations II 1.5 (1.5,0,0,0)**

Theory and practice of fiscal/personnel management of laboratory practitioners. Assay implementation, government regulatory and accreditation policies. Applications of basic educational methods for laboratory personnel.

Prerequisite: CLS 265.

**CLS 446 Clinical Chemistry II 2 (2,0,0,0)**

Advanced study of chemical analysis of blood, urine and other body fluids in normal and abnormal physiological conditions. Topics include endocrinology, toxicology and special procedures.

Prerequisite: CLS 242.

**CLS 447 Applied Clinical Chemistry II 1 (0,3,0,0)**

Advanced laboratory applications in chemical analysis of blood, urine and other body fluids in normal and abnormal physiological conditions. Topics include endocrinology, toxicology and special procedures.

Corequisite: CLS 446.

**CLS 448 Hematology II 2 (2,0,0,0)**

Diagnostic hematology and body fluid analysis, with advanced study of anemias, leukemias, myeloproliferative and myelodysplastic disorders, and advanced topics in hemostasis.

Prerequisite: CLS 292.



**CLS 449 Applied Hematology II 1 (0,4,0,0)**

Diagnostic hematology and body fluid analysis with emphasis on laboratory testing and molecular markers used to differentiate/diagnose various hematologic malignancies and hemostasis disorders.

Corequisite: CLS 448.

**CLS 456 Immunology/Immunochemistry II 2 (2,0,0,0)**

Study of advanced principles of immunology and the identification of clinically significant blood group antigens and antibodies in transfusion medicine.

Prerequisite: CLS 252.

**CLS 457 Applied Immunology/Immunochemistry II 1 (0,4,0,0)**

Applied laboratory procedures in immunologic and molecular techniques used to analyze antigen-antibody reactions in the diagnosis of health or disease. Includes advanced immunochemical procedures.

Corequisite: CLS 456.

**CLS 476 Clinical Microbiology II 2 (2,0,0,0)**

Advanced study of pathogenic microorganisms. Emphasis on fungal, parasitic, viral, mycobacterial diseases as well as normal and pathogenic bacteria from specific body sites.

Prerequisite: CLS 272.

**CLS 477 Applied Clinical Microbiology II 1 (0,4,0,0)**

Advanced practical applications used in recovery, isolation and identification of pathogenic microorganisms. Includes fungi, parasites, mycobacteria, viruses and miscellaneous bacteria.

Corequisite: CLS 476.

**CLS 478 Research Methods 2 (2,0,0,0)**

Study of basic research concepts and principles aimed at equipping students with skills and tools for systematic investigation in health sciences and writing of research proposals.

Prerequisite: ECON 261 and CLS 477.

**CLS 486 CLS Clinical Chemistry Review 1.5 (1.5,0,0,0)**

Comprehensive review of clinical chemistry for Clinical Laboratory Science.

Prerequisite: Admission to CLS program or Instructor consent.

**CLS 487 CLS Hematology Review 1.5 (1.5,0,0,0)**

Comprehensive review of Hematology for Clinical Laboratory Science.

Prerequisite: Admission to CLS program or Instructor consent.

**CLS 488 CLS Immunology/Immunochemistry Review 1.5 (1.5,0,0,0)**

Comprehensive review of Immunology and Immunochemistry for Clinical Laboratory Science.

Prerequisite: Admission to CLS program or Instructor consent.

**CLS 489 CLS Clinical Microbiology Review 1.5 (1.5,0,0,0)**

Comprehensive review of Clinical Microbiology for Clinical Laboratory Science.

Prerequisite: Admission to CLS program or Instructor consent.

**CLS 490 CLS General Laboratory & Urinalysis Review 1.5 (1.5,0,0,0)**

Comprehensive review of laboratory operations and Urinalysis for Clinical Laboratory Science.

Prerequisite: Admission to CLS program or Instructor consent.

**CLS 491 Clinical Practicum - Chemistry 4 (0,0,12,0)**

Clinical rotation in Clinical Chemistry. Designed to gain applied experiences and develop entry-level competencies as a Medical Laboratory Scientist.

Prerequisite: CLS 447.

**CLS 493 Clinical Practicum - Immunology/Immunochemistry 4 (0,0,12,0)**

Clinical rotation in Immunology/Immunochemistry. Designed to gain applied experiences and develop entry-level competencies as a Medical Laboratory Scientist.

Prerequisite: CLS 457.

**CLS 495 Clinical Practicum - Microbiology 4 (0,0,12,0)**

Clinical rotation in Microbiology. Designed to gain applied experiences and develop entry-level competencies as a Medical Laboratory Scientist.

Prerequisite: CLS 477.

**CLS 497 Clinical Practicum - Hematology 4 (0,0,12,0)**

Clinical rotation in Hematology. Designed to gain applied experiences and develop entry-level competencies as a Medical Laboratory Scientist.

Prerequisite: CLS 449.



## Communication

### COM 101 Oral Communication 3 (3,0,0,0)

Theory and practice in extemporaneous speaking and other prepared speaking experiences.

### COM 101H Oral Communication - Honors 3 (3,0,0,0)

Theory and practice in spoken communication and other speaking experiences. Honors addresses a greater body of research and focuses on a required theme. Honors-level courses can be used to fulfill equivalent general education requirements.

Prerequisite: Admission to the Honors program.

### COM 102 Introduction to Interpersonal Communication 3 (3,0,0,0)

Theory and practice in effective interpersonal communication with written and real world applications. Topics may include perception, using verbal and nonverbal symbols, listening, self-disclosure, interpersonal conflict, developing and maintaining relationships.

Prerequisite: ENG 100 or 101 or 113.

### COM 115 Applied Communication 3 (3,0,0,0)

Emphasis placed on improving oral and written communication skills in the workplace, including organizational networks, interviewing, presentations, listening and groups. Culture and personality are analyzed.

### COM 116 Critical Reasoning in Daily Life 3 (3,0,0,0)

Theory and practice of critical reasoning applied to a variety of everyday communication forms, including arguments, narratives, advertisements, visual media, protests, performances, and public space.

### COM 133 Culture and Communication 3 (3,0,0,0)

Introduction to theory, analysis and practice in understanding culture and its impact on communication. Emphasis on the use of cultural awareness and multicultural sensitivity to improve oral and written communication skills. (Same as ANTH 133.)

### COM 180 Cinema as Art and Communication 3 (3,0,0,0)

A survey of cinema in its diverse forms. Historical and stylistic influences on the aesthetic values and implications of cinema. The course focuses on writing about film from various perspectives. Research of peer reviewed journal articles is a focus. Illustrated by screen examples.

### COM 196 Internship 1-3 (0,0,0,1-3)

A supervised workshop experience in a local television studio, radio station, newspaper, advertising agency, public relations firm or any other organization relating to communication. Can be repeated for a total of 6 credits.

Prerequisite: Approval of the station, newspaper, agency or firm where internship will be completed; and approval from the Department of Communication Internship Coordinator.

### COM 203 Advanced Public Speaking 3 (3,0,0,0)

Theory and practice in extemporaneous speaking and other prepared speaking experiences. Emphasis on advanced delivery and research skills for public speaking.

### COM 211 Survey of Rhetorical Studies 3 (3,0,0,0)

Survey of historical development of various rhetoric canons, concepts, and perspectives beginning with ancient Greek and Roman rhetoric and concluding with contemporary discourse and rhetorical theory.

### COM 215 Introduction to Group Communication 3 (3,0,0,0)

Theory and practice in small group communication. Emphasis placed on discussion, problem solving, group roles, conflict management, and leadership.

### COM 216 Survey of Communication Studies 3 (3,0,0,0)

Survey and analysis of the concepts, principles, and values of human communication grounded in communication theory and practice.

### COM 217 Argumentation and Debate 3 (3,0,0,0)

Theory and practice in oral argumentative discourse. Emphasis placed on developing reasoning skills, critical thinking, preparing and presenting oral arguments within discussions and debates.

Prerequisite: COM 101.

### COM 288 Careers in Communication 3 (3,0,0,0)

This course is designed to introduce Communication majors to the job search process in the field of Communication. Emphasis is placed on personality assessment, interviewing skills, and drafting job search documents.

### COM 299 Special Topics in Communication 1-4 (1-4,0,0,0)

Investigates a special topic and/or area of interest within the field of Communication Studies. May be repeated for up to 6 credits.

### COM 340 Cross Cultural Communication in Health Care 3 (3,0,0,0)

Emphasis on multicultural differences within the health care systems. Focus on recognition of various cultural beliefs and attitudes in professional communication. Overview of cross-cultural theoretical perspectives.

Prerequisite: Admission to Dental Hygiene Bachelor of Science Degree Program.



## Construction Management

### **CONS 108B Construction Materials and Methods 3 (3,0,0,0)**

This course will cover building materials used for the interior and exterior environment of sustainable and non-sustainable construction. Proper methods of installation will be discussed.

### **CONS 110B Introduction to Sustainable Construction 3 (3,0,0,0)**

This course is designed to help student comprehend and apply fundamentals of sustainable construction practices with emphasis placed on the development and proper use of the Energy Conservation and Green Construction Codes.

### **CONS 111B Commercial Building Codes (IBC) 4 (4,0,0,0)**

A basic course designed to introduce the International Building Code, with emphasis placed on the development and proper use of the commercial building codes.

### **CONS 113B Residential Codes (IRC) 4 (4,0,0,0)**

A basic course designed to introduce the International Residential Code, with emphasis placed on the development and proper use of residential building, mechanical, plumbing, and electrical code requirements.

### **CONS 120B Construction Plans and Specifications 3 (3,0,0,0)**

A study of the fundamental language utilized in construction drawings. Emphasis will be placed on residential and light commercial plans.

### **CONS 185B Lean Construction 3 (3,0,0,0)**

This course is designed to advance the students' understanding of lean fundamentals and the impact it will have in the construction industry.

### **CONS 205B Construction Site Safety 2 (2,0,0,0)**

This course covers 30-hours of authorized training addressing the 29 CFR 1926 OSHA Construction Industry Regulation Standards and upon completion, students will receive a certificate from the U.S. Department of Labor's Occupational Safety and Health Administration.

### **CONS 282B Construction Law 3 (3,0,0,0)**

Items covered in this course include construction contracts and documents, specifications, contract formation, interpretation, arbitration, professional ethics, Nevada contractor lien laws, construction bonds and contractor's liabilities, rights and duties.

### **CONS 285B Construction Estimating and Scheduling 4 (3,3,0,0)**

Advanced estimating and scheduling concepts for residential and commercial projects. The critical path scheduling method will be used.

Prerequisite: CONS 120 and CONS 185; and either IS 100B or IS 101; and MATH 104B or 124 or 126.

### **CONS 286B Construction Management and Analysis 3 (3,0,0,0)**

Introduction to management theory and techniques with applications to construction problems, management principles and methods of applying this knowledge to the modern construction industry.

Prerequisite: CONS 108B and 185B and 282B; and either ENG 100 or 101 or 113.

### **CONS 288B Quality Control of Construction Waste 3 (3,0,0,0)**

This course will provide a general overview of the hazardous materials management industry, with emphasis on hazardous materials, hazardous waste, laws and regulations, and its effects on the environment and worker health and safety. (Same as WWT 110B.)

### **CONS 299B Construction Capstone Course 3 (2,3,0,0)**

This capstone course will assess the student's comprehension of the Construction Management program to include: construction estimating, law, management materials, plan review, and sustainable construction. Graded Pass/Fail.

Prerequisite: COM 115 or ENG 102 or Program Director approval.

## Computer Office Technology

### **COT 101B Computer Keyboarding I 3 (3,0,0,0)**

Mastery of computer alpha-numeric keyboard and introduction of 10-key pad. Not for students who have previously had typing.

### **COT 102 Computer Keyboarding II 3 (3,0,0,0)**

Formatting of letters, memos, and other office documents. Introduction to word processing. Students should be able to type 25 wpm.

### **COT 103B Keyboarding Review and Speed 1 (0,2,0,0)**

Emphasis on speed building techniques. May be repeated for a maximum of three credits.

### **COT 108 Speedwriting Shorthand I 3 (3,0,0,0)**

Complete theory of alphabetic shorthand – abbreviated longhand. Beginning dictation and transcription practice. Used for taking lecture notes or general office dictation.



**COT 109B Speedwriting Shorthand II 3 (3,0,0,0)**

Dictation and transcription for speed development. Reinforcement of theory through extensive repetitive use of common words, phrases, and shortcuts. Spelling and punctuation emphasis for mailable letters.

**COT 127B Microsoft Office for Offices 3 (3,0,0,0)**

Includes the beginning features of Word, Excel, Access, and PowerPoint, the main programs in Microsoft Office. Emphasis on crediting and editing office documents.

**COT 129B Records Management 3 (3,0,0,0)**

Introduction to filing principles and rules, equipment and supplies, filing systems (alphabetic, numeric, etc.), records disposition, correspondence control, information retrieval, and records storage.

**COT 132B Outlook for Offices 1 (1,0,0,0)**

Explores the features of the Microsoft Office Outlook program including Outlook e-mail, address books, distribution lists, calendar, Outlook Security, and setting up meetings.

**COT 200 Word Processing I 3 (3,0,0,0)**

Includes creating, formatting, and revising documents using the basic features of a word processing program. Focuses on proofreading and using a reference manual for grammar, format, and style. Students should be able to type 40 wpm.

**COT 201B Word Processing II 3 (3,0,0,0)**

Includes creating, formatting, and revising documents using the intermediate features of a word processing program. Focuses on proofreading and document preparation.

Prerequisite: COT 102 and 200.

**COT 205B Pads & Tabs - Office on the Go 3 (3,0,0,0)**

Introduction to an Apple iPad or similar device (provided in class). Current office applications, Internet, communication, contact/calendar, and remote access will be covered.

**COT 208B Tablet Computer, Voice and Handwriting 1 (1,0,0,0)**

Includes the basics of a Tablet computer, voice recognition and handwriting recognition, and creation and edition of documents and emails.

**COT 209B Tablet Computer, Voice and Handwriting II 3 (3,0,0,0)**

Covers more about Tablet computers and their capabilities, techniques, and shortcuts. Improve voice and handwriting recognition skills to create and edit documents and emails and perform Internet tasks. Use other current programs for note taking and reminders.

**COT 213B Business Professionalism 1 (1,0,0,0)**

A capstone course that includes creating and editing text by using a computer keyboard, voice recognition, or handwriting recognition in a word processing program. Review and edit document content using critical thinking skills.

Prerequisite: BUS 106B; and COT 102 and 127B and 200 and 201B.

**Counseling and Personal Development****CPD 116 Substance Abuse: Fundamental Facts and Insights 3 (3,0,0,0)**

Overview of how involvement with alcohol, tobacco and other drugs can affect health, personal and social development. Related social, philosophical, cultural, prevention and treatment issues.

**CPD 117 Introduction to Counseling 3 (3,0,0,0)**

Provides students with interviewing and basic counseling skills. Discusses confidentiality and ethics. Includes experiential role play.

**CPD 120 Treatment Planning and Case Management 2 (2,0,0,0)**

Provides working knowledge of intake, assessment, planning, implementation, evaluation, and proper documentation of various mental health and other community services, including legal and confidentiality requirements.

Prerequisite: CPD 117; or MHDD 109; or PSY 102.

**CPD 121 Gambling Addiction 3 (3,0,0,0)**

Provides knowledge of gambling addiction. Covers signs and symptoms, historical, cultural and economic perspectives, and treatment.

Prerequisite: PSY 101 or CPD 116.

**CPD 133 Small Group Interaction - Group Counseling 3 (3,0,0,0)**

Provides fundamental knowledge of group dynamics and observation/application of group counseling skills.

Prerequisite: CPD 117 or PSY 102.

**CPD 134 Women and Substance Abuse Treatment Issues 3 (3,0,0,0)**

Provides working knowledge of issues in counseling addicted women. Covers signs and symptoms, historical perspectives, cultural attitudes, family issues, pregnancy, drug affected children and treatment approaches.

**CPD 201 Crisis Communication Skills 3 (3,0,0,0)**

Overview of the types, stages, and interventions involved in crisis situations. Emphasis is on situational assessment, appropriate interventions, communication/counseling skills, and referral/follow-up services for persons in crisis.





**CPD 217      Advanced Counseling  
Techniques for  
Substance Abuse                      3 (3,0,0,0)**

Comprehensive overview of counseling philosophies, concepts, theories and practical treatment approaches appropriate for the substance abuser.

Prerequisite: PSY 101 and CPD 117.

**CPD 218      Family Counseling Issues  
in Substance Abuse                      3 (3,0,0,0)**

Provides knowledge for identifying and assessing substance abuse appropriate for family counseling. Theoretical and practical approaches to family counseling.

Prerequisite: PSY 101 and CPD 117.

**CPD 220      Dual Diagnosis                      3 (3,0,0,0)**

Provides working knowledge of the assessment and treatment of patients with a coexisting mental illness and substance abuse disorder.

Prerequisite: PSY 101 or CPD 116.

**CPD 230      Addiction and Trauma                      3 (3,0,0,0)**

Provides knowledge of the interrelationship between addiction and trauma. Covers diagnostic criteria and includes experiential role-play and practice in counseling skills.

**CPD 254      Bio-Psycho/Social  
Factors in Addiction                      3 (3,0,0,0)**

Theories of alcohol and other drug addictions with emphasis on the signs and symptoms of problematic use as well as methods of assessment and intervention.

Prerequisite: CPD 116.

**CPD 255      Developmental Theories  
and Prevention/  
Education Strategies                      3 (3,0,0,0)**

The impact of addiction on development in children and families, perinatal addiction and fetal alcohol syndrome, and current prevention and education models and services.

Prerequisite: CPD 254.

**CPD 290      Internship in Counseling                      1 (0,0,1,0)**

Supervised counseling work experience with selected community agencies. Up to eight semester hour credits may be earned on the basis of 100 hours of internship for one credit. May be repeated up to eight credits.

Prerequisite: CSN Addiction Program Director approval.

**CPD 291      Substance Abuse  
Counseling Practicum I                      3 (0,0,0,12)**

Substance abuse counseling work experience in a selected community agency. The student works 12 hours per week under agency supervision in the final year. If taken earlier, permission is required by CSN Addiction Program Director.

Prerequisite: CPD 290 or CSN Addiction Program Director approval.

**CPD 292      Substance Abuse  
Counseling Practicum II                      3 (0,0,0,12)**

Further supervised substance abuse counseling work experience in a selected community agency. The student works 12 hours per week under agency supervision in the final semester.

Prerequisite: CPD 290 and 291; or CSN Addiction Program Director approval.

**Computer Engineering**

**CPE 100      Digital Logic Design I                      3 (3,0,0,0)**

Logic gates. Simplification of Boolean functions. Design and testing of combinational and sequential circuits including code converters, multiplexers, adders, and synchronous counters.

Prerequisite: MATH 127 with a grade of C or higher; or MATH 128 with a grade of C or higher; or MATH 181 or above with a grade of C or higher; or SAT math score of 630 or higher; or ACT math score of 28 or higher.

**CPE 100L      Digital Logic Design I  
Laboratory                                      1 (0,3,0,0)**

This laboratory course covers the following experiments: a) Basic logic gates, Boolean algebra and logic simplifications; b) combinational logic circuits and their applications, flip-flops and related devices; c) MSI circuits including multiplexers, decoders; d) binary adders, and asynchronous and synchronous counters.

Prerequisite: CPE 100 (may be taken before or at the same time as CPE 100L).

**CPE 200      Digital Logic Design II                      3 (3,0,0,0)**

Design of sequential circuits, finite state machines (FSMs), and arithmetic circuits. Timing analysis. Use of programmable logic devices (PLDs) and hardware description languages (HDLs). Assembly language.

Prerequisite: CPE 100 with a grade of C or higher.

Corequisite: CPE 200L.

**CPE 200L      Digital Logic  
Design II Laboratory                      1 (0,3,0,0)**

This laboratory course covers design and testing of combinational and sequential logic circuits. Includes synchronous and asynchronous circuits, races, cycles, and hazards, timing considerations; design programmable logic devices (PLD), Design and simulation of a simple arithmetic logic unit; assembly language simulation.

Corequisite: CPE 200.





## Criminal Justice

### **CRJ 103      Communication Within the Criminal Justice Field      3 (3,0,0,0)**

Prepares the student to be able to communicate within the criminal justice field by introducing him/her to the five basic communication skills: report writing, non-verbal communication, basic public speaking, interviewing and interrogating skills, and courtroom testimony.

### **CRJ 104      Introduction to Administration of Justice      3 (3,0,0,0)**

This course is designed to introduce students to the American criminal justice system. This includes the development and components of the system in addition to the procedures that ensure due process. This course is the foundation of the formal study of criminal justice.

### **CRJ 106      Introduction to Corrections      3 (3,0,0,0)**

Survey of correctional science. Historical development, current concepts and practice, and study issues that impact the sentencing and management of offenders.

Prerequisite: CRJ 104.

### **CRJ 107      Introduction to Ethics in Criminal Justice      3 (3,0,0,0)**

This course provides a study of ethical thoughts and issues facing the criminal justice professional. Topics include constitutional ethics and professional code of conduct in theory and in practice.

Prerequisite: CRJ 104.

### **CRJ 108      Introduction to Homeland Security      3 (3,0,0,0)**

This course will introduce students to the vocabulary and important components of Homeland Security. Students will discuss the importance of the agencies associated with Homeland Security and their interrelated duties and relationships. This course will examine historical events that impact Homeland Security. It will also explore state, national, and international laws impacting Homeland Security. It will examine the most critical threats confronting Homeland Security.

### **CRJ 110B      Introduction to Nevada Law Enforcement      3 (3,0,0,0)**

This course provides a systematic approach to examination of criminal justice in the State and in particular Southern Nevada. It will also include an overview of the major subsystems: police, prosecution, defense, courts, corrections and juvenile justice. This course is designed for students who will be attending the Law Enforcement Training Academy.

### **CRJ 111B      Firearms I      3 (2,2,0,0)**

Laws of arrest, search and seizure. Moral and ethical aspects of the use of deadly force. Firearm handling, safety, range nomenclature, marksmanship and qualification.

### **CRJ 114B      Firearms II      2 (1,2,0,0)**

Continuation of CRJ 111B. Advanced range qualification, precision marksmanship, defensive measures, counter ambush procedures, combat shooting, robbery in progress, building searches and shotgun use.

Prerequisite: CRJ 111B.

### **CRJ 120      Community Relations      3 (3,0,0,0)**

This course provides an understanding of the positive and negative relationships between criminal justice professionals and various members of the community.

Prerequisite: CRJ 104.

### **CRJ 130      Survey of Criminal Law      3 (3,0,0,0)**

An introduction to criminal law, its common law origins, basic concepts and applications in legal proceedings.

Prerequisite: CRJ 104.

### **CRJ 140      Elements of Supervision      3 (3,0,0,0)**

This course discusses and examines innovative ideas and concepts concerning supervision of employees and leadership roles in criminal justice agencies.

Prerequisite: CRJ 104.

### **CRJ 145      Transportation and Border Security      3 (3,0,0,0)**

This course provides an in-depth view of modern border and transportation security. Specific topics include security for sea-ports, ships, aircraft, trains, trucks, pipelines, buses, etc. This course focuses on the technology needed to detect terrorists and their weapons as well as includes discussion on legal, economic, political, and cultural aspects of the problem.

Prerequisite: CRJ 108 or EMA 101.

### **CRJ 155      Juvenile Justice System      3 (3,0,0,0)**

An analysis of the causes and extent of delinquent behavior; techniques addressing juvenile offenders and victims; prevention and repression of delinquency; organization of community resources for juvenile offenders including juvenile law, court, and correctional procedures.

Prerequisite: CRJ 104.

### **CRJ 160      Business Continuity and Resilience      3 (3,0,0,0)**

This course provides instruction in the importance of an effective Continuity of Operations Plan/Program (COOP). The course will provide fundamental understanding of continuity of operations, terms, objectives, and benefits to private business and public agencies. The course will emphasize the importance of having a plan which provides for a rapid and efficient return to business after an emergency.

Prerequisite: CRJ 108 or EMA 101.



**CRJ 161 Crime Scene Investigation 3 (3,0,0,0)**

This course will provide the fundamentals of modern crime scene investigation including procedures and skills in securing, searching and investigating a crime scene, behavior at the crime scene, and the collection and preservation of evidence. The student will also learn how to prepare a report for use in court proceedings.

Prerequisite: CRJ 104.

**CRJ 162 Investigative Photography I 3 (3,0,0,0)**

This course will provide the fundamentals of documenting crime scenes, evidence, and people through photographic processes. An elementary knowledge of photography is required.

Prerequisite: CRJ 104.

**CRJ 163 Investigative Photography II 3 (3,0,0,0)**

A course covering advanced investigative photography techniques and the use of digital photography.

Prerequisite: CRJ 162.

**CRJ 164 Introduction to Criminal Investigation 3 (3,0,0,0)**

Fundamentals of investigation; techniques of crime scene search and recording; collection and preservation of physical evidence; modus operandi processes; sources of information; interviews and interrogations; preliminary and follow-up investigations.

Prerequisite: CRJ 104.

**CRJ 165 Criminalistic Science 3 (3,0,0,0)**

Evidence collection and preservation, scientific analysis, laboratory procedures and techniques to ensure chain of custody.

Prerequisite: CRJ 104.

**CRJ 167B Preliminary Investigation for Police Recruits 3 (3,0,0,0)**

This course will provide the basic skills needed to do effective police preliminary criminal investigations. The emphasis will be on learning proper techniques as a first responder to a crime scene, how to secure a crime scene and controlling the scene including determining if a crime occurred, rendering aid to the injured, arresting suspects and securing witnesses.

**CRJ 170B Physical Training for Law Enforcement 1 (0,2,0,0)**

Post pretest. Physical training relevant to a law enforcement profession to prepare for the final physical training test.

**CRJ 210B Community Policing in Southern Nevada 3 (3,0,0,0)**

This course provides an introduction into the community policing models of Southern Nevada. It will also include an overview of the history, definition, evaluation and proactive policing concepts as applied to the various groups of citizens served by law enforcement agencies. This course is designed for students who will be attending the Law Enforcement Training Academy.

**CRJ 211 Police in America 3 (3,0,0,0)**

This course familiarizes students with the role and evolution of law enforcement in the United States, including the qualifications and expectations for law enforcement. Key issues related to use of force, ethics, policy, and law are explored.

Prerequisite: CRJ 104.

**CRJ 214 Principles of Police Patrol Techniques 3 (3,0,0,0)**

An examination of the mission of uniform patrol functions, how to properly prepare for patrol and how to respond to calls under a variety of circumstances.

Prerequisite: CRJ 104.

**CRJ 215 Probation and Parole 3 (3,0,0,0)**

This course will provide an overview of the probation and parole systems in the United States. The emphasis will be on the theories related to effective probation and parole policies, the procedures related to probation and parole, and the skills necessary to be an effective probation or parole officer.

Prerequisite: CRJ 104.

**CRJ 216B Police Patrol Tactics 3 (3,0,0,0)**

This course will provide a basic understanding of police patrol techniques. Various methods and procedures used including tactics for routine patrol, responding for calls for service, citizen contact, and how to handle suspects. Students will understand legal requirements.

**CRJ 219B Emergency Vehicle Operation and Control 3 (1,4,0,0)**

Shuffle steering, steering motion dynamics and vehicle braking (lock-wheel, ABS, impending). Pursuit driving times (vehicle timing) and techniques. Measurement of hearing and tunnel vision.

**CRJ 221B Criminal Procedures for Law Enforcement 3 (3,0,0,0)**

This course will provide an understanding of the laws, court decisions and legal procedures for the law enforcement officer. Students will learn the legal framework necessary for law enforcement officers to conduct their duties legally.

**CRJ 225 Criminal Evidence 3 (3,0,0,0)**

A study of evidence rules and procedural laws affecting criminal evidence. Overview of the appeal process with particular attention to recent U.S. Supreme Court Decisions.

Prerequisite: CRJ 104.

**CRJ 229B Defensive Tactics 3 (1,4,0,0)**

Protection against persons armed with dangerous and/or deadly weapons. Demonstration and drill in a number of holds, come alongs, restraints and baton use.



**CRJ 233 Nevada Criminal Law 3 (3,0,0,0)**

To familiarize the CRJ student with Nevada Criminal Law as set forth in the Nevada Revised Statutes and as interpreted and tested in cases before the Nevada Courts.

Prerequisite: CRJ 104.

**CRJ 235 Legal Method and Process 3 (3,0,0,0)**

Federal and local judicial systems, analysis and synthesis of judicial opinions, the methods of interpretation of statutes, and the role of the courts in conflict resolution.

Prerequisite: CRJ 104.

**CRJ 251 Principles of Correctional Administration 3 (3,0,0,0)**

This class provides an overview of management and operations of correctional facilities.

Prerequisite: CRJ 104.

**CRJ 261 Intelligence Analysis and Security Management 3 (3,0,0,0)**

This course examines intelligence analysis and its indispensable relationship to the security management of terrorist attacks, man-made disasters and natural disasters. It also explores vulnerabilities of our national defense and private sectors, as well as the threats posed to these institutions by terrorists, man-made disasters, and natural disasters. Students will discuss substantive issues regarding intelligence support of homeland security measures implemented by the United States and explore how the intelligence community operates.

Prerequisite: CRJ 108 or EMA 101.

**CRJ 270 Introduction to Criminology 3 (3,0,0,0)**

This course introduces theories that attempt to explain criminal behavior. The role of criminological theory and its impact on public policy in the effort to reduce crime is explored.

Prerequisite: CRJ 104.

**CRJ 286 Sexual Abuse of Children 3 (3,0,0,0)**

This course focuses on the complex issues associated with the sexual abuse of children. Emphasis will be on the definition of crimes against children, typology of offenders and victims, sex registration laws, and the roles of criminal justice agencies.

**CRJ 288 Second Year Capstone in Criminal Justice 3 (3,0,0,0)**

This course provides a capstone experience in the field of criminal justice, and provides preparation for advanced academic experiences or professional careers in criminal justice.

Prerequisite: CRJ 104 and Department approval.

**CRJ 290 Internship in Criminal Justice 3 (0,0,0,9)**

Career related field experience working directly with criminal justice or social services agencies. Note: Application process must be completed one (1) semester prior to starting the internship.

Prerequisite: CRJ 104; and successful completion of 18 units of criminal justice credits; and instructor approval.

**Cardiorespiratory Sciences****CRS 111 Introductory Concepts of Cardiorespiratory Sciences 3 (3,0,0,0)**

Presents an overview of health care delivery system and cardiorespiratory professional structures. Basic CRS care modalities are emphasized in context of clinical practice guidelines, therapist-driven protocols, and critical pathways.

Prerequisite: Admission to Associate of Applied Science Cardiorespiratory Sciences degree program.

**CRS 112 Introductory Concepts of Cardiorespiratory Equipment 1 (0,4,0,0)**

Emphasizes skill development of non-critical cardiorespiratory care treatment modalities. Equipment application and operation theory presented in context of guidelines, protocols, and pathways.

Corequisite: CRS 111.

**CRS 115 Clinical Practicum I 4 (0,0,16,0)**

Introduces the non-critically ill cardiorespiratory patient in the clinical setting. Emphasizes hospital decorum, professionalism, equipment theory and application, guidelines, protocols and pathways.

Corequisite: CRS 111.

**CRS 121 Advanced Concepts of Cardiorespiratory Sciences 3 (3,0,0,0)**

Introduces acute (critical) cardiorespiratory care emphasizing all aspects of mechanical ventilation and patient monitoring. Critical thinking skills will be further developed through simulated cardiorespiratory care plans.

Prerequisite: CRS 115.

**CRS 122 Advanced Concepts of Cardiorespiratory Equipment 1 (0,4,0,0)**

Emphasizes skill development of critical cardiorespiratory care treatment modalities. Mechanical ventilation, physiological monitoring, and other application and operation theory presented in context of guidelines, protocols and pathways.

Corequisite: CRS 121.

**CRS 123 Applied Cardiorespiratory Assessment 3 (3,0,0,0)**

Presents cardiopulmonary disease assessment, including chest physical exam, chest x-ray, and physiological monitoring. Case studies will assist respiratory care plan development based on guidelines, protocols and pathways.

Corequisite: CRS 121.







**CRS 322 Research and Evidence-Based Practice 3 (3,0,0,0)**

An introduction to evidence-based practice and respiratory care research. Overview of research methodology, statistical analyses, ethical considerations, critical evaluation of peer-reviewed literature, systems change theories, and quality improvement.

Prerequisite: Admission to the Bachelor of Applied Science Cardiorespiratory Sciences degree program.

**CRS 412 Long-Term and Palliative Survey of Cardiorespiratory Care 3 (3,0,0,0)**

Topics pertinent to long-term care facilities including ethics, care, rehabilitation, reimbursement, family interaction, psychology of long-term illness (both patient and family). Palliative care, hospice philosophy, end-of-life topics.

Prerequisite: Admission to the Bachelor of Applied Science Cardiorespiratory Sciences degree program.

**CRS 421 Essentials of Sleep 3 (3,0,0,0)**

Emphasizes skill development in polysomnography. Introduction to sleep disorders, including monitoring techniques and instrumentation. Documentation of laboratory experience is required. Optional concentration on polysomnography in CRS 422 and CRS 425 as Corequisite will prepare student for the NBRC Sleep Diagnostic Specialist exam.

Prerequisite: Admission to the Bachelor of Applied Science Cardiorespiratory Sciences degree program.

**CRS 422 Special Project in Cardiorespiratory Sciences 1 (0,0,0,3)**

Students select area of desired specialty. Specialty must match area of desired clinical concentration in CRS 425. Development of faculty-guided research article, poster presentation, or community advocacy project required.

Prerequisite: CRS 312 and 313 and 322.

Corequisite: CRS 425.

**CRS 425 Clinical Practicum VII 4 (0,0,16,0)**

Students may select area of clinical specialization which may prepare them for a national certification. Specialty areas include polysomnography, asthma/COPD, simulation, teaching practicum, adult critical care, neonatal or pediatric intensive care, pulmonary diagnostics, or point-of-care.

Corequisite: CRS 422.

**Computer Science****CS 135 Computer Science I 3 (3,1,0,0)**

This course is intended for students in computer science or engineering majors. It covers: a) Program development in a complex operating environment; b) Problem-solving methods and algorithm development in a high-level programming language; c) Program design, coding, debugging, and documentation using techniques of a good programming style.

Prerequisite: MATH 127 or 128.

**CS 202 Computer Science II 3 (3,0,0,0)**

This course is the continuation of CS 135. It covers: a) Data structures and algorithms for manipulating linked lists; b) String and file processing; c) Recursion. Software engineering, structured programming and testing, especially larger programs are also covered in this course.

Prerequisite: CS 135.

**Cisco****CSCO 105B Fundamentals of Voice and Data Cabling 3 (2,2,0,0)**

This course will provide the student academic knowledge and experience relating to the physical aspects of voice and data networks. Training will be given on how to identify cable types; design, install, and troubleshoot cabling plants. Training is in a hands-on, group oriented lab environment that will stress documentation, design, installation issues, and on the job safety. Successful students will be prepared to complete the BICSI Installer Level 2c certification exam.

**CSCO 120 CCNA Internetworking Fundamentals 4 (3,2,0,0)**

This is a networking fundamentals course that introduces students to the architecture, structure, functions, components, and models of the Internet and other computer networks. It uses the OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced.

**CSCO 121 CCNA Routing and Switching Essentials 4 (3,2,0,0)**

This course describes the architecture, components, and operations of routers in a small network. Students learn how to configure a router and a switch for basic functionality. Students will configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single-area and multi-area OSPF, virtual LANSs, and inter-VLAN routing in both IPv4 and IPv6 networks.

Prerequisite: CSCO 120.

**CSCO 130B Fundamentals of Wireless LANs 3 (2,2,0,0)**

An intensive introduction to wireless LANs which focuses on the design, planning, implementation, operation and troubleshooting of wireless LANs. This hands-on lab-oriented course stresses documentation, design, and installation issues, as well as lab safety, on-the-job safety, and working effectively in a group environment. This course will help prepare students for the Cisco wireless LAN Support Specialist Designation.

Prerequisite: CSCO 121.



**CSCO 205B Fiber Optic Cabling 3 (2,1,0,0)**

Course will address fiber optic system concepts, design, installation, and troubleshooting. Covered items include cable splicing, and terminating, installing optical fiber cable, field terminology and using test equipment. Course includes hands-on labs to develop skills working with fiber optic cable. Requires finger dexterity and visual acuity to work with small components.

**CSCO 220 CCNA Scaling Networks 4 (3,2,0,0)**

This course describes the architecture, components, and operations of routers in a larger and more complex network. Students learn how to configure routers and switches for advanced functionality. Students will configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network.

Prerequisite: CSCO 121.

**CSCO 221 CCNA WAN Fundamentals 4 (3,2,0,0)**

This is one of four courses that applies toward the preparation for a CCNA certification. It explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Students learn how to implement and configure WAN protocols. WAN security concepts, tunneling, and VPN basics are also introduced.

Prerequisite: CSCO 220.

**CSCO 230B Fundamentals of Network Security 4 (3,2,0,0)**

The Fundamentals of Network Security course is designed to prepare students for certification in this field (Cisco and CompTIA security exams). The course teaches students to design and implement security solutions to reduce the risk of revenue loss and vulnerability. This course combines hands-on experience, instructor-led lectures, and a Web based curriculum for students. The course is an introduction to network security and overall security processes. This course prepares the student for successful completion of the Cisco CCNA Security certification exam. Students taking this course are assumed to have already obtained, through coursework or industry experience, the knowledge required to pass the Cisco CCNA exam.

Prerequisite: CSCO 121.

**CSCO 480 CCNP ROUTE 4 (3,2,0,0)**

This course prepares the student with the knowledge and skills necessary to use advanced IP addressing and routing in implementing scalability for routers connected to LANs and WANs. This course is recommended preparation for the CISCO CCNP Certification Exam, ROUTE.

Prerequisite: CSCO 221 or CCNA Certification.

**CSCO 482 CCNP SWITCH 4 (3,2,0,0)**

This course prepares the student with the knowledge and skills necessary to implement scalable multilayer switched networks. This course includes topics on Campus Networks, describing and implementing advanced Spanning Tree concepts, VLANs and Inter-VLAN routing, High Availability, Wireless Client Access, Access Layer Voice concepts, and minimizing service Loss and Data Theft in a Campus Network. This course is recommended preparation for the CISCO CCNP Certification Exam, SWITCH.

Prerequisite: CSCO 480 or Instructor approval.

**CSCO 484 CCNP TSHOOT 4 (3,2,0,0)**

This course teaches the student how to monitor and maintain complex, enterprise routed and switched IP networks. Skills learned include the planning and execution of regular network maintenance, as well as support and troubleshooting using technology-based processes and best practices, based on systematic and industry recognized approaches. Extensive labs emphasizes hands-on learning and practice to reinforce troubleshooting techniques. This course is recommended preparation for the CISCO CCNP Certification Exam, TSHOOT.

Prerequisite: CSCO 480 and 482.

## Cyber Security

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**CSEC 101B Incident Handling & Response 3 (3,1,0,0)**

Students learn to design and manage key business information security functions including incident handling, response plans, incident response teams, disaster recovery plans, and discuss business continuity plans. Reporting, response planning and budgeting are all addressed. Students prepare an incident response, disaster recovery, or business continuity plan for a real-world organization such as a business or a government body or agency. CSEC 105 taken concurrently is suggested.

Prerequisite: ENG 100 or 101 or 107 or 113 with a grade of C- or better.

**CSEC 104B Security Essentials 3 (3,1,0,0)**

Learn to build a security roadmap that can scale today and into the future. Focus on the essential information security skills and techniques needed to protect and secure an organization's critical information assets and business systems. Discuss prevention of an organization's common security problems.

Prerequisite: CIT 112B or Instructor approval.

**CSEC 105B Introduction to Technical Ethics 3 (3,0,0,0)**

This course deals with ethical issues associated with the design, use, and propagation of technology. At virtually all stages of development and use, any technology can carry with it ethical dilemmas for both creators and users. Of interest is how such dilemmas are resolved (or complicated) according to how effectively they are communicated to stakeholders. Write reports, instructions, summaries, and e-mails; develop audience awareness skills; develop skills in document layout and design, and collaborate in a group project.

Prerequisite: ENG 100 or 101 or 107 or 113 with a grade of C- or better.





**CSEC 125B Policy, Legal, & Compliance 3 (3,0,0,0)**

This course covers the laws governing business, contracts, fraud, crime, IT security, IT liability, IT policy, and ethics — all with a focus on electronically stored and transmitted records. Also covers how investigators prepare credible, defensible reports, whether for cyber, forensics, incident response, human resources, or other investigations. This course provides training and continuing education for many compliance programs such as GLBA, HIPAA, FISMA, and PCI-DSS.

Corequisite: CSEC 101B.

**CSEC 131B Operations & Physical Security 3 (3,1,0,0)**

This course introduces the basics of network/physical security. Computer network vulnerabilities and threats are introduced. This course exposes the student to network security planning, security technology, security organization, and monitoring. Familiarizes the student with physical security controls for a typical Information Technology (IT) infrastructure. Examines the need for physical security, types of physical security (physical barriers and site hardening; physical entry and access controls; security lighting; intrusion detection systems; video surveillance; security personnel), and physical security policies and procedures as well as physical security concerns such as access control systems, alarm systems, and environmental control systems.

Prerequisite: CSEC 101B with a grade of C or better; or Instructor approval.

**CSEC 225B Governance & Risk Management 3 (3,0,0,0)**

Topics include fully aligning IT to business strategies and direction, identifying and controlling key risks, and demonstrating legislative and regulatory compliance. Also provides students with sufficient understanding of risk assessment models, methodologies, and processes such that they can perform a risk assessment of a particular system and recommend mitigations to identified risks.

Prerequisite: CSEC 101B with a grade of C or better; or Instructor approval.

**CSEC 226B Compliance 3 (3,1,0,0)**

Introduces the student to Information Systems Security Compliance. Topics include what security compliance is, how to assess security controls (physical, procedural, and technical), and methods to remediate security gaps discovered during the security assessment using Control Objectives for Information and related Technology (COBIT), and International Standards Organization/International Electro Technical Commission (ISO/IEC 27000) as the control frameworks. Discussions conducted on compliance areas include Health Insurance Portability and Accountability Act (HIPAA), Gramm-Leach-Bliley Act (GLBA), Sarbanes-Oxley Act (SOX), Federal Information Security Management Act of 2002 (FISMA), Payment Card Industry Data Security Standard (PCI-DSS), Family Educational Rights and Privacy Act (FERPA), Children's Online Privacy Protection Act (COPPA), and Children's Internet Protection Act (CIPA).

Prerequisite: CSEC 125B with a grade of C or better; or Instructor approval.

**CSEC 231B Access Control 3 (3,1,0,0)**

Explores the concept of controlling access to information systems and applications. Topics include authorization; authentication; accounting for end-users, network devices, system, and administrators; and security controls for access control including tokens and public key infrastructures (PKIs).

Prerequisite: CIT 173 or 174 or 212 or 213 or 214 or 215 with a grade of C or better; or Instructor approval.

**CSEC 241B Cryptography 3 (3,1,0,0)**

Introduces students to concepts of cryptographic systems and how to correctly use them in real-world applications. This course features a rigorous introduction to modern cryptography with an emphasis on the fundamental cryptographic primitives of public-key encryption, digital signatures, pseudo-random number generation, and basic protocols and their computational complexity requirements.

Prerequisite: MATH 124 or above with a grade of C or better; or Instructor approval.

**CSEC 245B Device Hardening 3 (3,1,0,0)**

Provides the student access to tools and techniques to control, mitigate potential attacks, and provide confidentiality of personal and corporate data even on end-user owned devices. Covers the skills to track corporate property, and perform security and policy audits on devices owned by either the organization or by an individual without harm to the device.

Prerequisite: CIT 274B or CSEC 281B with a grade of C or better; or Instructor approval.

**CSEC 271B Security Programming & Scripts 3 (3,1,0,0)**

An in-depth study of the processes, standards, and regulations associated with secure software scripting. Plan, manage, document, and communicate all phases of a secure software development cycle. Topics include security requirements, secure software life development cycle, threat modeling, and Security Technical Implementation Guides (STIGs).

Prerequisite: IS 115; and either CIT 217 or CSEC 104B all with a grade of C or better; or Instructor approval.

**CSEC 281B Ethical Hacking 3 (3,1,0,0)**

Introduces students to concepts of penetration testing to validate security measures and identify vulnerabilities. Topics include IT security awareness, data confidentiality, data integrity, legislated privacy policies, and individual and institutional liability. Explores methods used by intruders to gain access to computer resources and methods to prevent/reduce vulnerabilities.

Prerequisites: CIT 112B and 211 with a grade of C or better; or Instructor approval.



**CSEC 285B Evaluate Emerging Technologies 3 (3,1,0,0)**

A survey of emerging and leading technologies in the cybersecurity field. Research, evaluate, and recommend emerging technologies. Determine secure implementation strategies for best-fit business solutions. Topics include evolutionary technology development and adoption in organizations.

Prerequisite: CSEC 105B; and either CIT 274B or CSEC 281B all with a grade of C or better; or Instructor approval.

**CSEC 286B Network Analytics 3 (3,1,0,0)**

Create, analyze, and report network analytics for information security. Conduct network analytics using available tools and accepted methods for analyzing the seven domains of a typical Information Technology (IT) infrastructure. Monitoring, reporting, and escalation are emphasized.

Prerequisite: CIT 112B with a grade of C or better; or Instructor approval.

**CSEC 287B Security Analysis 3 (3,1,0,0)**

Conduct a vulnerability analysis upon a network in order to practice or refine the attack methodologies with the hacker tools and techniques to which the student was exposed during the various program courses. Prepare a written report of the security design, attack methodology, tools, and techniques. Focus on testing and the documentation process in order to prepare post-test reports.

Prerequisite: CIT 274B or CSEC 281B with a grade of C or better; or Instructor approval.

**CSEC 289B Malware Analysis 3 (3,1,0,0)**

Covers the tools and methodologies used to perform malware analysis on executables found on Windows systems using a practical, hands-on approach.

Prerequisite: CIT 217 or CSEC 104B with a grade of C or better; or Instructor approval.

**CSEC 290B Security Capstone 3 (3,1,0,0)**

A comprehensive project-driven study of network design and security with an emphasis on the integration of knowledge, practical applications, and critical thinking. Topics include advanced concepts in network and security design. This class must be taken in the student's final semester.

Prerequisite: Program Director approval.

**Culinary Arts****CUL 100 Sanitation/HACCP 2 (2,0,0,0)**

Theory and practice of Culinary Sanitation. Course covers proper food handling techniques, food borne illness prevention and introduction to "Hazard Analysis Critical Control Point" method of kitchen operations. Meets standards of National Sanitation Certification.

**CUL 110 Basic Cookery 4 (2,4,0,0)**

Introduction to culinary fundamentals, techniques and skills of modern cookery. Class covers procedures, ingredients and cooking theories.

**CUL 115 Introduction to Butchery and Charcuterie 3 (2,3,0,0)**

Students will learn proper receiving, inspection, and fabrication of meats, poultry, fish and shellfish. Basic techniques of smoking and force meat production will also be covered.

Prerequisite: CUL 110 and FAB 102.

**CUL 125 Principles of Baking 3 (2,3,0,0)**

This course will cover baking ingredients, use of equipment, proper storage and sanitation methods. Students will learn how to produce yeast products, pastries, pies, cookies and quick breads.

Prerequisite: CUL 110 with C- or higher; and FAB 102.

**CUL 130 Garde Manger 3 (2,3,0,0)**

Fundamentals of pantry with proper techniques and procedures in egg cookery, hot and cold sandwiches, lunch and dinner salads and dressings, basic garnishes, canapés and hot and cold appetizer production.

Prerequisite: CUL 110 and FAB 102.

**CUL 135 Breads of the World 3 (2,3,0,0)**

Students will learn measuring methods and scaling techniques, proper handling of yeast doughs, specialty doughs, different batters, and laminated doughs.

Prerequisite: CUL 110 with C- or higher; and FAB 102.

**CUL 140 Catering Operations 3 (2,3,0,0)**

This course teaches students how to plan and execute various types of catered events. The course will include planning, pricing, organization and preparation of the event. This includes planning and production of foods from assorted cuisines. Both front and back of the house operations will be covered.

Prerequisite: CUL 110 and FAB 102.

**CUL 175 Cake Design 3 (2,3,0,0)**

Students will learn basic mixing techniques, ingredients, measuring and scaling. Instruction includes production of icings, fillings, specialty cakes, and cake decorating.

Prerequisite: CUL 125 and FAB 102.

**CUL 200 Aromatics/Restaurant Experience 4 (2,4,0,0)**

Students will learn basic history and use of herbs and spices. They will learn how to enhance foods through proper usage. This class includes participation in actual restaurant operations.

Prerequisite: CUL 110 and FAB 102 both with a grade of C- or higher.



**CUL 215 Plated Desserts 3 (2,3,0,0)**

Introduction to hot, cold, and frozen desserts. Students will learn how to make ice creams, sorbets, and parfaits. This course will cover chocolate decorations and the creation of plate presentations using fresh fruits and dessert sauces.

Prerequisite: CUL 125 and FAB 102.

**CUL 220 International Cuisine 4 (2,4,0,0)**

Study of international foods with an emphasis on authentic ingredients and their proper usage. Participation in restaurant operations is included in this class.

Prerequisite: CUL 110 and 200; and FAB 102.

**CUL 225 Advanced Baking 3 (2,3,0,0)**

This course will cover advanced and specialty breads, brioche and coffee cakes. Students will also learn how to make puff dough pastries, quiches, custards, and ice cream and sorbets.

Prerequisite: CUL 125 and FAB 102.

**CUL 230 Pastry Arts 3 (2,3,0,0)**

Course study will include European Pastries. Emphasis will be placed on ingredients, techniques, measuring, sealing, assembly and storage.

Prerequisite: CUL 125 and FAB 102.

**CUL 235 Advanced Garde Manger 3 (2,3,0,0)**

Preparation techniques for force meats, mousses, galantines, terrines and pates. Perform cheese, salt, tallow and ice sculpting. Discuss hot and cold food competition guidelines.

Prerequisite: CUL 130 and FAB 102.

**CUL 240 French Cuisine 4 (2,4,0,0)**

Culinary fundamentals of classical cuisines are practiced in a weekly preparation of gourmet menus in a restaurant setting. Special emphasis is placed on proper cooking techniques.

Prerequisite: CUL 110 and CUL 200; and FAB 102 each with a grade of C- or higher.

**CUL 250 Saucier 3 (2,3,0,0)**

Basic sauce concepts and technical guidelines to produce high quality sauces. Covers stocks, thickening agents, reductions, liaisons, purees, mother sauces and compound derivations.

Prerequisite: CUL 110 and 200; and FAB 102.

**CUL 255B Retail Bakery Management 3 (2,3,0,0)**

This course introduces students to the application of baking and pastry arts production techniques in a wholesale and/or retail setting. The student is introduced to the theory regarding proper techniques for marketing and merchandising baked goods. Cost control for bakeries as well as recipe standardization and conversion, production planning, purchasing, costing and price for profit will be looked at. It will also feature the theory and practice of pastry buffet planning including themes and presentations.

Prerequisite: CUL 125 and FAB 102.

**CUL 260 Introduction to Chocolate 3 (2,3,0,0)**

This course will cover the use of tempered chocolate for dipping, molding, and decorating. Students will learn to develop creative skills using chocolate. This course also covers techniques in piping, modeling, cutouts and curls.

Prerequisite: FAB 102 and CUL 125 both with a minimum grade of C-.

**CUL 265 Introduction to Sugar Arts 3 (2,3,0,0)**

This course will cover the fundamentals of the art of pulled sugar including product identification, proper production techniques, and proper usage. Students will learn to create pulled sugar pieces, blown sugar pieces and poured pieces. They will also learn to use them in the design and production of centerpieces.

Prerequisite: CUL 125 and FAB 102 both with a grade of C- or higher.

**CUL 270 Ice Carving 1 (1,1,0,0)**

A basic class devoted to developing the skills necessary to plan and produce functional and decorative Ice Sculptures. The class covers the safe use of hand and power tools as well as methods and procedures for transport and display.

**CUL 275 Advanced Cake Design 3 (2,3,0,0)**

This course covers advanced techniques in cake decorating. Students will learn how to make advanced icings such as fondant and royal icing, and how to assemble and decorate advanced specialty and wedding cakes.

Prerequisite: CUL 175.

**CUL 280B Principles of Quantity Baking 3 (2,3,0,0)**

This course will emphasize fundamental baking and pastry production techniques used in wholesale and/or retail bakeries. The student will participate in the production of scratch baking and commercial product usage. Group practice skills in team building and communication will be covered. American and European style pastry products will be featured. Baker's percentages and conversion will be emphasized.

Prerequisite: CUL 125 and FAB 102.

**CUL 285B Advanced Chocolate 3 (2,3,0,0)**

The various methods for tempering and the different types of chocolate will be reviewed. Students will learn advanced molding, shaping and texturing techniques. Creating an advanced showpiece will also be covered.

Prerequisite: CUL 260 and FAB 102.

**CUL 290 Culinary Competition 3 (2,4,0,0)**

Covers both category A and B for food shows based on the American Culinary Federation guidelines. Student may choose either category for the practical hands-on.

Prerequisite: FAB 102.



**CUL 295 Work Experience in Culinary Arts 1 (0,0,0,1)**

In addition to the academic requirements, the Department of Hospitality Management requires 200 hours of acceptable employment in the hospitality industry. This work experience will be measured qualitatively as well as quantitatively. The work experience requirement should be met during the school year or in summers. Students who plan to transfer to UNLV will be able to transfer a maximum of 500 hours of employment toward UNLV's 1000-hour employment requirement. International students must go to the office of International Student Services to verify employment eligibility and obtain authorization. This course can be repeated up to a maximum of four credits. Grade will be given upon verification of employment.

**Dental Assisting****DA 106B Radiation Protection for Dental Auxiliaries 1 (1,0,0,0)**

Course designed to acquaint the participant with radiation hazards and protection services for patient and operator.

**DA 107B Intraoral Radiographic Technique 2 (1,2,0,0)**

Production of dental radiographs including processing, mounting and eliminating errors. Participants will expose, mount and critique a complete radiographic survey of a mannequin and selected patients.

**DA 108B Introduction to Dental Assisting 2 (2,0,0,0)**

Overview of the dental occupations, dental terminology, dental history, interpersonal relationships and employment requirements.

Prerequisite: Admission to the Dental Assisting Program.

Corequisite: DA 115B and 118B and 124B.

**DA 115B Dental Health Education 1 (1,0,0,0)**

Principles of preventive dentistry to include: nutritional physiology, essentials and counseling effect of nutrition on dental health; epidemiology, etiology and prevention of dental disease; design and management of a plaque control program and additional preventive measures, i.e., fluoride and sealant utilization.

Prerequisite: Admission to the Dental Assisting Program.

Corequisite: DA 108B and 118B and 124B.

**DA 118B Dental Materials for Dental Assistants 3 (2,3,0,0)**

Composition, characteristics, physical properties and uses of materials commonly used in dental practice. Includes laboratory practice in manipulating dental materials.

Prerequisite: Admission to the Dental Assisting Program.

Corequisite: DA 108B and 115B and 124B.

**DA 119B Dental Chairside Procedures 4 (2,8,0,0)**

Development of the dexterity needed to assist in four- and six-handed dentistry, demonstrating proper posture and form at chairside. Positive communication, sterilization, disinfection, and neatness are stressed, plus knowledge of instruments, dental operative procedures, manipulation of cements, bases and impression materials.

Prerequisite: DA 108B and 115B and 118B and 124B with a grade of C or higher.

Corequisite: DA 123B and 128B.

**DA 120B Introduction to Dental Insurance 1 (1,0,0,0)**

Introduction to dental insurance processing including alternative payment plans. Introduction to CDT coding.

**DA 123B Practice Management and Procedures 3 (3,0,0,0)**

Principles of dental office routine, reception duties, bookkeeping, appointment control, correspondence, telephone technique, filing, interview techniques, and computer applications.

Prerequisite: DA 108B and 115B and 118B and 124B with a grade of C or higher.

Corequisite: DA 119B and 128B.

**DA 124B Integrated Science for Dental Assistants 4 (4,0,0,0)**

Anatomy and physiology of the body systems, with special emphasis on the head and neck. Embryology, histology and tooth morphology are included.

Prerequisite: Admission to the Dental Assisting Program.

Corequisite: DA 108B and 115B and 118B.

**DA 126B Clinical Externship 6 (1,0,0,20)**

Supervised clinical dental assisting experience in selected private dental practices and public clinics.

Prerequisite: DA 119B and 123B and 128B with a grade of C or higher.

Corequisite: DA 136B.

**DA 128B Dental Radiology 3 (2,3,0,0)**

An introduction to basic concepts of radiology, including radiation protection, intraoral and panoramic techniques of film exposure, processing and mounting.

Prerequisite: DA 108B and 115B and 118B and 124B each with a grade of C or higher.

Corequisite: DA 119B and 123B.





**DA 136B Dental Specialties 3 (3,0,0,0)**

A survey of the role of the dental assistant in the specialties of dentistry including orthodontics, pedodontics, oral surgery, periodontics, endodontics, and prosthodontics.

Prerequisite: DA 119B and 123B and 128B each with a grade of C or higher.

Corequisite: DA 126B.

**DA 299B Independent Study 1-5 (1-5,0,0,0)**

Selected topics of interest to dental assisting students.

## Dance

**DAN 101 Dance Appreciation 3 (3,0,0,0)**

A multicultural exploration of the world's first and most universal art form. Ballet history, sex and social dance, the politics of dance and twentieth century self-expression among others are investigated through lecture, video and demonstration.

**DAN 108 Pilates I 1 (1,0,0,0)**

Pilates based floor work emphasizing increased flexibility and strength with application to dancers and non-dancers alike. This course may be repeated to a maximum of four credits.

**DAN 115 Middle Eastern Dance I 1 (1,2.5,0,0)**

Learn to isolate and undulate gracefully to Middle Eastern music. Explore the ancient arts of belly dance and the people throughout history who have contributed to its evolution. This course may be repeated to a maximum of four credits.

**DAN 119 Swing Dance 1 (1,2.5,0,0)**

Further development of swing dance styles introduced in beginning ballroom dance. This course may be repeated to a maximum of four credits.

**DAN 125 Ballroom Dance (Beginning) 1 (1,2.5,0,0)**

Instruction in the major ballroom dances, including waltz, swing, fox trot, tango, rumba, and the cha-cha. This course may be repeated to a maximum of four credits.

**DAN 126 Ballroom Dance (Beginning/Intermediate) 1 (1,2.5,0,0)**

Continuation of beginning ballroom dance. This course may be repeated to a maximum of four credits.

**DAN 128 Latin Dance 1 (1,2.5,0,0)**

Further development of Latin dances introduced in beginning ballroom dance. This course may be repeated to a maximum of four credits.

**DAN 132 Jazz Dance (Beginning) 1 (1,2.5,0,0)**

Beginning techniques of jazz dance. This course may be repeated to a maximum of four credits.

**DAN 133 Jazz Dance (Beginning/Intermediate) 1 (1,2.5,0,0)**

Continuation of beginning jazz dance. This course may be repeated to a maximum of four credits.

**DAN 135 Ballet (Beginning) 1 (1,2.5,0,0)**

Beginning techniques and theory of classical ballet. This course may be repeated to a maximum of four credits.

**DAN 136 Ballet (Beginning/Intermediate) 1 (1,2.5,0,0)**

Continuation of beginning ballet with more demanding concepts and skills. This course may be repeated to maximum of four credits.

**DAN 138 Modern Dance (Beginning) 1 (1,2.5,0,0)**

Introductory technique and theory of modern concert dance. This course may be repeated up to a maximum of four credits.

**DAN 139 Modern Dance (Beginning/Intermediate) 1 (1,2.5,0,0)**

Continuation of Modern Dance (Beginning). This course may be repeated to a maximum of four credits.

**DAN 144 Tap Dance (Beginning) 1 (1,2.5,0,0)**

Beginning techniques of tap dancing. This course may be repeated to a maximum of four credits.

**DAN 145 Tap Dance (Beginning/Intermediate) 1 (1,2.5,0,0)**

Continuation of beginning tap dance. This course may be repeated to a maximum of four credits.

**DAN 146 Musical Dance Theater 1 (1,0,0,0)**

An historical overview of dance in musical theater. Includes a study of styles of major choreographers.

**DAN 160B Hip Hop Dance 1 (1,2.5,0,0)**

Beginning level Hip Hop. Previous experience in dance not necessary. Offers foundation for dance by putting into practice basic techniques for Hip Hop. Particular emphasis on student's physical awareness, expressiveness, and grasp of material. This course may be repeated to a maximum of four credits.

**DAN 175 Yoga for Dancers 1 (1,2.5,0,0)**

Yoga techniques of stretching and breathing applied to the dancer's instrument with resultant stress relief, increased flexibility, and enhanced physical alignment. This course may be repeated to a maximum of four credits.

**DAN 188 Dance Improvisation 2 (2,1.5,0,0)**

Development of performance and compositional skills through the exploration and analysis of basic dance elements including time, shape, space, motion and dynamics.



**DAN 215 Middle Eastern Dance II 1 (1,2.5,0,0)**

A continuation of learning to isolate and undulate gracefully to Middle Eastern music. A further exploration of the ancient arts of belly dance and the people throughout history who have contributed to its evolution. Course will build on the fundamentals of Middle Eastern dance technique. This course may be repeated to a maximum of four credits.

**DAN 225 Ballroom Dance (Intermediate) 1 (1,2.5,0,0)**

Intermediate techniques of ballroom dance. This course may be repeated to a maximum of four credits.

**DAN 232 Jazz Dance (Intermediate) 1 (1,2.5,0,0)**

Intermediate techniques of jazz dance. This course may be repeated to a maximum of four credits.

**DAN 235 Ballet (Intermediate) 1 (1,2.5,0,0)**

Intermediate technique and theory of classical ballet. This course may be repeated to a maximum of four credits.

**DAN 236 Ballet (Intermediate/Advanced) 1 (1,2.5,0,0)**

A continuation of Ballet (Intermediate). This course may be repeated to a maximum of four credits.

**DAN 238 Modern Dance (Intermediate) 1 (1,2.5,0,0)**

Intermediate technique and theory of modern concert dance. This course may be repeated to a maximum of four credits.

**DAN 239 Modern Dance (Intermediate/Advanced) 1 (1,2.5,0,0)**

Continuation of Modern Dance (Intermediate). This course may be repeated to a maximum of four credits.

**DAN 244 Tap Dance (Intermediate) 1 (1,2.5,0,0)**

Intermediate techniques of tap dance. This course may be repeated to a maximum of four credits.

**DAN 245 Repertory Tap Dance 1 (1,2.5,0,0)**

Learning of tap repertory and new choreography leading to performance opportunities. This course may be repeated to a maximum of four credits.

**DAN 281 Dance Performance 1 (1,2.5,0,0)**

Learning of repertory and new choreography leading to formal and informal performance opportunities. This course may be repeated to a maximum of four credits.

**DAN 284 Dance Project 1 (0,3,0,0)**

Complete production of a dance piece including choreography, sound score selection, costume design, and all production aspects to result in performance of the piece in the CSN Student Dance Concert. Restricted to Dance Certificate of Achievement candidates. This course may be repeated to a maximum of four credits.

**DAN 287 Concert Dance Company 1 (1,2.5,0,0)**

Professionally structured rehearsals of repertory and new choreography in preparation for formal performances, educational outreach programs and possible touring. Students should also be registered for a combination of technique courses: DAN 138 and DAN 235, or DAN 136 and DAN 238, or DAN 235 and DAN 238. Class size for DAN 287 is limited and audition will be the first day of class.

**DAN 288 Choreography 2 (2,1.5,0,0)**

Introduction to the art of making dances with emphasis on the manipulation of time, shape, space, motion and dynamics.

**Dental Hygiene****DH 100 Introduction to Dental Hygiene 1 (1,0,0,0)**

Introduction to dental hygiene as a profession; roles and responsibilities, licensing and regulations. Emphasis on professional writing requirements, cultural awareness, and future directions in the field. Field observation required.

Prerequisite: ENG 100 or 101 or 113 with a C or better; and either ENG 102 or 114 with a C or better.

**DH 102 Oral Biology 3 (2,3,0,0)**

Histology and embryology of oral structural formation. Clinical recognition of normal oral structures, study of physiological and structural functions of the teeth, head and neck, and supporting tissues.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program; and BIOL 223 and 224 both with a grade of C or higher.

**DH 104 Dental Hygiene I 3 (3,0,0,0)**

Introduction to dental hygiene practice. Use and care of instruments, medical and dental histories, emergencies, infection control, appointment procedures and clinical operations.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 105 Introduction to Clinical Practice 2 (0,0,7,1)**

Clinical application of diagnostic, preventive and therapeutic procedures utilized in patient care by a dental hygienist.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 107 Legal and Ethical Implications in Dental Hygiene 2 (2,0,0,0)**

Introduction to professional, legal, and ethical concepts in Dental Hygiene.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.





**DH 110 Concepts of Oral Health 2 (1,3,0,0)**

Basic concepts of oral health care, adjunctive aids and foundation of preventive strategies. Introduction to product evaluation, disease process, needs assessment, behavior modification, learning principles, deposits, stains and fluoride.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 112 Oral Radiology 3 (2,3,0,0)**

A study of the theory of radiology, the techniques of film exposure, processing, mounting and interpretation. Radiation dosage and hazards as well as protection mechanisms for patient and operator are stressed.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 115 Clinical Practice I 3 (0,0,10,2)**

Practice in performing oral prophylaxis, sterilization, patient management, patient education, fluoride use, charting, inspection of teeth, patient scheduling and recare systems.

Prerequisite: DH 104 and 105.

**DH 116B Supervised Clinical Practice 1 (0,0,4,0)**

This course is designed to provide continuity of clinical practice. The student will continue to improve clinical skills. May be repeated for a maximum of five credits.

**DH 117 Periodontics I 2 (1,0,3,0)**

Concepts and practice of advanced instrumentation, instrument sharpening, periodontal debridement, power scaling, chemotherapeutics and desensitizing agents, air-jet, sealant placement, soft tissue curettage, dental implants and lasers.

Prerequisite: DH 104 and Admission to the Associate of Science Dental Hygiene Program.

**DH 119 General and Oral Pathology for Dental Hygienists 2 (2,0,0,0)**

The fundamentals of microscopic and gross pathology disease, repair, healing and regression. Special emphasis: diseases, developmental disturbances, infection, lesions, and injuries to the oral cavity.

**DH 122 Nutritional Aspects in Dentistry 2 (2,0,0,0)**

Introduction to principles of basic biochemistry and the relationship of nutrition to oral health. Application of nutritional education to dental hygiene practice: provide nutritional assessment.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 202 Pharmacology 2 (2,0,0,0)**

A study of drugs by groups with special emphasis on those used in dentistry including their physical and chemical properties, dosage and therapeutic effects.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 203 Special Patients 2 (2,0,0,0)**

Considerations in the treatment of patients with specific physical and mental challenges with a special emphasis on the management of the geriatric patient.

**DH 208 Community Dental Health I 2 (2,0,0,0)**

Functions of health care agencies, literature, epidemiology of dental diseases, community preventive measures, program planning, the geriatric population and dental health educational methods.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 209 Pain and Anxiety Control 3 (2,0,3,0)**

Administration of local anesthetics and nitrous oxide/oxygen analgesia. Pharmacological agents, physical and emotional evaluation of patients, anatomy and neurophysiology. Management of related medical emergencies.

**DH 210 Clinical Dental Hygiene II 4 (0,0,14,2)**

Clinical application of diagnostic, preventive, and therapeutic procedures utilized in patient care by a dental hygienist.

Prerequisite: DH 115.

**DH 211 Dental Materials and Techniques for Dental Hygienists 2 (1,3,0,0)**

Study of dental materials including physical and chemical properties, manipulation, utilization, and application in dental and dental hygiene procedures.

**DH 212 Periodontic Principles II 2 (2,0,0,0)**

Fundamental principles of periodontics, etiology, histo-pathology, classification of gingival and periodontal diseases, prevention and non-surgical treatment.

**DH 216 Principles of Dental Practice 1 (1,0,0,0)**

Concepts of dental office management, productivity, marketing, interviewing and responsibilities of professionals.

Prerequisite: Admission to the Associate of Science Dental Hygiene Program.

**DH 217 Periodontics III 1 (1,0,0,0)**

Advanced study of periodontology with special emphasis on new surgical modalities and equipment. Orientation to all aspects of periodontal practice.

**DH 219 Community Dental Health Field Experience 1 (0,0,4,0)**

Prepares student to function as an effective oral health educator, practitioner, and resource person in public health settings.

Prerequisite: DH 208.



**DH 220 Clinical Dental Hygiene III 4 (0,0,14,2)**

A continuation of Clinical Dental Hygiene II.

Prerequisite: DH 210.

**DH 296 Board Review 1 (1,0,0,0)**

Covers a review of topics in preparation for the Dental Hygiene National Board Examination.

**DH 297B Pain Management for the Dental Professional 3 (1,0,6,0)**

Administration of local anesthetics and nitrous oxide analgesia. Pharmacologics, patient evaluation, anatomy and neurophysiology, management of medical emergencies.

Prerequisite: Program Director approval.

**DH 298B Dental Hygiene Career Skills 2 (1,0,3,0)**

Review of essential dental hygiene skills for clinical examination preparation or re-entry into the dental hygiene profession. Graded Pass/Fail.

Prerequisite: Program Director approval.

**DH 299B Independent Study 1-5 (1-5,0,0,0)**

Covers selected topics of interest to dental hygiene students including review for Dental Hygiene National Board Examination. Graded Pass/Fail.

Prerequisite: Instructor and Department Chair approval.

**DH 303 Prevention and Management of Medical Emergencies 2 (2,0,0,0)**

Provides a foundation for critical decision making in the management of medically compromised patients during oral health care. Emphasis on precautions and treatment alterations for patients with medical complications and protocols managing a medical emergency.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 304 Dental Hygiene Theory I 3 (3,0,0,0)**

Introduction to dental hygiene practice. Use and care of instruments, medical and dental histories, emergencies, infection control, appointment procedures and clinical operations.

Prerequisite: Admission to the B.S. Dental Hygiene program.

Corequisite: DH 305.

**DH 305 Pre-Clinical Practice 3 (0,0,11,1)**

Clinical application of diagnostic, preventive, and therapeutic procedures utilized in patient care by a dental hygienist.

Prerequisite: Admission to the B.S. Dental Hygiene program.

Corequisite: DH 304.

**DH 306 Preventive Oral Health Concepts 2 (1,3,0,0)**

Basic concepts of oral health care, adjunctive aids and foundation of preventive strategies. Introduction to product evaluation, disease process, needs assessment, behavior modification, learning principles, deposits, stains and fluoride.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 307 Legal and Ethical Concepts in Dentistry 2 (2,0,0,0)**

Introduction to professional, legal, and ethical concepts in the dental professions.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 308 Dental Materials 2 (1,3,0,0)**

Study of dental materials including physical and chemical properties, manipulation, utilization, and application in dental and dental hygiene procedures.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 311 Pharmacology for Dental Hygienists 2 (2,0,0,0)**

A study of drugs by groups with special emphasis on those used in dentistry including their physical and chemical properties, dosage, and therapeutic effects.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 312 General and Oral Pathology for the Dental Hygienist 2 (2,0,0,0)**

Fundamentals of microscopic and gross pathology disease, repair, healing and regression period. Special emphasis: diseases, developmental disturbances, infection, lesions, and injuries to the oral cavity.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 313 Periodontic Principles I 2 (1,0,3,0)**

Introduction to periodontal scaling and debridement, associated equipment, and procedures.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 314 Oral Radiology and Interpretation 3 (2,3,0,0)**

Theory and practice of radiology, image production, interpretation, and radiation safety.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 315 Clinical Dental Hygiene I 3 (0,0,10,2)**

Continued practice of the dental hygiene process of care, instrumentation skills, and professional judgement with a focus on safe, initial ability.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 400 Leadership and Group Dynamics 2 (2,0,0,0)**

Students will develop skills in leadership, communication, and team building in preparation for taking on administrative roles within the dental profession.



**DH 401 Pain Control Methods 2 (1,3,0,0)**

Administration of local anesthetics and Nitrous Oxide/Oxygen Analgesia pain control methods, prevention, and management of related medical emergencies.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 402 Patient Diversity and Cultural Awareness 2 (2,0,0,0)**

Study of the physical, mental and social aspects of diversity with emphasis on awareness of patient and population needs. Investigations into cultural awareness strategies to address needs and behavior change.

**DH 403 Periodontic Principles II 2 (2,0,0,0)**

Fundamental principles of periodontics, etiology, histopathology, classification of gingival and periodontal diseases, prevention, and non-surgical treatment.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 404 Research Methodology 2 (2,0,0,0)**

Fundamental and working knowledge of the scientific method employed in oral health research. Critical analysis of research. Utilization of scientific research and supporting evidence-based publications.

Prerequisite: Admission to Dental Hygiene Bachelor of Science Degree Program.

**DH 405 Clinical Dental Hygiene II 4 (0,0,14,2)**

Enhanced practice of the dental hygiene process of care: use of diagnostic, preventive, and therapeutic procedures and professional judgement with a focus on refining ability.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 406 Future Directions in Dental Hygiene 2 (2,0,0,0)**

Exploration of career options to facilitate selection of a specialization track. Emphasis placed on current literature and policies that affect the future of the dental hygiene profession. Critical analysis of existing dental practice acts.

Prerequisite: Admission to the Bachelor of Science Dental Hygiene Degree Program.

**DH 407 Dental Public Health Concepts 2 (2,0,0,0)**

Overview of public health care principles and community dental health care planning.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 408 Introduction to Teaching Methodologies 2 (2,0,0,0)**

Introduction to the basic concepts of teaching. Includes teaching philosophies and methodologies. Emphasis on units of learning, learning objectives, and lesson plans.

**DH 411 Dental Public Health Field Experience 1 (0,0,4,0)**

Off campus clinical and oral health promotion experience in dental public health settings.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 412 Dental Public Health Administration 2 (2,0,0,0)**

Foundational concepts of leadership skills as applied to oral health programs, program management, legal, financial and ethical considerations. Communication with the grant writing process is presented.

Prerequisite: DH 402 and 404; and Admission to Dental Hygiene Bachelor of Science Degree Program.

**DH 413 Periodontic Principles III 1 (1,0,0,0)**

Advanced study of periodontology with special emphasis on new surgical modalities and equipment. Orientation to all aspects of periodontal practice.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 414 Principles of Dental Hygiene Practice 1 (1,0,0,0)**

Overview of practice settings, employment and supervision protocols, productivity, and responsibilities of ethical practice.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 415 Clinical Dental Hygiene III 4 (0,0,14,2)**

Integrated practice of the dental hygiene process of care: use of diagnostic, preventive, and therapeutic procedures and professional judgement with a focus on competent ability.

Prerequisite: Admission to the B.S. Dental Hygiene program.

**DH 418 Advanced Education Concepts 2 (2,0,0,0)**

Emphasis will be placed on curriculum planning and implementation. New classroom technology will be emphasized.

Prerequisite: DH 408 and Admission to the Dental Hygiene Bachelor of Science Degree Program.

**DH 422 Oral Epidemiology and Biostatistics 2 (2,0,0,0)**

Principles and methods of epidemiologic investigation and the use of classical statistical approaches to describe the oral health of populations.

Prerequisite: DH 402; or Instructor approval; and Admission to the Dental Hygiene Bachelor of Science Degree Program.



**DH 428 Clinical/Laboratory Teaching 2 (1,0,0,4)**

Provides students with knowledge and skills in clinical instruction. Psychomotor skill development, analysis and remediation of performance problems. Includes seminar and student teaching externship. Drug test required for externship.

Prerequisite: DH 418 and Admission to the Dental Hygiene Bachelor of Science Degree Program.

**DH 440 Capstone Seminar I 1 (0,0,0,3)**

Provides the opportunity to develop, implement, and evaluate a culminating project to demonstrate achievement of program outcomes.

Prerequisite: DH 400 and 402 and 404 and 406 and 408.

**DH 442 Capstone Seminar II 2 (0,0,0,6)**

Provides the opportunity to develop, implement, and evaluate a culminating project to demonstrate achievement of program outcomes. Limited to Bachelor of Science Dental Hygiene degree-completion students.

Prerequisite: DH 400 and 402 and 404 and 406 and 408.

**Diesel Technology****DT 104 Diesel Equipment Service 4 (1,6,0,0)**

Preventive maintenance procedures of the major components of heavy equipment, use of hand and power tools service manuals, precision measurement, and equipment out of service standards.

**DT 115 Diesel/Heavy Equipment Electrical Systems 4 (1,6,0,0)**

This course introduces electrical systems on modern trucks and construction equipment. Theory of electricity and electronics, types of electrical circuits, wiring, components and use of test equipment are covered as well as diagnostics of batteries, starting and charging systems.

Prerequisite: DT 104.

**DT 117 Advanced Diesel/Heavy Equipment Electronics 4 (1,6,0,0)**

Advanced troubleshooting of AC and DC, electronic circuits, on board computers, electronically controlled components including convenience accessories and hydraulic controls. This course prepares the student for the ASE T6 certification exam.

Prerequisite: DT 115 or Instructor approval.

**DT 136 Diesel Engine Repair I 4 (1,6,0,0)**

Students develop basic knowledge of design, construction and operating principles of diesel engines. This course emphasizes service, maintenance, diagnosis and repair of internal engine components including lubrication and cooling systems.

Prerequisite: DT 104.

**DT 138 Diesel Engine Repair II 4 (1,6,0,0)**

Students study components, maintenance, diagnostics and repair of modern diesel engines with a specific focus on intake, fuel delivery, and exhaust systems. This course prepares the student for the ASE T2 certification exam.

Prerequisite: DT 136 or Instructor approval.

**DT 145 Diesel Brake Systems 4 (1,6,0,0)**

This course provides students with knowledge of medium and heavy duty hydraulic and airbrake systems including study in components, maintenance, diagnostics, and repair. This course prepares the student for the ASE T4 certification exam.

Prerequisite: DT 115.

**DT 150B Diesel Hydraulics 4 (1,6,0,0)**

Presents the theoretical basis for hydraulic circuitry in heavy equipment. Attention is given to circuit components and how they work on heavy diesel equipment. Assembly, disassembly, and troubleshooting are emphasized.

Prerequisite: DT 104.

**DT 155 Steering, Suspension and Hydraulic Directional Controls 4 (1,6,0,0)**

Prepares the student with the knowledge and skills needed to adjust, diagnose, service and repair mechanical and hydraulic directional control, as well as suspension systems found on trucks and construction equipment. This course prepares the student for the ASE T5 certification exam.

Prerequisite: DT 104.

**DT 165 Diesel/Heavy Equipment Heating, Air Conditioning 4 (1,6,0,0)**

This course covers theory, diagnostics, maintenance and service of air conditioning equipment found on truck cabs and off-road equipment. Emphasis is placed on diagnosis of various refrigerant systems while demonstrating knowledge and practice of EPA compliance requirements.

Prerequisite: DT 115.

**DT 205 Diesel/Heavy Equipment Drive Train and Axles 4 (1,6,0,0)**

This course includes the study of heavy truck chassis heavy duty transmissions, drivelines, power dividers, differentials as well as torque converters, torque dividers, power shift transmissions, planetary and gear final drives, tracks, rollers and idlers. Emphasis is placed on troubleshooting and service procedures required.

Prerequisite: DT 104.

**DT 295 Internship Co-Op I 2 (0,0,0,10)**

Cooperative education course, designed to provide the student with on-the-job supervised and educationally directed work experience. Each course except DT 295 will have a prerequisite of successful completion of the preceding Work Experience course.





**DT 296 Internship Co-Op II 2 (0,0,0,10)**

Cooperative education course, designed to provide the student with on-the-job supervised and educationally directed work experience. Each course except DT 295 will have a prerequisite of successful completion of the preceding Work Experience course.

**DT 297 Internship Co-Op III 2 (0,0,0,10)**

Cooperative education course, designed to provide the student with on-the-job supervised and educationally directed work experience. Each course except DT 295 will have a prerequisite of successful completion of the preceding Work Experience course.

### Early Childhood Education

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**ECE 121 Parent Caregiver Relationships 1 (1,0,0,0)**

A course designed for Early Childhood students in which they can acquire various communications skills to enhance parent/caregiver relationships.

**ECE 122 Observation Skills 1 (1,0,0,0)**

A course designed to expose parents and teachers to various formal and informal observation methods that will enhance their observation and recording skills.

**ECE 123 Health and Nutrition for Young Children 1 (1,0,0,0)**

Study includes nutrition, health, safety, infectious disease, first aid, and preventative measures for accidents and spread of diseases.

**ECE 127 Role of Play for Infants and Toddlers 1 (1,0,0,0)**

Emphasis on techniques and play materials for use in the home and child care setting which will foster the child's total development from birth to 2 1/2 years.

**ECE 130 Infancy 3 (3,0,0,0)**

Study of social, emotional, language and sensorimotor development in infancy. Emphasis placed on skills and facilitating optimum infant development.

**ECE 134 Guiding Infant/Toddlers 1 (1,0,0,0)**

A guidance course based on knowledge of developmental levels coupled with realistic expectations for behavior. Emphasis on positive teaching and parenting approaches.

**ECE 138 Step Families 1 (1,0,0,0)**

A course for parents and teachers focusing on the unique dynamics of step families, and the special issues of adults and children living in them.

**ECE 151 Math in the Preschool Curriculum 1 (1,0,0,0)**

A study of mathematical development in young children. Emphasis on teaching techniques, materials and activities for supporting math development.

**ECE 152 Science in the Preschool Curriculum 1 (1,0,0,0)**

Study of young child's emerging awareness of the biological and physical environment. Emphasis on supportive teaching techniques, materials and activities.

**ECE 153 Language Development in the Preschool 1 (1,0,0,0)**

Study of the development of language in preschool children. Exposure to activities and materials for fostering development of receptive and expressive language skills in the preschool.

**ECE 154 Literature for Preschool Children 1 (1,0,0,0)**

Brief survey of literature and poetry for use with preschool children. Techniques for integrating literature into the preschool curriculum will be examined.

**ECE 155 Literacy and the Young Child 1 (1,0,0,0)**

The development of learning activities and materials which augment and enhance the development of literacy skills in the young child.

**ECE 156 Music in the Preschool Curriculum 1 (1,0,0,0)**

Teaching techniques and music activities for young children. Focus on listening, singing, rhythm and creative movement.

**ECE 157 Art in the Preschool Curriculum 1 (1,0,0,0)**

A study of artistic/creative development. Emphasis on teaching techniques for supporting and enhancing artistic/creative development using a range of materials and activities.

**ECE 158 Activities for Physical Development in Young Children 1 (1,0,0,0)**

A study of teaching techniques, materials and activities for supporting and enhancing gross motor development with a focus on both patterned and creative movement.

**ECE 159 After School Activities 1 (1,0,0,0)**

Developing curriculum for the school-aged child in after school programs. Emphasis on appropriate teaching techniques, materials, activities and nutritious snacks.

**ECE 162 Teaching the Two-Year Old 1 (1,0,0,0)**

Study of the physical, cognitive, and social-emotional characteristics of two-year old children. Emphasis on choosing learning materials and equipment and on planning appropriate activities for two-year olds in music, art, physical education, math, science, language development, literature, and reading readiness.



**ECE 163 The School Age Child 3 (3,0,0,0)**

Study of the social, emotional, physical and cognitive development of the child from 6-12 years with emphasis on facilitation of optimum development.

**ECE 200 The Exceptional Child 3 (3,0,0,0)**

A survey of the characteristics and requirements of children (infancy through age 8) with special needs. Focus on the various exceptionalities, legislation affecting persons with special needs, and the impact of special needs upon the family and the individual.

**ECE 202 Understanding Human Growth and Development 3 (3,0,0,0)**

The class will provide a comprehensive introduction to the principles and basic concepts of child development. The course integrates the dimensions of physical, cognitive and psychosocial development into each major state of the child's life – prenatal, infancy, preschool years, middle childhood and adolescence.

**ECE 204 Principles of Child Guidance 3 (3,0,0,0)**

A focus on support and enhancement of the child's social/emotional development, social skills, and self-esteem through the use of positive guidance.

**ECE 231 Preschool Practicum 3-4 (0,0,0,9-12)**

A student teaching experience either on or off campus. Instructor approval required. Must be concurrently enrolled in ECE 245 Practicum Seminar.

**ECE 232 Practicum: Infant and Toddler 3-4 (0-1,0,0,6-12)**

A student teaching experience in an infant/toddler setting either on or off campus. Concurrent enrollment in ECE 245 MAY be required. Instructor approval.

**ECE 233 Practicum in Early Childhood Special Education 3 (0,0,0,9)**

A practical course focusing on the development of techniques, strategies and adaptations needed to implement the inclusion of pre-school children with special needs.

**ECE 235 Adapting Curricula for Young Children with Special Needs 3 (2,3,0,0)**

Course focuses on adapting typical early childhood curricula to meet the needs of infants, toddlers and preschoolers with special needs.

Prerequisite: ECE 200 and 251 both with a grade of C- or higher.

**ECE 238 Family and Community Relations 1 (1,0,0,0)**

Requires participation in the Community College Early Childhood Education Lab. Class, conferences, discussion and community resources studied and applied to home and school needs. May repeat course once.

**ECE 240 Administration of the Preschool 3 (2,3,0,0)**

Study of the principles and practices of preschool organization and administration.

**ECE 241 Practicum for Teacher Aides 4 (0,0,0,16)**

A teaching experience as an aide in an elementary classroom.

Corequisite: ECE 245 and Department approval.

**ECE 245 Practicum Seminar 2 (2,0,0,0)**

A required seminar for students concurrently enrolled in ECE 231 or ECE 241. Instructor approval.

**ECE 250 Introduction to Early Childhood Education 3 (3,0,0,0)**

An introduction to the field of early childhood education for children ages 3 - 8. Emphasis on the diverse physical, cognitive, social/emotional, and unique educational need of young children.

**ECE 251 Curriculum in Early Childhood Education 3 (3,0,0,0)**

Study of curriculum models; developmental learning theories; and curriculum planning and implementation in early childhood programs.

Prerequisite: ECE 250 with a grade of C- or higher.

**ECE 252 Infant/Toddler Curriculum 3 (3,0,0,0)**

Study of curriculum for children age 0-2 1/2 years emphasizing physical, emotional, social, and cognitive development through daily routines and planned activities.

**ECE 254 Applied Child Guidance 3 (3,0,0,0)**

A course focusing on the practical application of positive guidance methods and the concept of family systems.

Prerequisite: ECE 204.

**ECE 260 Children's Literature 3 (3,0,0,0)**

Survey of children's literature and poetry for teachers and parents. Emphasis on developing literacy and strategies for integrating children's literature into school and home environments.

**ECE 273 Individual Child and Community 3 (3,0,0,0)**

Study of the impact growing up in a changing world has on the development of children. Emphasis on the process of socialization.

**ECE 274 Individual Child and Family 3 (3,0,0,0)**

Study of diverse family systems and ways they evolve, nurture and socialize children to function in our diverse society. Explore strategies to interface with diverse families.





**ECE 285 Current Issues in Infancy 2 (2,0,0,0)**

Study of the current trends and issues in infancy and their impact on working with infants.

### Economics

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**ECON 100 Introduction to Economics 3 (3,0,0,0)**

This course is intended for students with no prior background in business or economics. It is study of basic macroeconomics, microeconomics, and international economics principles, as well as current global economic and social issues. The course introduces the student to basic economic concepts and applications emphasizing the economic way of thinking. The student will, therefore, relate principles such as scarcity, opportunity cost, and cost-benefit analyses to everyday real world economic situations.

**ECON 102 Principles of Microeconomics 3 (3,0,0,0)**

An examination of the price theory for product market models and consumer demand models with attention focused on the application of price theory in current economic issues.

Prerequisite: MATH 124.

**ECON 103 Principles of Macroeconomics 3 (3,0,0,0)**

A study of the determination of levels of national income, employment, prices and basic causes of fluctuation of these levels.

Prerequisite: MATH 124.

**ECON 180 The Economics of Discrimination 3 (3,0,0,0)**

The Discrimination of Economics investigates the economic causes, effects, and remedies of discrimination based on categories such as age, ethnicity, gender, religion, national origin, or sexuality. (Same as WMST 180.)

**ECON 261 Principles of Statistics I 3 (3,0,0,0)**

Introduction to descriptive statistics, probability and expectations, theoretical distributions, hypothesis testing and regression analysis. The emphasis is on use, application, and interpretation of statistical techniques.

Prerequisite: MATH 124.

**ECON 262 Principles of Statistics II 3 (3,0,0,0)**

Advanced statistical techniques, including multiple regression, the classical time series model, analysis of variance and non-parametric statistics.

Prerequisite: ECON 261 or Instructor approval.

**ECON 274 Investment Economics 3 (3,0,0,0)**

This course will explore the basic scientific paradigms and applications to micro-finance and investing. Topics will include individual securities, equity, fixed income, governments, global issues, bond funds, limited partnerships, options, futures, monetary market systems, real estate investing, microbanking, precious metals, antiques and collectables, micro-financial planning and many others.

**ECON 275 Risk Management Economics 3 (3,0,0,0)**

This is a course of study in the theory and practice of risk management and insurance economics. Topics include risk management typology and Cyber risk models/applications, wealth creation and conversation, estate planning science, life insurance market, health risk management, senior risk management, basic insurance ethics, federal and state insurance laws and codes and many others.

**ECON 276 Internship in Financial Economics 3 (1,0,0,8)**

Interactive participation with numerous financial institutions in applying practical financial and investment tools and policies toward the completion of a research financial and investment project.

**ECON 295 Special Topics in Economics 1-3 (1-3,0,0,0)**

Topics of current interest in applied economics and finance. This develops awareness of and appreciation for applied economics. May be repeated for a maximum of six credits.

**ECON 320 Economics of Health and Health Care 3 (3,0,0,0)**

Economics of health care sector including physician, allied health professional, hospital and insurance markets. Emphasis on the role of government, private sector, information and externalities in health care outcomes.

Prerequisite: ECON 102 or Instructor approval and Admission to the Dental Hygiene Bachelor of Science Degree Program.

### Education

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**EDU 201 Introduction to Elementary Education 3 (3,0,0,0)**

Introductory course in teacher education that examines the role of the elementary school teacher in today's society; historical, philosophical, cultural, and social domains are investigated. Strategies for effective interpersonal communication are explored. Foundations for the practice of teaching are explored and practiced at an introductory level. Observation in a local elementary school is required.

**EDU 202 Introduction to Secondary Education 3 (3,0,0,0)**

Introduction to the historical and philosophical foundations, settings, problems, and issues related to contemporary secondary schooling and its complexities. Current issues and educational foundations (multicultural, social, and psychological) emphasized. Observation in a classroom is required.

**EDU 203 Introduction to Special Education 3 (3,0,0,0)**

This course provides an overview of special education. Focus is on characteristics of learners with disabilities and on the historical, social and legal foundations of special education. The course is designed for undergraduate students in special education, general education, nursing, counseling, psychology and related fields. Observation in a classroom is required.



**EDU 207 Exploration of Children's Literature 3 (3,0,0,0)**

Survey of children's literature genres. Censorship, historical background, children's interests, literature programs and book evaluation.

**EDU 210 Nevada School Law 2 (2,0,0,0)**

This course is designed to acquaint prospective teachers with the legal aspects of the school setting.

**EDU 214 Preparing Teachers to Use Technology 3 (3,0,0,0)**

Overview of uses of computers in education, including the use of the computer as a teacher utility, the use of application programs, and the selection and use of educational software.

**EDU 215 Substitute Teaching Essentials: Introduction 1 (1,0,0,0)**

This course is designed to encourage students to consider substitute teaching. Focus will be on interviewing, first aid and CPR, communication, and code of ethics.

**EDU 216 Substitute Teaching Essentials: Preparation and Planning 1 (1,0,0,0)**

This course prepares the novice substitute teacher to become successful at planning, organizing and using skills and strategies that affect the classroom daily routine.

**EDU 217 Substitute Teaching Essentials: School Procedures 1 (1,0,0,0)**

This course is designed to give substitute teachers an insight on the best practices of the school environment and how to prepare and handle policies and procedures during the daily routine.

**EDU 220 Principles of Educational Psychology 3 (3,0,0,0)**

The psychology of learning, motivation, growth and development, personality, dynamics, and social adjustment.

Prerequisite: ECE 250 or EDU 201 or 202 or 203.

**EDU 240 Introduction to Classroom Management 3 (3,0,0,0)**

This course will provide an introduction to classroom management theories and techniques: building a classroom management system, producing responsible behavior, and maintaining positive classroom management.

**EDU 270 Internet Research in Education 3 (3,0,0,0)**

This course is designed to help students learn more about information resources available when conducting research in the field of education and other subjects; identifying and mastering appropriate Internet research tools (search engines, directories, databases, digital libraries, e-journals, bibliographies, encyclopedias); developing research strategies, and critically evaluating Internet information.

**EDU 280 Valuing Cultural Diversity 3 (3,0,0,0)**

Introduces preservice educators to microcultures which may include class, ethnicity, gender, exceptionalities, religion, language, and age. Culturally appropriate pedagogical practices, dimensions of multicultural education, and educational implications of diversity emphasized.

**EDU 295 Special Topics in Education 1-6 (1-6,0,0,0)**

This course will provide content benefitting preservice teachers in preparation for the classroom and a career in education.

**EDU 298 Introduction to Gifted Education 3 (3,0,0,0)**

Study of educational programs for gifted children, including identification, characteristics, history, philosophy and programming options. Investigations on research, creativity, intelligence and special populations will also be covered.

**EDU 299 Education Portfolio 1 (1,0,0,0)**

Students will compile a final portfolio of artifacts from their CSN education coursework for use in education department program assessment and for supporting students in applying for undergraduate teacher education program and/or for future employment. The Education portfolio serves as the capstone for the CSN Elementary, Secondary, Special Education, and Early Childhood Education Emphasis AA Degrees.

Prerequisite: Instructor permission.

**Electrical Engineering****EE 190 Electrical and Computer Engineering Freshman Design 1 (0,3,0,0)**

This course is an introduction to history and overview, as well as design principle in electrical and computer engineering. It covers: a) working safety; professional ethics lectured by guest engineers from local industries; b) various branches of electrical and computer engineering lectures lectured by various professors; c) construction and test of various electrical circuits and computer system.

**EE 220 Circuits I 3 (3,0,0,0)**

This course is an introduction to linear circuit analysis. It covers Kirchhoff's laws, node and loop analysis, Thevenin, Norton, and other circuit network theorems, operational amplifiers, first order RL and RC circuits, second order RLC circuits.

Prerequisite: MATH 182.

Corequisite: EE 220D.

**EE 220D Circuits I Discussion 0 (1-3,0,0,0)**

This course covers: 1) Solving electrical circuit problems using PSpice, 2) Solve electrical problems using Multisim, and 3) Build and test simulated circuits.

Prerequisite: MATH 182.

Corequisite: EE 220.





**EMA 130 Role and Scope of the Public Information Officer 3 (3,0,0,0)**

This course provides students with the basic skills needed to perform public information duties as they relate to emergency management. It focuses on the definition of the job of the public information officer (PIO) as well as the skills needed for that position. The course also covers the Joint Information System element of the National Incident Management System.

Prerequisite: COM 101; and CRJ 108 or EMA 101.

**EMA 140 Disaster Response and Recovery 3 (3,0,0,0)**

This course introduces the basic concepts of disaster response and recovery. Concepts include the roles and responsibilities of emergency management stakeholders. Describes how roles and responsibilities differ in response versus recovery.

Prerequisite: CRJ 108 or EMA 101.

**EMA 220 Emergency Simulations and Exercises 3 (3,0,0,0)**

This course provides students with the knowledge and skills to develop and conduct disaster exercises that can be used to test emergency operations plans and operational response capabilities of organizations, businesses and communities. The course also addresses and satisfies the National Exercise and Evaluation Program criteria.

Prerequisite: CRJ 108 or EMA 101.

**EMA 230 Incident Command System (ICS) and National Incident Management System (NIMS) 3 (3,0,0,0)**

The Incident Command System (ICS) National Training Curriculum covers introductory (overview, orientation and basics), intermediate and advanced elements of the National Incident Management System (NIMS). This course provides ICS management tools for all levels of users.

Prerequisite: CRJ 108 or EMA 101.

**EMA 250 Terrorism Response Planning 3 (3,0,0,0)**

This course identifies policies and procedures for the emergency management administrator and staff. It evaluates Emergency Operations Plans (EOPs) as well as other government entities. The EMA manager will learn about hard and soft targets in his/her jurisdiction.

Prerequisite: CRJ 108 or EMA 101.

**Emergency Medical Services**

**EMS 108B Emergency Medical Technician Training 8 (7,3.5,0,0)**

Basic emergency medical training in trauma and medical patient assessment, airway management, fracture and wound care, basic pharmacology and semiautomatic external defibrillation. Course satisfies local fire department testing.

Prerequisite: Healthcare Provider CPR card; current immunizations; background check; drug screen; and health insurance required.

Corequisite: EMS 150B.

**EMS 110B Secondary EMS Instructor 2 (2,0,0,0)**

A 24-hour course for experienced providers that presents introductory concepts, resources, and skills to effectively deliver quality EMS education. Includes essential instructor knowledge, such as: psychology of learning, classroom management, legal issues, and evaluation practices.

Prerequisite: Currently certified as an AEMT or Paramedic with at least two (2) years of full-time or five (5) years of volunteer/part-time EMS experience; or EMS Program Director approval.

**EMS 112B Primary EMS Instructor 1 (1,0,0,0)**

A 16-hour course for experienced instructors that provides the fundamental knowledge essential to being a Primary EMS Instructor. Content will focus on the educational processes, and learning theories and practice. It will provide practical experience in teaching strategies and facilitation techniques. Approaches to assessment and evaluation using observation, practice and reflection are presented.

Prerequisite: Currently certified as a Secondary EMS Instructor at any provider level; or EMS Program Director approval.

**EMS 115B Advanced Emergency Medical Technician 7 (6,3,0,0)**

Instructs in the roles and responsibilities for the Advanced EMT. Skills include, but are not limited to patient assessment skills, intravenous therapy, advanced airway management, basic electrophysiology, radio communications, and pharmacology for the Advanced EMT. Current certification as an EMT, current immunizations, background check, drug screen and health insurance required.

Corequisite: EMS 116B.

**EMS 116B AEMT Clinical Practice 1 (0,0,7,0)**

Field training for the Advanced EMT student. Will involve in-hospital rotations, field ambulance training, and community service. Graded Pass/Fail.

Prerequisite: Current certification as an EMT; current immunizations; background check; drug screen and health insurance required.

Corequisite: EMS 115B.





**EMS 117B Clinical Practicum 1 (0,0,4,0)**

Supervised application of EMT Intermediate skills in the field and/or hospital setting. Emphasis will be on patient assessment, EKG interpretation, pharmacology applications, advanced and basic airway management.

Prerequisite: Current enrollment or acceptance in the CSN Paramedic program; current certification as an Intermediate EMT; current immunizations; and health insurance required.

**EMS 125B Pharmacology for Paramedics 3 (3,0,0,0)**

A fundamental course in pharmacology for the prehospital health provider. Areas of emphasis are the pharmacodynamics and pharmacokinetics of drug therapy, roles and responsibilities of drug administration and dosage calculations. Covers common drug classifications found in the prehospital setting.

Prerequisite: EMS Program Director approval

**EMS 127B Paramedic Clinical Practice I 2 (0,0,16,0)**

Supervised application in a hospital and prehospital setting of the skills learned in aggregate Paramedic training. Emphasis will be on patient assessment, recognition and management of medical and trauma emergencies. Graded Pass/Fail.

Prerequisite: HIT 117B with a grade of C or higher and EMS Program Director approval.

**EMS 129B Paramedic Fundamentals 3 (2,3,0,0)**

Introduction to a paramedic approach to patient assessment including adaptive techniques for special populations (obstetrics, geriatrics, and special challenges). Laboratory instruction and practice will focus on application and interpretation of prehospital diagnostic and monitoring devices, advanced airway management, medication delivery, and therapeutic communications.

Prerequisite: HIT 117B with a grade of C or higher and EMS Program Director approval.

**EMS 130B Paramedic Assessment I 1 (0,3,0,0)**

This course will develop introductory patient assessment and history taking skills necessary for further progression through the Paramedic program. Students shall build upon previously learned skills acquired within the EMT and/or AEMT coursework, while implementing ECG monitoring and pharmacological interventions as learned in other classes.

Prerequisite: HIT 117B with a grade of C or higher and EMS Program Director approval.

**EMS 145B Essentials of Paramedic Medicine 3 (3,0,0,0)**

Instruction and practice on basic aspects of EMS systems and leadership, workforce safety and wellness, public health, documentation, communications, medical, legal, and ethical issues, and special circumstances such as assault and abuse will be addressed. This course will be tailored to advancing the students' understanding of these subjects through integration with EMS research and publications.

Prerequisite: EMS 117B with a grade of C or higher and EMS Program Director approval.

**EMS 150B EMT Clinical Practice 1 (0,0,6,0)**

This course places the EMT in the skill performance clinical arena. Areas of emphasis include, but are not limited to community service projects, Prehospital EMS Ride-a-longs, Labor and Delivery rotations, In-hospital Emergency Department rotations, and Psychiatric observation rotations. Graded Pass/Fail.

Corequisite: EMS 108B

**EMS 165B Pathophysiology for Paramedics 3 (3,0,0,0)**

A correlative approach to pathophysiology employing both physical assessment skills and a basic cellular understanding to the various disease entities and trauma processes.

Prerequisite: HIT 117B with a grade of C or higher and EMS Program Director approval.

**EMS 166B Advanced Medical Care 4 (3,3,0,0)**

A cumulative course which incorporates the recognition and management of prehospital emergencies to include topics of assessment, differential diagnosis, pathophysiology, pharmacology, electrophysiology and treatment. Lab components include advanced airway management, advanced invasive procedures, medication administration and electrical therapy modalities.

Prerequisite: EMS 125B and 129B and 130B and 165B and 168B all with a grade of C or higher

**EMS 167B Paramedic Clinical Practice II 2 (0,0,16,0)**

Supervised application in a hospital and prehospital setting of the skills learned in aggregate Paramedic Training. Emphasis will be on patient assessment and recognition and management of medical and trauma emergencies. Graded Pass/Fail.

Prerequisite: EMS 127B.

**EMS 168B Electrophysiology/ Electrocardiography 3 (3,0,0,0)**

Instructs in the anatomy and physiology of the conduction system of the heart, the electrical system and electrocardiography, abnormal EKG patterns and the recognition and management of dangerous or life-threatening dysrhythmias. Includes an introduction to 12-lead ECG interpretation.

Prerequisite: HIT 117B with a grade of C or higher and EMS Program Director approval.

**EMS 169B Advanced Cardiac Life Support (ACLS) 1 (0.75,0.5,0,0)**

Instructs in the most current standards of the American Heart Association for ACLS. Class is offered in seminar format over two days.

Prerequisite: Current AHA BLS CPR card and EMS Program Director approval.



**EMS 171B Prehospital Trauma Life Support (PHTLS) 1 (0.75,0.5,0,0)**

Instructs in the assessment and management of the critical trauma patient according to national PHTLS format. Course is ALS in format, but may be suitable for very experienced Intermediate level providers. Class is offered in seminar format over two days.

Prerequisite: EMS Program Director approval.

**EMS 172B Vehicle Extrication for Paramedics 2 (1.75,0.5,0,0)**

Vehicle extrication operations level is a participative course designed for prehospital care providers in NFPA 1670. Enhances and incorporates new knowledge and skills necessary to access, extricate, and care for victims of crash incidents. Provides knowledge in scene management and familiarization with local resources needed to mitigate incidents. Provides knowledge for competence at hazardous materials awareness level. Includes National Fire Academy ICS for EMS training.

Prerequisite: Enrollment in CSN Paramedic training.

**EMS 173B Paramedic Field Internship 3 (0,0,0,24-32)**

Field internship allowing students to practice and apply advanced life support knowledge and skills. Each student will be a third person on a Paramedic rescue unit and will work directly with a Paramedic preceptor. Graded Pass/Fail.

Prerequisite: Completion of CSN Paramedic training to date; local provisional Paramedic Certificate; and six months of 911 transport experience.

**EMS 176B Pediatrics for Paramedics 4 (3,3,0,0)**

Instructs in a comprehensive approach to the pediatric patient from birth to adolescence. Course will include AHA-Pediatric Advanced Life Support Curriculum (PALS).

Prerequisite: EMS 125B and 165B and 168B all with a grade of C or higher.

**EMS 185B Advanced Trauma Care 3 (3,0,0,0)**

Instructs in the recognition and management of traumatic emergencies, to include hemorrhage, shock, traumatic brain injuries, burns, environmental emergencies, multisystem trauma, crime scene awareness, terrorism and hazmat operations.

Prerequisite: EMS 129B and 130B and 165B all with a grade of C or higher.

**EMS 190B Emergency Medical Dispatch 3 (2,0,4,0)**

Designed to perform emergency dispatch using the Emergency Priority Dispatch Systems. Students identify the correct chief complaint or incident type, prioritize response assignments, provide life-sustaining support, handle difficult callers and reduce the potential for life-threatening mistakes.

**EMS 201B Operations and Management in EMS 1 (1,0,0,0)**

Includes EMS system planning, organizing, directing, quality control, financing, stress management, and interagency communications. Will also address current issues in EMS locally and nationally.

Prerequisite: Current EMT Paramedic certification or approval.

**EMS 202B Advanced ECG Interpretation 1 (1,0,0,0)**

Introduction to 12 lead ECG interpretation. Topics will include intraventricular conduction delays, myocardial ischemia, injury, and infarction. Will also include pre-excitation syndrome, bundle branch blocks, ectopy, and advanced dysrhythmia interpretation. Course may be offered in seminar blocks as necessary.

Prerequisite: EMS 168B with a grade of C or higher.

**EMS 230B Paramedic Assessment II 1 (0,3,0,0)**

This course will allow the participant to apply the information gained from prior paramedic coursework in a manner that emphasizes proper patient assessment, and the development and implementation of an appropriate treatment plan based on high-quality emergency care. This course will be tailored to advancing the students understanding of all paramedic subjects through practical skills scenarios.

Prerequisite: EMS 130B with a grade of C or higher.

**English****ENG 092 College Prep English I 5 (5,0,0,0)**

Emphasis on college-level reading and writing. Practice in paragraph construction and the introduction to the complete essay. Review of grammar/punctuation skills and sentence structure. Guidance and instruction in integrating reading and writing skills.

Prerequisite: English Placement Test.

**ENG 098 Preparatory Composition 3 (3,0,0,0)**

Intensive reading and writing course focusing on college-level critical reading and essay writing strategies. This course was designed for students whose ACT or SAT scores indicate that they would benefit from an additional semester of English before beginning their college-level work.

Prerequisite: ENG 092 with a grade of C- or higher or English Placement Test.

**ENG 100 Composition Enhanced 5 (5,0,0,0)**

A writing intensive course designed to strengthen college-level composition skills, with particular attention to audience, purpose, and context for writing focusing on the writing process and introducing research.

Prerequisite: English Placement Test; or completion of ENG 098 with a grade of C- or better; or ESL 139 with a grade of C- or better.







**ENG 223H Themes of Literature - Honors 3 (3,0,0,0)**

Themes and ideas significant in literature. Topics will be more intensive or covered in more depth than in the non-Honors version. May be repeated for a maximum six credits. Courses with "H" suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or higher; or Department Chair or Instructor approval; and Admission to the Honors program.

**ENG 224B Introduction to Screenwriting 3 (3,0,0,0)**

The study of screenwriting methods and forms with a concentration on the student's creative writing.

**ENG 230 Writing Creative Non-Fiction 3 (3,0,0,0)**

The study of creative non-fiction writing methods and the art of the personal essay with concentration on the student's creative writing.

Prerequisite: ENG 205 or Instructor approval.

**ENG 231 World Literature I 3 (3,0,0,0)**

World Literature I explores literature from our earliest texts to c1651. Individual sections will include texts selected from around the world, and incorporate prose, poetry, and drama. Discussing the central themes of the global literary discourse will help students discover how authors have contributed to the literary tradition, recognize the influence of literature on contemporary thought, and form connections across historical, geographical, and cultural boundaries.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 231H World Literature I - Honors 3 (3,0,0,0)**

A reading intensive, Honors-level course designed to introduce students to the major figures, movements and ideas in world literature from ancient times to 1650.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or higher; and Admission to the Honors program.

**ENG 232 World Literature II 3 (3,0,0,0)**

World Literature II explores literature from c1651 to current times. Individual sections will include texts selected from around the world, and incorporate prose, poetry, and drama. Discussing the central themes of the global literary discourse will help students discover how authors have contributed to the literary tradition, recognize the influence of literature on contemporary thought, and form connections across historical, geographical, and cultural boundaries.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Instructor approval.

**ENG 232H World Literature II - Honors 3 (3,0,0,0)**

A reading intensive, Honors-level course designed to introduce students to the major figures, movements and ideas in world literature from 1650 to the present.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or higher; and Admission to the Honors program.

**ENG 235 Survey of English Literature I 3 (3,0,0,0)**

Reading and discussion of major British works and writers from Early English through the eighteenth century.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 236 Survey of English Literature II 3 (3,0,0,0)**

Reading and discussion of major British works and writers from late eighteenth century through modern literature.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 241 Survey of American Literature I 3 (3,0,0,0)**

Includes major American works and writers, Colonial Period to the Civil War, with emphasis on both enjoyment and critical appreciation of literature.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 242 Survey of American Literature II 3 (3,0,0,0)**

Includes major American works and writers, Civil War to present, with emphasis on both enjoyment and critical appreciation of literature.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 243 Introduction to Short Story 3 (3,0,0,0)**

Short stories read and discussed, with special emphasis on analysis and interpretation of plot, character, point of view, theme, symbol and tone.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 252 Introduction to Drama 3 (3,0,0,0)**

Reading and discussion of works selected from among the best in Western Culture, including but not restricted to ancient Greek comedy and tragedy, Shakespeare, Eighteenth Century Comedy and 19th Century Expressionism. Critical reviewing of drama, both live and on film, is promoted and encouraged.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.



**ENG 256 Introduction to the Literature of King Arthur 3 (3,0,0,0)**

Readings in primary and secondary materials relating to the Arthurian Cycle.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 257 Introduction to Classical Mythology 3 (3,0,0,0)**

Readings in primary and secondary materials relating to the Classical Mythology.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 259 Speculative Fiction and Fantasy Literature 3 (3,0,0,0)**

Reading and discussion of selected novels and short stories.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher.

**ENG 260 World Mythology 3 (3,0,0,0)**

Readings in primary and secondary sources to World Mythology.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Instructor approval.

**ENG 261 Introduction to Poetry 3 (3,0,0,0)**

Lectures and discussions about poetry intended to develop the student's ability to read, understand and evaluate a poem.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 265 Nature in Literature 3 (3,0,0,0)**

Students will read, analyze, and discuss various literary expressions of our conceptions of nature.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 267 Introduction to Women and Literature 3 (3,0,0,0)**

Study of a variety of important women authors. Some semesters, offered as a study of important female characters taken from famous plays and novels.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 268 Introduction to Migrant Literature 3 (3,0,0,0)**

Themes and ideas significant in immigrant literature related to voluntary and compulsory migration.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 271 Introduction to Shakespeare 3 (3,0,0,0)**

Shakespeare's principal plays read for their social interest and their literary excellence.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 271H Introduction to Shakespeare - Honors 3 (3,0,0,0)**

An Honors-level study of Shakespeare's principal plays read for their social interest and literary excellence. Honors emphasizes an in-depth study of Shakespeare's work focusing on its relevance to modern life. Courses with "H" suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or higher; and Admission to the Honors program.

**ENG 272 Queer Literature 3 (3,0,0,0)**

Overview of gay and lesbian literary figures from Western antiquity to present. Instruction explores love and sex between same-sex relationships through a historical and theoretical framework. Emphasis on rereading texts to discover gay and lesbian themes ignored or concealed in more traditional textual analyses.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 273 Comic Books as Literature 3 (3,0,0,0)**

This course will examine the power of comic books as they create and manipulate the significance of historical, social, political, and cultural issues within the framework of critical reading and literary analysis.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 275 Contemporary Literature 3 (3,0,0,0)**

Reading and discussion of recent literature of various types to acquaint students with contemporary writers.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 278 Readings in the Contemporary Novel 3 (3,0,0,0)**

Study of the post-World War II novel, its development, and direction.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 284 Introduction to the Bible as Literature 3 (3,0,0,0)**

Readings in primary and secondary materials relating to the Bible as Literature.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.



**ENG 289 Holocaust and Genocide Literature 3 (3,0,0,0)**

Focuses on literature of the World War II Holocaust and other previous and subsequent genocidal literature. Reading, discussion of selected works in social, historic, literary, comparative contexts.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 290 Introduction to African-American Literature 3 (3,0,0,0)**

Introduction to the poetry, fiction, drama, and non-fiction of African Americans.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 292 Introduction to Chicano Literature 3 (3,0,0,0)**

Introduction to Chicano literature through the study of classic and contemporary works of prose, poetry, and theater. Course conducted in English.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 293 Latin American Literature 3 (3,0,0,0)**

An introduction to a rich and complex tradition of literary production from Latin America (including the Caribbean) that dates back from the pre-Columbian period to the present. Course will be conducted in English.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 296 Portfolio Assessment 1 (0,0,0,1)**

A one-credit, independent study undertaken to satisfy the exit requirement of the Associate of Arts degree in English with a creative writing emphasis.

Prerequisite: Instructor approval.

**ENG 298 Writing About Literature 3 (3,0,0,0)**

ENG 298 focuses on prose, poetry, and drama in order to provide the tools students need for continued literary study. The course introduces basic literary terms, and various methods for analyzing texts.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 299 Special Topics in English 3 (3,0,0,0)**

Investigates a special topic and/or area of interest within the field of English language, creative writing, or composition.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C- or higher; or Department Chair or Instructor approval.

**ENG 333 Professional Communications 3 (3,0,0,0)**

A course in applied rhetoric for students to develop the writing and communication skills they will need as professionals. The goal is to make strong writers with flexible analysis, writing, and oral communication skills.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or higher; or Department Chair or Instructor approval; and Admission to the Bachelor of Science degree program in Dental Hygiene; or the Bachelor of Applied Science degree program in Cardiorespiratory Sciences or Medical Laboratory Scientist.

**Environmental Science****ENV 101 Introduction to Environmental Science 3 (3,0,0,0)**

A survey of basic ecological principles and an examination of selected environmental issues including overpopulation, pollution and energy alternatives.

**ENV 201 Environmental Toxicology and Risk Assessment 3 (3,0,0,0)**

The course introduces students to the principles and methods used to determine whether a relationship exists between an agent and an adverse effect in humans and to independently carry out a risk assessment. Students develop an understanding of current approaches to risk management by writing a risk management paper and learning about risk communication.

Prerequisite: ENV 101.

**ENV 206 Introduction to Climate Change 3 (3,0,0,0)**

This class will examine the physical, chemical, and social factors that influence the components of Earth's climate system.

Prerequisite: ENV 101.

**ENV 220 Introduction to Ecological Principles 3 (3,0,0,0)**

An introduction to the major principles and underlying processes of organismal, population, community and ecosystem ecology. (Same as BIOL 220.)

**ENV 260 Environmental Measurement and Analysis 4 (3,3,0,0)**

An introduction to multi-media sampling and analytical methods for evaluation of outdoor/indoor air, soil/surfaces, and water.

Prerequisite: CHEM 121 and CHEM 122

**ENV 299 Special Topics in Environmental Science 1-3 (0,3-9,0,0)**

Covers selected topics of interest to students in environmental sciences. This course may be repeated for a max of 6 credits.

Prerequisite: ENV 101.





## Education Professional Development

### EPD 111B The Paraprofessional in Education 3 (3,0,0,0)

A course designed to acquaint students with the role of a paraprofessional in education.

### EPD 113B Assisting in Math and Science Instruction 3 (3,0,0,0)

A course designed to introduce the student paraprofessional to current practices and tutoring strategies for math and science.

### EPD 114B Assisting in Language Arts/Literacy Instruction 3 (3,0,0,0)

An introductory course addressing the language arts curriculum and tutoring strategies for the student paraprofessional assisting in the classroom.

### EPD 115B Spanish for the School Professional 3 (3,0,0,0)

Basic conversational Spanish appropriate for the school professional.

### EPD 116B Classroom Technology 3 (3,0,0,0)

The class will provide the student experience with technology commonly used in the classroom.

### EPD 117B Understanding Special Education 3 (3,0,0,0)

An overview of the basics of special education including the IEP, IDEA and related services essential for education paraprofessionals.

### EPD 118B Effective Communication Strategies 3 (3,0,0,0)

This course will explore effective communication strategies such as conflict resolution and effective means of communicating in writing in the school setting.

### EPD 119B Understanding Assessment 3 (3,0,0,0)

This course will explore the role of assessment as it relates to the public school setting.

### EPD 121B Diversity in the Classroom 3 (3,0,0,0)

This course is primarily designed for paraprofessional support teachers to explore the basic principles of diversity in schools, and of teaching diverse learners. Observation in schools is required.

### EPD 122B Legal Issues in the Classroom 3 (3,0,0,0)

This course will explore the legal implications of working in a public school setting as a paraprofessional.

### EPD 130B Supervising Education Paraprofessionals in School Settings 3 (3,0,0,0)

This course will provide teachers with supervisory skills and tools to work effectively with paraprofessionals in education.

### EPD 131B Health and Safety Issues in School Settings 3 (3,0,0,0)

A course addressing the basic health and safety practices of the school setting.

### EPD 162B PPST/Praxis I Reading Review 1 (1,0,0,0)

Review of reading and test taking skills to assist the student in approaching the PPST/Praxis I Reading Exam with confidence. Graded Pass/Fail.

### EPD 163B PPST/Praxis I Writing Review 1 (1,0,0,0)

Review of writing and test taking skills to assist the student in approaching the PPST/Praxis I Writing Exam with confidence. Graded Pass/Fail.

### EPD 164B PPST/Praxis I Math Review 1 (1,0,0,0)

Review of math and test-taking skills to assist the student in approaching the PPST/Praxis I Math Exam with confidence. Education majors are required to pass the PPST/Praxis I before completing their degree program. Graded Pass/Fail.

### EPD 350 Teaching with Technology - Level I 1 (1,0,0,0)

Overview of teaching with technology utilizing online learning styles, discussing digital technologies and experiencing with software programs as teacher resources. This course is taught exclusively online for practicing teachers.

Prerequisite: Basic computer and word processing skills.

### EPD 351 Teaching with Technology - Level II 1 (1,0,0,0)

Overview of teaching with technology utilizing online web and educational resources and exploring distance education related articles. This course is taught exclusively online for practicing teachers.

### EPD 352 Teaching with Technology - Level III 1 (1,0,0,0)

Overview of teaching with technology utilizing online web resources, teacher utilities, and educational resources. Course taught exclusively online to practicing teachers. Must possess basic computer/word processing skills and access to current office programs.

### EPD 353 Orientation to Online Learning 1 (1,0,0,0)

Overview of the course management system, WebCT, used in online course development, including Email, Discussion Board and Chatroom.

### EPD 354 Student Assessment in Online Courses 3 (3,0,0,0)

This online course addresses various assessment formats that can be used for evaluating students in online courses.



**EPD 355 Instructional Design for Online Course Development 3 (3,0,0,0)**

Introduces instructional design principles and relates the principles to the development of online courses.

**EPD 356 Special Topics: Technology Innovations in Online Learning 2 (2,0,0,0)**

This course introduces the emerging technologies for online teaching and learning. The list of technologies is subject to change based on professor discretion, as the course progresses, in terms of both additions and deletions of technologies. Technologies include: Web-Blogs, voice over Internet protocol (VoIP), and Podcasts.

**EPD 357 Teaching and Learning in the Online Classroom - Level I 1 (1,0,0,0)**

This course introduces pedagogical principles, skills and strategies for effective online teaching and online course management. Participants gain hands-on experience in using web-based chat rooms, email and discussion boards to increase student interaction in their online courses. Participants begin revising course content for the web and developing activities and assignments appropriate for specific disciplines. Course is taught exclusively within WebCT to practicing educators.

**EPD 358 Teaching and Learning in the Online Classroom - Level II 1 (1,0,0,0)**

Introduction to instructional strategies for online instruction. Students will explore the differences between live and online instruction, gain experience in using search engines/subdirectories to conduct research and critically evaluate online resources for instruction. Course is taught exclusively online to practicing educators.

**EPD 359 Teaching and Learning in the Online Classroom - Level III 1 (1,0,0,0)**

Participants learn how to revise course content, develop activities and assessment methods appropriate for specific disciplines. Ethical and legal issues associated with online learning will also be discussed. Course is taught exclusively online.

**EPD 361 Encouraging Communication in Online Courses 3 (3,0,0,0)**

This course provides insight in and methods for structuring an online course to maximize the quality on interactions among students, and between the instructor and students.

**EPD 362 Universal Design Principles for Online Learning 3 (3,0,0,0)**

In this hands-on course you will discover how the principles of Universal Design can help you create course content that can be accessed and used by anyone, including people with disabilities. By the end of the course, participants will have a good understanding of Universal Design Principles for Online Learning, know potential accessibility/usability issues that need to be considered in course design, and be able to create more accessible/usable course content.

**Educational Psychology****EPY 303 Educational Psychology 3 (3,0,0,0)**

General principles, theories and recent research evidence regarding human development, human learning and human motivation, especially as they pertain to classroom instruction.

Prerequisite: PSY 101; or SOC 101; or ANTH 101; and Admission to the Bachelor of Science degree program in Dental Hygiene.

**English as a Second Language****ESL 110B Integrated Skills I 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the sound structures and sentence patterns of basic introductory English.

Prerequisite: ESL Placement Test.

**ESL 111B Integrated Skills II 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the sound structures and sentence patterns of beginning – low level English.

Prerequisite: ESL Placement Test; or ESL 110B with a grade of C- or higher; or Instructor approval.

**ESL 115B Reading and Communication for International Students I 3 (3,0,0,0)**

Development of reading and communication skills through analysis of assigned texts, study of vocabulary and idioms; explanation of grammar difficulties as needed, and guided discussion.

Prerequisite: Placement Test.

**ESL 118B Reading and Communication for International Students II 3 (3,0,0,0)**

Development of reading and communication skills through analysis of assigned texts; study of vocabulary and idioms; explanation of grammar difficulties as needed; and guided discussion.

Prerequisite: Placement Test; or both ESL 110B and 115B.

**ESL 119B Reading and Communication for International Students III 3 (3,0,0,0)**

Development of reading and communication skills through analysis of assigned texts; study of vocabulary and idioms; explanation of grammar difficulties as needed; and guided discussion.

Prerequisite: Placement Test; or both ESL 110B and 115B.

**ESL 120 Integrated Skills III 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the basic sound structures and sentence patterns of beginning–mid Level English.

Prerequisite: ESL Placement Test; or ESL 111B with a grade of C- or higher; or Instructor approval.





**ESL 121 Integrated Skills IV 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the basic sound structures and sentence patterns of beginning–high level English.

Prerequisite: ESL Placement Test; or ESL 120 with a grade of C- or higher; or Instructor approval.

**ESL 122 Listening and Pronunciation 3 (3,0,0,0)**

The goal of this course is for students to improve sound production and listening comprehension specifically in vowel/consonant system, reduced forms, stress, and intonation.

Prerequisite: ESL Placement Test; or ESL 120 with a grade of C- or higher; or Instructor approval.

**ESL 123 Reading I 3 (3,0,0,0)**

The goal of this course is for students to develop intermediate–low level reading skills through analysis of assigned texts.

Prerequisite: ESL Placement Test; or ESL 121 with a grade of C- or higher; or Instructor approval.

**ESL 124 Grammar I 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the basic structures and sentence patterns of intermediate–low Level English.

Prerequisite: ESL Placement Test; or ESL 121 with a grade of C- or higher; or Instructor approval.

**ESL 125 Reading II 3 (3,0,0,0)**

The goal of this course is for students to develop intermediate–mid level reading skills through analysis of assigned texts.

Prerequisite: ESL Placement Test; or ESL 123 with a grade of C- or higher; or Instructor approval.

**ESL 126 Grammar II 3 (3,0,0,0)**

The goal of this course is students' acquisition and control of the basic structures and sentence patterns of intermediate–high Level English.

Prerequisite: ESL Placement Test; or ESL 124 with a grade of C- or higher; or Instructor approval.

**ESL 127 Listening and Note-taking 3 (3,0,0,0)**

The goal of this course is to improve students' listening comprehension, speaking, and note-taking skills in preparation of lecture-based courses.

Prerequisite: ESL Placement Test; or ESL 126 with a grade of C- or higher; or Instructor approval.

**ESL 129 Writing I 3 (3,0,0,0)**

This goal of this course is for ESL students to write short simple, compound, and complex sentences without global errors and to form clear, short paragraphs.

Prerequisite: ESL Placement Test; or ESL 126 with a grade of C- or higher; or Instructor approval.

**ESL 132 Reading III 3 (3,0,0,0)**

The goal of this course is for students to develop intermediate–high level reading skills through analysis of assigned texts.

Prerequisite: ESL Placement Test; or ESL 125 with a grade of C- or higher; or Instructor approval.

**ESL 133 Speech 3 (3,0,0,0)**

The goal of this course is for ESL students to speak effectively and give formal speeches in front of a large group.

Prerequisite: ESL Placement Test; or ESL 129 with a grade of C- or higher; or Instructor approval.

**ESL 134 Beginning Conversation 3 (3,0,0,0)**

The goal of this course is for ESL students to gain confidence in speaking, increase vocabulary, start conversations, and improve fluency and accuracy.

Prerequisite: ESL Placement Test; or ESL 121 with a grade of C- or higher; or Instructor approval.

**ESL 135 Reading IV 3 (3,0,0,0)**

The goal of this course is for students to develop advanced–low level reading skills through analysis of assigned texts.

Prerequisite: ESL Placement Test; or ESL 132 with a grade of C- or higher; or Instructor approval.

**ESL 136 Intermediate Conversation 3 (3,0,0,0)**

The goal of this course is for ESL students to form/support/argue opinions in conversations and increase fluency and accuracy.

Prerequisite: ESL Placement Test; or ESL 124 or 134 with a grade of C- or higher; or Instructor approval.

**ESL 138 Writing II 3 (3,0,0,0)**

The goal of this course is for ESL students to write complex paragraphs.

Prerequisite: ESL Placement Test; or ESL 129 with a grade of C- or higher; or Instructor approval.

**ESL 139 Writing III 3 (3,0,0,0)**

The goal of this course is for ESL students to write essays.

Prerequisite: ESL Placement Test; or ESL 135 and 138 both with a grade of C- or higher; or Instructor approval.

**ESL 140 Advanced English Editing 3 (3,0,0,0)**

The goal of this course is for advanced ESL speakers to edit their own grammar mistakes in writing.

Prerequisite: ESL Placement Test; or ESL 139 with a grade of C- or higher; or Instructor approval.

**ESL 190 ESL Capstone Sequence 3 (3,0,0,0)**

The goal of this capstone course is for ESL students to write research essays based on analysis of audience, purpose, and rhetorical situations in college-level texts.

Prerequisite: ESL Placement Test; or ESL 139 with a grade of C- or higher; or Instructor approval.



**ESL 195 TEAS Prep Course for Medical Students 3 (3,0,0,0)**

The goal of this course is for native English and advanced ESL speakers to acquire test-taking strategies and skills/content in the reading and English/language sections of the Test for Essential Academic Skills (TEAS).

Prerequisite: Instructor approval

**Electronics Engineering Technology****ET 100B Survey of Electronics 3 (3,0,0,0)**

Introduces modern electronics technology and electronics concepts including voltage, current, resistance, power and frequency and functional analysis of simple analog and digital systems.

**ET 104B Fabrication and Soldering Techniques 0.5-6 (0,1-12,0,0)**

Introduces electronic fabrication skills, tool operations applied to fabrication techniques of simple circuit boards, reading of schematic diagrams, soldering, drafting and wire wrapping.

**ET 106B Test Equipment Operation 3 (2,2,0,0)**

An introduction to the use and operation of general and special purpose electronic test equipment, includes oscilloscope, multi-meters, electronic multimeters, signal generators and transistor/capacitor testers.

**ET 108B Telecommunications and the Information Age 3 (3,0,0,0)**

An introductory course that looks at the Telecommunications Industry from a technology standpoint. The student will learn about the telephone and telephone system, local area networks, fiber optics, how a modem works, wireless communications and other related topics.

**ET 111B Mathematics for Electronics Applications 3 (3,0,0,0)**

An electronics algebra/trigonometry course which includes signed numbers, laws of exponents, proportions, logarithms, trigonometric functions, polar and rectangular conversions. A working knowledge of pre-algebra is strongly suggested; a satisfactory ACT/SAT/Placement Test score and/or completion of a rigorous secondary school algebra course are good indicators.

Prerequisite: MATH 093 with a grade of C or better or MATH 116 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score in MATH 95 or above; or Program approval.

**ET 113B Introduction to Radar 3 (3,0,0,0)**

This course is an introduction to fundamental principles of radar. Topics include keys to a fundamental understanding of radar, directivity and the antenna beam, pulsed-delay and FM ranging, pulse compression, the Doppler effect, the pulsed spectrum, measuring range rate, choice of low and high PRFs, automatic tracking, and resolution requirements.

Prerequisite: ET 132B.

**ET 125B RF and Microwave Devices 3 (3,0,0,0)**

This course includes a close look at various semiconductor RF and microwave devices, including microwave vacuum tubes, oscillators, amplifiers and power supplies.

**ET 131B DC for Electronics 4 (3,3,0,0)**

Basic concepts of passive electronic circuits to include laws, measurements, and calculations relating to direct current. Components and general purpose test equipment are used in practical experimentation. Students in this course should have a working knowledge of algebra

**ET 132B AC for Electronics 4 (3,3,0,0)**

Basic concepts of passive electronics circuits to include laws, measurements, and calculations relating to alternating current. Basic active components and applications are also introduced. Components and general purpose test equipment are used in practical experimentation.

Prerequisite: ET 111B or MATH 127; and ET 131B (with a grade of C or higher) or MT 102B (with a grade of B or higher).

**ET 138B Introduction to Slot Machine Technology 0.5-3 (0.5-3,0,0,0)**

An introduction course detailing the theory and operation of typical slot machines. Installation, maintenance and troubleshooting of slot machines and their peripherals will also be covered in this course. This course can be repeated for up to a total of 3 credits.

**ET 155B Home Technology Convergence 3 (3,0,0,0)**

This course prepares students for the CompTIA's Home Technology Integration (HTI+) certification exam (HTO-10, HTI+ Residential System Examination and the HTO-102 HTI+ Systems Infrastructure and Integration Examination for HTI+ certification) and provides hands-on exercises in home technology integration skills. Topics covered include integration and internet control of residential subsystems, structured wiring systems integration, and an introduction to computer networking, safety, and troubleshooting. Subsystems discussed are home security, audio/video, computer networks, electrical wiring, HVAC (Heating Ventilation/Air Conditioning), irrigation, cable/satellite, broadband, and telecommunications. Hands-on lab experiences cover commercial wiring and the installation and troubleshooting of integrated system.

**ET 205B Power Supply Theory and Repair 1-4 (1-3,0-2,0,0)**

The course covers the theory, operation, troubleshooting, and repair of unregulated, series linear and switching power supplies. A basic understanding of DC circuit theory and a rudimentary understanding of AC from work experience is recommended for students of this course. Can be repeated for a total of 4 credits.



**ET 206B Video Monitor Theory and Repair 1-4 (0-3,0-3,0,0)**

Covers the theory, operation, repair, and troubleshooting of CRT displays, LCDs, and the power supplies which are found in most CRT and LCDs. The hands-on labs will include troubleshooting on equipment from various manufacturers. This course is designed for students who have completed courses on DC and digital electronics or have at least 2 years of electronic experience. Can be repeated for up to a total of 4 credits.

**ET 212B Digital Logic I 4 (3,3,0,0)**

This course is the first semester of a one-year course to study digital logic. It covers number system, logic gates, Boolean algebra and Karnaugh mapping, binary arithmetic and adders, combinational/sequential circuits and their applications. Students taking this course should have a basic understanding of electrical/electronics theory.

**ET 213B Digital Logic II 4 (3,3,0,0)**

Counters and registers, TTL and CMOS integrated circuits, MSI logic circuits, analog/digital interfacing circuits, memory devices, and introduction to microprocessors and microcomputers.

Prerequisite: ET 212B.

**ET 220B Solid State Devices and Circuits I 4 (3,3,0,0)**

Covers characteristics, analysis and operation of rectifier diodes, Zener and other diodes; BJT transistor small-signal and power amplifiers; FET and MOSFET transistors and circuitry.

Prerequisite: ET 132B or Instructor approval.

**ET 222B Solid State Devices and Circuits II 4 (3,3,0,0)**

This course covers amplifier-frequency responses for both discrete and integrated circuits, op-amp circuits, thyristors, oscillators, active filters, and voltage regulators.

Prerequisite: ET 220B.

**ET 224B Vacuum Tube Theory 1-4 (1-3,0-2,0,0)**

This course covers the theory of operation for all electronic tube devices and focuses on the operation of tube based devices Diodes, Triodes, Tetrodes, and Pentodes. The course also covers the use of tube devices in basic circuits such as power supplies. The course is designed for students who have completed courses in electronic devices or have at least 2 years of electronic experience. Can be repeated for a total of 4 credits.

Prerequisite: ET 132B.

**ET 228B Data Acquisition 3 (2,3,0,0)**

This course provides a detailed look at data acquisition components: analog-to-digital converters (ADCs), digital-to-analog converters (DACs), sample and hold amplifiers, sensors, and PLLs. Op-amp theory and applications are also covered.

Prerequisite: ET 132B and 212B.

**ET 238B Device Peripherals 3 (2,2,0,0)**

Covers the key components and sub-assemblies used in slot machines and other self-service devices such as Kiosks, and ATMs. Instruction includes topics such as opto-couplers, thyristors, bill acceptors, and interface standards, microprocessors/controllers, power supplies, switches, and displays.

Prerequisite: ET 131B and 212B.

**ET 270B Electronics Bench Servicing Techniques 4 (3,3,0,0)**

Troubleshooting and servicing television, radio and other home entertainment equipment utilizing general purpose and special purpose test equipment.

**ET 276B Telecommunications 4 (3,3,0,0)**

Topics covered include the Public Switched Telephone Network, the subscriber loop interface, the telephone instrument, trunk circuits, T-Carrier, switching, Voice over IP (VoIP) and telephone company operations.

Prerequisite: ET 131B.

**ET 282B Microprocessors I 3 (2,3,0,0)**

A course on microprocessors and interfacing with real world devices such as drones. Microprocessors will be programmed using assembly and higher level languages such as C. A microprocessor's instruction set will be covered along with its architecture and interface.

Prerequisite: ET 132B and 212B; or Instructor or Program approval.

**ET 285B Electronics Certification/ Examination Preparation 3 (3,0,0,0)**

The course is a review of DC and AC Electronic theory; solid state devices and circuits; digital circuits; microprocessor/microcontroller circuits; operation of test instruments and measurement methods, and troubleshooting of electronics circuits. The course prepares students for certification and employment tests in electronics.

**ET 289B Electrical Troubleshooting 1-4 (1-3,0-3,0,0)**

Maintenance and service of electronic equipment and troubleshooting techniques using electrical measuring and test devices. This course is designed for students who have completed electronics courses that cover DC-AC electronics, semiconductor devices, and digital electronics or have at least 2 years of experience in electronics. Can be repeated for up to a total of 4 credits.

**ET 293B Telecommunication Transmission Methods 3 (2,3,0,0)**

Topics include: Amplitude, Frequency and Pulse Modulation, Modem technologies (wireline, cable and DSL), error control, cyclic codes (CRC-16, Hamming, etc.). Circuit switched and packet transmission of voice and data over SONET and wireless media (fiber optic and microwave) are emphasized.

Prerequisite: ET 132B.



**ET 294B EET Capstone 3 (2,2,0,0)**

Review of electrical circuits, analog and digital electronics, micro-processors; design, fabrication and testing of an emphasis/concentration based project including schematics, wiring diagrams, and software; brief presentation and demonstration of working prototype. This course must be completed for each emphasis/concentration attempted. Course may be repeated up to 9 credits.

Prerequisite: ET 293B or 238B.

**ET 301 Customer Service Management 3 (3,0,0,0)**

This course provides students with an introduction and basic overview of the importance of customer relations and service in business and industry. The course deals with why and how organizations must reach out to customers so they may understand and gain the benefits in doing so. It is about satisfying the customers. It challenges students to use their critical and creative skills in all aspects of the subject.

Prerequisite: Department approval.

**ET 313 Advanced Radar 3 (2,2,0,0)**

Increases understanding of Moving Target Indication (MTI) and Moving Target Detecting (MTD) processing.

Prerequisite: ET 113B.

**ET 389 Advanced Electronics Troubleshooting 3 (2,3,0,0)**

This course is a study of the systematic techniques for troubleshooting electronic equipment. Logical procedures are emphasized rather than specific circuits. Students are required to troubleshoot and repair selected equipment.

Prerequisite: ET 220B and 289B.

**ET 410 Business Telecommunications 3 (3,0,0,0)**

This course provides students with an introduction and basic overview of the field of Business Telecommunications, as well as an introduction to current management and strategic issues. Students will have a working knowledge of many of the telecommunications components and associated terminology as they apply to business in this age of electronic communication.

Prerequisite: ET 108B.

**ET 420 Control Systems 3 (2,3,0,0)**

This course provides various controller synthesis methods that are particularly relevant in practice. The topics include PID design, algebraic design, optimal control and specific control architectures such as cascade control and feed forward approaches. Moreover, the course puts emphasis on fundamental limits that are introduced by practical equipment such as sensors and actuators.

Prerequisite: MATH 126; and either MATH 127 or 128; and ET 228B.

**ET 430 Electrical Power Systems 3 (2,3,0,0)**

This course studies motors, generators, and techniques employed in the electric power distribution. Topics include: magnetism and magnetic circuits, DC motors and generators, single and three-phase transformers and power systems, single line diagrams, three-phase fault calculations, load considerations, power factor correction, and system considerations.

Prerequisite: MATH 126; and either MATH 127 or 128; and ET 132B.

**ET 494 Senior Project 3 (2,3,0,0)**

This course requires the planning and designing of a project in consultation with faculty advisors and industry contacts (as required). The project is built, tested and demonstrated. Written technical reports and oral presentations of the project are required. This class must be taken in the student's final semester.

Prerequisite: Department approval.

### Food and Beverage

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**FAB 102 Sanitation for the Food Service Industry 2 (2,0,0,0)**

Designed to provide an overview of the theory and practice of food safety and sanitation for food service operations. Emphasis is placed on methods that help an operation prevent foodborne illness outbreaks. Students have an opportunity to earn a ServSafe Food Protection Manager Certification.

**FAB 112 Restaurant Management I 3 (2,3,0,0)**

Designed to provide an overview of the principles of restaurant management and operations. During the laboratory portion of the course students will develop skills through hands-on practical application in Russell's (CSN's on-campus, full service, open to the public restaurant).

Prerequisite: ENG 100 or 101 or 102 or 107 or 113 or 205 or higher with a grade of C or better.

**FAB 160 Hospitality Purchasing 3 (3,0,0,0)**

Students learn the fundamental principles of purchasing food, beverages, supplies, equipment, and contract services.

Prerequisite: MATH 104B or above (except MATH 122, 123).

**FAB 167 Food Service Nutrition 2 (2,0,0,0)**

Designed to teach the fundamentals of nutrition and the basics of nutritionally balanced recipe and menu planning.

**FAB 190B Bartending 3 (2,2,0,0)**

A basic class devoted to developing the skills necessary to function as a bartender in a Hospitality operation. This is a hands-on course covering mixology of liquors and the handling of all types of alcoholic beverages. Must be 21 or older





**FAB 210 Fundamentals of Food and Beverage Control 3 (3,0,0,0)**

Cost control in the food service operation through sound procedures, controlled food production, inventories, storeroom issues, standardized recipes, effective labor practices and maintenance of records.

Prerequisite: FAB 160; and MATH 104B or 120 or 124 or 126.

**FAB 230 Menu Planning 3 (3,0,0,0)**

The basics of planning menus for a variety of food service establishments. Students will learn marketing and merchandising menus, menu development and costing, basic menu printing software and develop their own individual menus.

Prerequisite: FAB 112 with a grade of C or better.

**FAB 271 Wine Appreciation 3 (3,0,0,0)**

A comprehensive course on the wines of the world. The art of wine making, geographical identification of wine regions, ordering and serving of fine wines, history of wines and the proper matching of wines with foods. Each class meeting will include the tasting of several wines. Minimum age for enrollment is 21.

**FAB 272 Liquor and Bar Management 3 (3,0,0,0)**

A survey of the service and control of wines, liquors and beers, including discussion of taxes and local, state and national laws relating to the liquor industry. Student must be 21 or older.

**FAB 285 Catering Management 3 (3,0,0,0)**

Course teaches students how to market, sell, organize, plan, and execute catered affairs. Includes various types of meeting room setups used to meet customer requirements.

Prerequisite: FAB 112 or TCA 188 with a C- or better.

**FAB 295 Work Experience in Food Service 1 (0,0,0,1)**

In addition to the academic requirements, the Department of Hospitality Management requires 200 hours of acceptable employment in the hospitality industry. This work experience will be measured qualitatively as well as quantitatively. The work experience requirement should be met during the school year or in summers. Students who plan to transfer to UNLV will be able to transfer a maximum of 500 hours of employment toward UNLV's 1000-hour employment requirement. International students must go to the office of International Student Services to verify employment eligibility and obtain authorization. This course can be repeated up to a maximum of four credits. Grade will be given upon verification of employment.

**Filipino****FIL 101B Basics of Filipino I 3 (3,0,0,0)**

A course emphasizing spoken communication. Focus is on speaking, listening, reading and writing skills. A vocabulary of Filipino-English words developed.

**FIL 102B Basics of Filipino II 3 (3,0,0,0)**

A course continuing the development of skills acquired in FIL 101B. Increased fluency and further vocabulary development stressed.

Prerequisite: FIL 101B.

**FIL 111 First Year Filipino I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing. Oral emphasis.

**FIL 112 First Year Filipino II 4 (4,0,0,0)**

A second-semester course designed to continue the development of language skills learned in FIL 111.

Prerequisite: FIL 111.

**Banking and Finance****FIN 101 Personal Finance 3 (3,0,0,0)**

A study of the techniques of managing personal income, savings and expenses, making wise purchase decisions, and insuring, investing and controlling financial resources.

**FIN 115 Introduction to Investments 3 (3,0,0,0)**

Major types of investment securities and the markets in which they are traded. Mechanics of making an investment, including basic analytical and valuation techniques and a survey of investment literature and terms.

**Floral Design****FLOR 102B Introduction to Floral Design 3 (3,1,0,0)**

Introductory course covering floral design theory, history, techniques and the skills currently required for employment in the floral design industry. Lab experience covers construction of basic floral products. Successful completion of course offers entry-level employment in field.

**FLOR 106B Permanent Botanicals 3 (3,1,0,0)**

Designed to provide the student with theory and lab experience in the use of artificial materials and dried flowers. Emphasis on mechanics and techniques of construction for home interiors, as well as commercial applications. Preservation processes and interiorscapes included.

Prerequisite: FLOR 102B.

**FLOR 108B Event Balloon Sculptures 1.5 (1,1,0,0)**

Course will address the planning, purchasing, construction, installation and strike of large event balloon decor. Arches, themed decor, props and large sculptures will be constructed.

**FLOR 115B Mega-Department Practices 3 (3,1,0,0)**

Addresses workplace practices common to mega-floral settings like those found in resorts and supermarkets. Job application, task analysis and interiorscape planning/installation are covered.

Prerequisite: FLOR 102B.



**FLOR 202B Tributes and Traditions 3 (2,2,0,0)**

A study of the effects of international influences on florals. Cultural differences in expression through floral tributes will be explored through customs, practices and traditions of many countries. Retail practices in the handling and styling of floral tributes specific to funerals with cross applications to other situations.

Prerequisite: FLOR 102B.

**FLOR 204B Traditional Weddings 3 (2,2,0,0)**

Designed to provide the student with theory and lab experience in the styling of floral pieces specific to weddings. Body flowers, carrying pieces, ceremony and reception designs will be executed. Consultation, service and delivery procedures will be covered, as well as ordering and pricing.

Prerequisite: COM 115 and FLOR 102B.

**FLOR 206B Beginning Ikebana 3 (2,2,0,0)**

Course includes history, techniques and skills specific to the Japanese art of floral design with direct application to commercial floristry. Specialized tools and containers will be required to complete lab projects reflecting the many styles of Ikebana designs.

Prerequisite: FLOR 102B.

**FLOR 208B Creativity and Competition 3 (2,2,0,0)**

Principles and practices of the creative process will be developed to enhance design skills. Students will apply these skills to prepare for industry competition.

Prerequisite: FLOR 102B.

**FLOR 216B Advanced Ikebana 3 (2,2,0,0)**

A continuation of FLOR 206B Beginning Ikebana. In-depth study of advanced styles and masters of Ikebana.

Prerequisite: FLOR 206B.

**FLOR 220B Events and Display 3 (2,2,0,0)**

Comprehensive information regarding planning, organizing, managing and delivering designs for special occasions. Party props, room decor, table treatments, lighting and display elements are emphasized along with art principles and creative thematic approaches to floral design.

Prerequisite: FLOR 102B.

**FLOR 224B Techniques and Mechanics 1.5 (1.5,0.5,0,0)**

Course addresses unique approaches to floral design mechanics and techniques for advanced design situations, including working in glass, hi-style, bridal/body flowers, naturalistic applications and European design.

Prerequisite: FLOR 102B or Instructor approval.

**FLOR 225B Color and Product Mix 1.5 (1.5,0.5,0,0)**

Course addresses the use of color as an aesthetic sales tool in the manufacture of floral products. Focus is on selection of product as it relates to color, as well as combining materials to maximize each composition in respect to texture, unity, rhythm, line, form, and balance.

Prerequisite: FLOR 102B or Instructor approval.

**FLOR 240B Advanced Weddings 3 (2,2,0,0)**

Designed to provide the student with theory and lab experience in the styling of floral pieces specific to weddings. Adapting European Designs and techniques. Body flowers, carry pieces, ceremony and reception designs will be executed. Consultation, service and delivery procedures will be covered, as well as ordering and pricing.

Prerequisite: FLOR 204B.

**FLOR 295B Floral Careers Internship 1-4 (0,0,0,5-20)**

Designed to provide the student with on-the-job supervised and educationally directed work experience in the floral industry. One credit may be earned for each 75 hours worked. Variable to four credits per semester, repeatable not to exceed eight credits total. International students must go to the International Center to verify employment and obtain authorization. After registering, contact Floral Design Program for placement. Instructor approval required.

**FLOR 299B Selected Topics 1-5 (1-3,0-4,0,0)**

Topics will vary and cover both business and design information relevant to commercial floristry, including industry experts and hands-on labs. Dates and times will vary.

**Facility Maintenance and Manufacturing****FMM 101B Introduction to Workplace Safety 1 (1.5,0,0,0)**

This course provides an overview of 29 CFR 1910 and 1926 as applied to the Manufacturing and Facilities Maintenance field. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**FMM 103B First Aid/CPR 0.5 (0.66,0,0,0)**

This course covers the required items for certification of basic first aid and CPR. American Heart Association certification card will be issued upon successful completion of the course. Graded Pass/Fail.

**FMM 105B Six Sigma Yellow Belt 2 (2,0,0,0)**

The Six Sigma Yellow Belt course provides overall insight into the techniques of Six Sigma, its metrics, and basic improvement methodologies. The course also provides an introduction to process management and the basic tools of Six Sigma, giving students a stronger understanding of its processes. Graded Pass/Fail.





**FMM 107B Six Sigma Green Belt 2 (2,0,0,0)**

The Six Sigma Green Belt course provides an individual with an oversight of the skills required to function within his or her function-specific area of an organization. The course also provides participants with enhanced problem-solving skills, including an emphasis on the DMAIC (Define, Measure, Analyze, Improve, and Control) model. Graded Pass/Fail.

**FMM 111B N.C.C.E.R. Core 4 (4,0,0,0)**

The course uses basic safety and workplace modules from the National Center for Construction Education and Research (NCCER) that meet the technical skill goals of each of the content areas.

**FMM 113B N.C.C.E.R. Electrical 5 (3,2,0,0)**

The course uses modules from the National Center for Construction Education and Research (NCCER) that meet the technical skill requirements of individuals working in the Electrical field. Lab Volt equipment and troubleshooting activities are correlated to supplement the NCCER curriculum for hands-on practice and technical skills training.

Prerequisite: FMM 101B.

**FMM 115B Industrial Controls 5 (3,2,0,0)**

This course is designed to teach the theory and techniques of electric motor controllers. Students will select and mount control devices to form typical control circuits, and to troubleshoot them once a fault is inserted.

Prerequisite: FMM 101B.

**FMM 117B Control of Industrial Motors 4 (2,2,0,0)**

The course studies topics in industrial-motor control through the use of block, wiring, and schematic diagrams. Mechanical and electrical assembly of control circuits is accomplished without the use of hand tools.

Prerequisite: FMM 101B.

**FMM 121B Fundamentals of Pneumatics 4 (2,2,0,0)**

The course is divided into the study of the following subsystems: Pneumatics Fundamentals, Electrical Control of Pneumatic Systems, Pneumatic Applications- PLC (programmable logic controller), Troubleshooting Pneumatic Circuits, Servo Control of Pneumatic Systems, and Sensors.

Prerequisite: FMM 101B.

**FMM 123B Hydraulic Systems 4 (2,2,0,0)**

The training program is divided into the following subsystems: Hydraulics Fundamentals, Electrical Control of Hydraulic Systems, Hydraulic Applications- PLC (programmable logic controller), Troubleshooting Hydraulic Circuits, Servo Control of Hydraulic Systems, and Sensors.

Prerequisite: FMM 101B.

**FMM 131B Manufacturing Systems I 4 (2,2,0,0)**

Simulates the operation of a production line allowing students to familiarize themselves with manufacturing applications commonly encountered in modern facilities and to experience realistic industry situations.

Prerequisite: FMM 101B; and MT 115B with a grade of C or higher.

**FMM 133B Manufacturing Systems II 4 (2,2,0,0)**

Continuation of FMM 131 with the addition of real-world industrial components. Students will be able to strengthen their understanding of a number of related technologies, including artificial vision, power electronics, automatic storage and retrieval, sensors, and wiring.

Prerequisite: FMM 131B with a grade of C or higher.

**FMM 141B Mechanical Systems I 4 (2,2,0,0)**

Covered topics include the installation, use, maintenance, and troubleshooting of mechanical drive components. The systems are divided into five levels, and each level is further divided into specific topics which deal with the components encountered in the industry. The learning is based on practical, hands-on tasks.

**FMM 143B Mechanical Systems II 4 (2,2,0,0)**

Continuation of FMM 141B. This course covers the installation, use, maintenance, and troubleshooting of mechanical drive components covered in Level I in greater detail. There is a stronger concentration of hands-on tasks.

Prerequisite: FMM 141B with a grade of C or higher.

**FMM 145B Robotics in the Manufacturing Industry 3 (1,2,0,0)**

This course is designed to teach the theory and techniques of industrial robotics, through the curriculum and hands-on exercises. Topics covered are programming and operation of industrial robotics. Additional topics include automated work cells and computer integrated manufacturing.

Prerequisite: FMM 101B.

**FMM 151B N.C.C.E.R. HVAC 5 (3,2,0,0)**

This course uses HVAC modules from the National Center for Construction Education and Research (NCCER) that meet the technical skill requirements of individuals working in the HVAC field. Training equipment and troubleshooting activities are correlated to supplement the NCCER curriculum for hands-on practice and technical skills training.

Prerequisite: FMM 101B.



**FMM 153B HVAC Energy Management 4 (2,2,0,0)**

This course is designed to introduce students to the principles and components of air handling and energy management. Additional topics include manual system control as well as automatic control via a programmable logic controller (PLC).

Prerequisite: FMM 101B.

**FMM 161B N.C.C.E.R. Plumbing 5 (3,2,0,0)**

This course uses plumbing modules from the National Center for Construction Education and Research (NCCER) that meet the technical skill requirements of individuals working in the plumbing field. Training equipment and troubleshooting activities are correlated to supplement the NCCER curriculum for hands-on practice and technical skills training.

Prerequisite: FMM 101B.

**FMM 171B Internship 2 (1,0,0,6)**

Supervised work experience with selected manufacturing employers. All core classes must be completed with a minimum 2.5 GPA. Course can be repeated up to three (3) times.

Prerequisite: Director or Department Chair approval.

## French

**FREN 101B Conversational French I 3 (3,0,0,0)**

A course emphasizing spoken communications. Speaking skills, oral listening skills, reading and writing skills explored. A vocabulary of French-English words developed.

**FREN 102B Conversational French II 3 (3,0,0,0)**

A course emphasizing a continuation of skills acquired in FREN 101B. Increased fluency and further vocabulary development stressed.

**FREN 103 First Year Business French I 4 (4,0,0,0)**

A course that deals intensively with French business practices and French business language intended for students who encounter French-speaking clients in various professional situations.

**FREN 104 First Year Business French II 4 (4,0,0,0)**

An applied language course for learners who want to communicate with ease with French-speaking clients and further their knowledge of commercial and managerial French.

Prerequisite: FREN 103.

**FREN 107 French for Hotel, Restaurant and Tourism I 3 (3,0,0,0)**

Students with no prior knowledge of French who work in hotels, restaurants or in tourist settings learn to communicate effectively with their French-speaking clientele.

**FREN 111 First Year French I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing. Emphasis is placed on communication in all four language acquisition skills.

**FREN 112 First Year French II 4 (4,0,0,0)**

The further development of language skills in listening, speaking, reading and writing. Emphasis is placed on more sophisticated communication in all four language acquisition skills.

Prerequisite: FREN 111 or equivalent.

**FREN 203 Second Year Business French I 4 (4,0,0,0)**

An applied intermediate language course for learners who want to further perfect their ability in business French and their knowledge of French business practices.

**FREN 204 Second Year Business French II 4 (4,0,0,0)**

An applied intermediate language course for learners who want to perfect their language abilities and knowledge of business French and French business practices.

Prerequisite: FREN 203.

**FREN 207 French for Hotel, Restaurant and Tourism II 2 (2,0,0,0)**

Students with previous knowledge of French in the area of hotel, restaurant and tourism increase their communication skills in their respective employment fields.

Prerequisite: FREN 107.

**FREN 211 Second Year French I 3 (3,0,0,0)**

Continuation of French language skills and intensive reviews of grammatical structures, listening, speaking, reading and writing skills through an introduction to French literary readings.

Prerequisite: FREN 112 or equivalent.

**FREN 212 Second Year French II 3 (3,0,0,0)**

Further amelioration and perfection of grammatical, listening, speaking, reading and writing skills through selected French literary readings.

Prerequisite: FREN 211 or equivalent



## Fire Science Technology

### **FT 101 Principles of Emergency Services 3 (3,0,0,0)**

This course provides an overview to fire protection and emergency services; career opportunities in fire protection and related fields; culture and history of emergency services; fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; introduction to fire strategy and tactics; life safety initiatives. FESHE Core Course.

### **FT 104 Nevada Firefighter I 3 (3,0,0,0)**

This course will familiarize the student with the general rules and regulations of fire fighting, use and explanation of forcible entry, protective breathing apparatus, fire streams, first aid, ropes, salvage, fire hose, nozzles and apparatus, ladders, ventilation, inspection, rescue, sprinklers, fire alarms and communications, safety and fire behavior.

Prerequisite: FT 101.

### **FT 105 Fire Behavior and Combustion 3 (3,0,0,0)**

This course explores the theories and fundamentals of how and why fires start, spread and are controlled. FESHE Core Course.

### **FT 109B Internship in Firefighting 1 (0,0,0,4)**

This course will provide students with work experience and skills sign-offs that meet the National Fire Protection Association's Firefighter I criteria. This course will make the student eligible to take the Nevada Fire Fighter I exam. Students must have proof of insurance.

Prerequisites: FT 101 and 104; and EMS 108B.

### **FT 110 Basic Wildland Firefighting 3 (3,0,0,0)**

Addresses the basic elements of wildland fire protection, fire behavior, department organization, apparatus and equipment, fire safety and incident command organization.

### **FT 121 Fire Prevention 3 (3,0,0,0)**

This course provides fundamental knowledge relating to the field of fire prevention. Topics include: history and philosophy of fire prevention; organization and operation of a fire prevention bureau; use and application of codes and standards; plans review; fire inspections; fire and life safety education; and fire investigation. FESHE Core Course.

### **FT 125 Building Construction for Fire Protection 3 (3,0,0,0)**

This course provides the components of building construction related to firefighter and life safety. The elements of construction and design of structures are shown to be key factors when inspecting buildings, preplanning fire operations, and operating at emergencies. FESHE Core Course.

### **FT 126 Fire Investigation I 3 (3,0,0,0)**

This course is intended to provide the student with the fundamentals and technical knowledge needed for proper fire scene interpretations, including recognizing and conducting origin and cause, preservation of evidence and documentation, scene security, motives of the firesetter, and types of fire causes. FESHE Non-Core Course.

Prerequisite: FT 101 and 125; or Instructor approval.

### **FT 131 Hazardous Materials Chemistry 3 (3,0,0,0)**

This course provides basic chemistry relating to the categories of hazardous materials including recognition, identification, reactivity, transportation, awareness, and health hazards encountered by emergency services. FESHE Non-Core Course. This course qualifies the student to take the State Fire Marshal Hazardous Materials Awareness and Operations State Exam.

Prerequisite: FT 101 or Instructor approval.

### **FT 150 Apparatus and Equipment 3 (3,0,0,0)**

Operation of fire department apparatus and equipment. Driving techniques, traffic laws and restrictions relating to fire apparatus. Construction and maintenance of equipment also stressed.

### **FT 151 Fire Protection Hydraulics and Water Supply 3 (3,0,0,0)**

This course provides a foundation of theoretical knowledge in order to understand the principles of the use of water in fire protection and to apply hydraulic principles to analyze and to solve water supply problems. FESHE Non-Core Course.

Prerequisite: FT 101 and MATH 104B; or Instructor approval.

### **FT 152 Legal Aspects of Emergency Services 3 (3,0,0,0)**

This course will address the Federal, State, and local laws that regulate emergency services and include a review of national standards, regulations, and consensus standards. FESHE Non-Core Course.

Prerequisite: FT 101 or Instructor approval.



**FT 153 Occupational Safety and Health for Emergency Services 3 (3,0,0,0)**

This course introduces the basic concepts of occupational health and safety as it relates to emergency service organizations. Topics include risk and hazard evaluation and control procedures for emergency service organizations. FESHE Non-Core Course.

Prerequisite: FT 104 or Instructor approval.

**FT 154 Principles of Fire and Emergency Services Safety and Survival 3 (3,0,0,0)**

This course introduces the basic principles and history related to the national firefighter life safety initiatives, focusing on the need for cultural and behavior change throughout the emergency services. FESHE Core Course.

Prerequisite: FT 101 or Instructor approval.

**FT 190 Fire Instructor 3 (3,0,0,0)**

Topics included are the role of the instructor, preparing instructional objectives, communication skills, use of visual aids, and practice teaching techniques. Meets NFPA Standard 1041, Fire Instructor Training. Those completing the course will be certified as Fire Instructor I by the Nevada State Fire Marshal.

Prerequisite: FT 101 and 104; or Instructor approval.

**FT 191 Introduction to Company Officer 3 (3,0,0,0)**

This is an entry-level course which prepares the students to recognize the fire service company officer's role. It will examine group dynamics, communication, fire department organizational structure, fire ground and station management. This course partially meets the National Fire Protection Association's standard for Fire Officer. This course qualifies the student to take the State Fire Officer I exam.

Prerequisite: FT 101 and 104; or Instructor approval.

**FT 224 Fire Protection Systems 3 (3,0,0,0)**

This course provides information relating to the features of design and operation of fire alarm systems, water-based fire suppression systems, special hazard fire suppression systems, water supply for fire protection and portable fire extinguishers. FESHE Core Course.

**FT 226 Fire Investigation II 3 (3,0,0,0)**

This course is intended to provide the student with advanced technical knowledge on the rule of law, fire scene analysis, fire behavior, arson evidence collection and preservation, scene documentation, case preparation, and courtroom testimony. FESHE Non-Core Course.

Prerequisite: FT 126.

**FT 243 Strategy and Tactics 3 (3,0,0,0)**

This course provides the principles of fire ground control through utilization of personnel, equipment, and extinguishing agents. FESHE Non-Core Course.

Prerequisite: FT 101 and 104; or Instructor approval.

**FT 291 Fire and Emergency Services Administration 3 (3,0,0,0)**

This course introduces the student to the organization and management of a fire and emergency services department and the relationship of government agencies to the fire service. Emphasis is placed on fire and emergency service, ethics, and leadership from the perspective of the company officer. FESHE Non-Core Course.

Prerequisite: FT 101 or Instructor approval.

**FT 298 Seminar in Fire Management 3 (3,0,0,0)**

Selected topics in Fire Management.

**FT 300 Fire Dynamics 3 (3,0,0,0)**

This course examines the underlying principles involved in structural fire protection systems, building furnishings, and fire protection systems, including water-based fire suppression systems, fire alarm and detection systems, special hazard suppression systems, and smoke management systems. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 301 Political and Legal Foundations for Fire Protection 3 (3,0,0,0)**

This course examines the legal aspects of the fire service and the political and social impacts of legal issues. This course includes a review of the American legal system and in-depth coverage of legal and political issues involving employment and personnel matters, administrative and operational matters, planning and code enforcement, and legislative and political processes with regard to the fire service. FESHE Core Course.

Prerequisite: Instructor approval.

**FT 302 Fire and Emergency Services Administration 3 (3,0,0,0)**

This course is designed to be a progressive primer for students who want more knowledge about fire and emergency services administration. The course demonstrates the importance of the following skills necessary to manage and lead a fire and emergency services department through the challenges and changes of the 21st century: persuasion and influence, accountable budgeting, anticipation of challenges and the need for change, and using specific management tools for analyzing and solving problems. A central part of the course focuses on how the leadership of a fire and emergency services department develops internal and external cooperation to create a coordinated approach to achieving the department's mission. FESHE Core Course.

Prerequisite: Instructor approval.





**FT 303 Personnel Management for Fire and Emergency Services 3 (3,0,0,0)**

This course examines relationships and issues in personnel administration and human resource development within the context of fire-related organizations, including personnel management, organizational development, productivity, recruitment and selection, performance management systems, discipline, and collective bargaining. FESHE Core Course.

Prerequisite: Instructor approval.

**FT 304 Fire Prevention Organization and Management 3 (3,0,0,0)**

This course examines the factors that shape fire risk and the tools for fire prevention, including risk reduction education, codes and standards, inspection and plans review, fire investigation, research, master planning, various types of influences, and strategies. FESHE Core Course.

Prerequisite: Instructor approval.

**FT 305 Managerial Issues in Hazardous Materials 3 (3,0,0,0)**

This course presents current issues in management of a department-wide hazardous materials program. It includes issues that are pertinent to officers and managers in public safety departments, including regulations and requirements for hazardous materials (hazmat) preparedness, response, storage, transportation, handling and use, and the emergency response to terrorism threat/incident. Subjects covered include State, local, and Federal emergency response planning, personnel and training, and operational considerations such as determining strategic goals and tactical objectives. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 306 Financial Management for Fire and Emergency Services 3 (3,0,0,0)**

Provides an overview of fiscal administration in the public sector at all levels of government. Introduces students to basic concepts and practices in two key areas: government revenues and budgeting.

Prerequisite: Instructor approval.

**FT 400 Fire Investigation and Analysis 3 (3,0,0,0)**

This course examines the technical, investigative, legal, and social aspects of arson, including principles of incendiary fire analysis and detection, environmental and psychological factors of arson, legal considerations, intervention, and mitigation strategies. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 401 Fire Protection Structures and Systems 3 (3,0,0,0)**

This course examines the underlying principles involved in structural fire protection systems, building furnishings, and fire protection systems including water-based fire suppression systems, fire alarm and detection systems, special hazard suppression systems, and smoke management systems. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 402 Fire Related Human Behavior 3 (3,0,0,0)**

This course presents a study of human behavior in fire and other emergency situations. Students will examine current and past research on human behavior, systems models, life safety education, and building design to determine interactions of these areas in emergency situations. Students will develop an understanding of a best-practice building life safety system as one that combines knowledge in the areas of psychology and sociology joined with engineering and education to produce the best possible outcomes in terms of human survivability in an emergency. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 403 Disaster Planning and Control 3 (3,0,0,0)**

This course examines concepts and principles of community risk assessment, planning, and response to fires and natural and human-caused disasters, including National Incident Management System--Incident Command Systems (NIMS ICS), mutual aid and automatic response, training and preparedness, communications, civil disturbances, terrorist threats/incidents, hazardous materials planning, mass casualty incidents, earthquake preparedness, and disaster mitigation and recovery. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 404 Analytical Approaches to Public Fire Protection 3 (3,0,0,0)**

This course examines the tools and techniques of rational decision making in fire and emergency services agencies, including data collection, statistics, probability, decision analysis, utility modeling, resource allocation, and cost-benefit analysis. FESHE Non-Core Course.

Prerequisite: Instructor approval.

**FT 405 Community Risk Reduction for Fire and Emergency Services 3 (3,0,0,0)**

This course provides a theoretical framework for the understanding of the ethical, sociological, organizational, political, and legal components of community risk reduction, and a methodology for the development of a comprehensive community risk reduction plan. FESHE Core Course.

Prerequisite: Instructor approval.



**FT 406 Applications of Fire Research 3 (3,0,0,0)**

This course examines the basic principles of research and methodology for analyzing current fire-related research. The course also provides a framework for conducting and evaluating independent research in the following areas: fire dynamics, fire test standards and codes, fire safety, fire modeling, structural fire safety, life-safety, firefighter health and safety, automatic detection and suppression, transportation fire hazards, risk analysis and loss control, fire service applied research and new trends in fire-related research. FESHE Core Course.

Prerequisite: Instructor approval.

**Casino Management****GAM 103 Casino Cage Operations 3 (3,0,0,0)**

An introduction to casino cage and credit operational standards, casino cage design, bankroll accountability, cage cashier operational procedures, fill and credit standards, casino credit instruments, central credit, soft count operational procedures, check cashing, casino accounting and auditing, Title 31 compliance, and casino cage managerial techniques.

**GAM 106 Casino Floor Supervision 3 (3,0,0,0)**

Basic casino managerial techniques with an emphasis on the protection of casino games, staffing, labor/management relations, floor, pit, and shift supervision, minimum internal control standards, player ratings, currency transaction reporting, credit standards, table games accounting, and table games mathematics.

Prerequisite: MATH 104B or MATH 124 or above; with a grade of C or higher.

**GAM 108 Slots Management I 3 (3,0,0,0)**

Basic slots management techniques with an emphasis on the laws and regulations that affect slot operations, slot machine components, classifications, and functionality, current and future technology trends, consumer behavior and slot machine psychology, game selection methodologies, slot floor layout considerations, slot mathematics, slot financial reporting and analysis and human resources and customer service issues.

**GAM 109 Slots Management II 3 (3,0,0,0)**

An in-depth analytical approach to slots management. Slot performance indicators are addressed including financial analysis, incremental contribution and measurement, slot statistics, game match and PAR sheet elements, performance metrics, analysis, and evaluation, slot location effects, and player analysis.

**GAM 119 Blackjack Dealing 3 (3,0,0,0)**

Fundamentals of dealing Blackjack with an emphasis on card totaling, chip handling, shuffling, multiple deck delivery, payoffs odds, various play options, accuracy and game speed. Novelty game dealing procedures are introduced including Let-it-Ride Poker, Three Card Poker, Crazy 4 Poker, Ultimate Texas Hold 'Em Poker, Pai Gow Poker, and Casino War. Special attention given to the managerial aspects of Blackjack.

**GAM 121 Craps Dealing 3 (3,0,0,0)**

Fundamentals of dealing Craps with an emphasis on accurate and quick mental multiplication, base and stick procedures, chip handling, and take and pay sequencing. Various bets including pass line, don't pass, field, big 6, big 8, come, don't come, true odds, place, buy, lay, and propositions are introduced. Special attention given to managerial aspects of Craps.

**GAM 122 Roulette Dealing 3 (3,0,0,0)**

Fundamentals of dealing Roulette with an emphasis on accurate and quick mental computations, chip handling techniques, spinning the ball and wheel, stack pushing techniques, outside betting procedures and payoffs, inside betting procedures and payoffs, complex payoffs, table limits, pattern recognition, chip values, and conversions. Special attention given to the managerial aspects of Roulette.

**GAM 123 Baccarat Dealing 3 (3,0,0,0)**

Fundamentals of dealing Baccarat with an emphasis on chip handling techniques, the third card rule, stick calls, banker bets, player bets, tie bets, commissions, hand delivery techniques, rim credit, call bets, player shoe control, and high-limit customer relations. Mini-Baccarat, Midi-Baccarat, and Big Baccarat styles are addressed. Special attention given to the managerial aspects of Baccarat.

**GAM 124 Poker Dealing 3 (3,0,0,0)**

Fundamentals of dealing Poker with an emphasis on accurate and quick mental computations, card handling, the rake, side pots, brushing, shilling, proposition players, procedures, game speed and the various forms of Poker. Special attention given to the managerial aspects of Poker.

**GAM 126 Pai Gow Tiles Dealing 3 (3,0,0,0)**

Fundamentals of dealing Pai Gow Tiles with an emphasis on tile rankings, house ways, exceptions, tile handling techniques, player banking procedures, various tile deliveries, commissions, mental computations, accuracy, game speed and the importance of customer relations. Special attention given to the managerial aspects of Pai Gow Tiles.

**GAM 131 Race and Sports Book Management 3 (3,0,0,0)**

This course prepares students in the specific techniques and methods of the daily operations of Nevada race and sports books. Students will be made aware of supervision and managerial responsibilities of book operations. Topics include operating budgets, marketing, state regulations and bookmaking theory.

**GAM 204 Introduction to Casino Marketing 3 (3,0,0,0)**

An overview of casino marketing and how the marketing function impacts the casino organization. Topics include casino promotions, database marketing techniques, dead chip programs, discounting, casino hosting, credit procedures, marketing policies and procedures, amenities, and the casino marketing plan.

Prerequisite: MATH 104B or MATH 124 or above; with a grade of C or higher.





**GAM 206 Casino Surveillance 3 (3,0,0,0)**

All aspects of modern casino surveillance including an overview of surveillance operations, reporting procedures, internal theft, procedure violations, cheating and advantage play, basic strategy, biometric technologies, evidence, civil liabilities, detection and prevention techniques, surveillance equipment, surveillance management, and gaming control board requirements.

**GAM 207 Table Games Management 3 (3,0,0,0)**

Advanced table games management techniques with an emphasis on game productivity, gaming mathematics, table games marketing and promotions, advanced game protection strategies, customer service, table games human capital management, and an in-depth analysis of table games profitability factors.

**GAM 208 Casino Business Strategy 3 (3,0,0,0)**

Fundamentals of the strategic business processes of a casino organization from internal and external perspectives. Topics include casino economics, environmental factors including social, political, legal and competitive forces, consumer behaviors, development of a corporate culture, internal controls, and the future of the gaming industry.

**GAM 210 Casino Customer Service 3 (3,0,0,0)**

Fundamentals of the theory, practice and management of guest service and how it impacts the success of a casino organization with an emphasis on service strategies, staffing issues, and service systems. Topics include the dynamics of guest satisfaction, service quality and value, planning and analysis, the service environment, training and motivation, establishment of a total service culture, guest co-production, communications, service failure recover techniques, delivery systems, and measurement of service results.

**GAM 222 European Roulette Dealing 3 (3,0,0,0)**

Fundamentals of dealing European Roulette with an emphasis on advanced conversions, progressive limits, neighbor bets, section bets, complete bets, overlapping maximums, finale bets, complete piece layouts, station payouts, mental computations, accuracy, game speed, and the importance of customer relations. Special attention given to the managerial aspects of European Roulette. Knowledge of 00 Roulette dealing procedures is strongly recommended for this course.

**GAM 225 Introduction to Gaming Management 3 (3,0,0,0)**

Overview of the casino; topics include the economics of the casino, its interface with the hotel, organizations and terminology.

Prerequisite: ENG 100 or 101 or 113; with a grade of C or higher

**GAM 235 Gaming Laws and Regulations 3 (3,0,0,0)**

A survey of the laws and regulations pertaining to the gaming and hospitality industry. Specific emphasis includes a review and application of Nevada gaming laws, regulations, and statutes, compliance requirements of gaming licensees, licensing and registration requirements, gaming and property crimes, patron disputes, tort laws, and liabilities of the licensee.

**GAM 295 Work Experience in Casino/Gaming 1 (0,0,0,1)**

In addition to the academic requirements, the Department of Hospitality Management requires 200 hours of acceptable employment in the hospitality industry. This work experience will be measured qualitatively as well as quantitatively. The work experience requirement should be met during the school year or in summers. Students who plan to transfer to UNLV will be able to transfer a maximum of 500 hours of employment toward UNLV's 1000-hour employment requirement. International students must go to the office of International Student Services to verify employment eligibility and obtain authorization. This course can be repeated up to a maximum of four credits. Grade will be given upon verification of employment.

**Geography****GEOG 103 Physical Geography 3 (3,0,0,0)**

Physical geography examines the spatial relationships between humans and the environment. A comprehensive and integrating science, physical geography allows the integration of earth systems such as weather, land formations, and earth patterns. Continuous integration of maps, atlases, internet and geographic information system technology.

**GEOG 104 Physical Geography Laboratory 1 (0,3,0,0)**

Course provides an opportunity to apply concepts in physical geography, including map interpretation, computer GIS, meteorological processes, development of landforms and an understanding of the dynamics of the earth.

Prerequisite: GEOG 103, which may be taken concurrently.

**GEOG 106 Introduction to Cultural Geography 3 (3,0,0,0)**

An analysis of the cultural regions of the world, physical settings, peoples, settlements, economic activities and historical and political factors.

**GEOG 116 Oceanography 3 (3,0,0,0)**

In this course we will explore our world's oceans and the role of the ocean in the Earth's system. Topics covered will include the flow and transformations of water and energy into and out of the ocean, the physical and chemical properties of seawater, ocean circulation, marine life and its adaptations, interactions between the ocean and the other components of the Earth system, and the human/societal impacts on and in response to Earth's System interactions.

**GEOG 117 Meteorology/Climatology 3 (3,0,0,0)**

Studies the composition, structure, and dynamics of the Earth's atmosphere that influences global weather patterns. Meteorology defines weather concepts that provide the basis for forecasting, weather analysis and understanding atmospheric phenomena such as hurricanes, tornadoes and extreme weather. Discussion on human impact of the atmosphere, ozone depletion, greenhouse effect and air pollution.



**GEOG 299 Selected Topics in Physical Geography 1-6 (0,3-18,0,0)**

Covers selected topics of interest to students in physical geography.  
Prerequisite: GEOG 101 or Instructor approval.

## Geology

**GEOL 100 Earthquakes, Volcanoes and Natural Disasters 3 (3,0,0,0)**

Causes of natural disasters and their impact on people and property. Focuses on geological hazards such as earthquakes, volcanic eruptions, landslides, and floods.

**GEOL 101 Geology: Exploring Planet Earth 4 (3,3,0,0)**

Fundamentals of geology including mineral and rock origins through various earth processes. Laboratories include rock identification and interpretation of topographic and geologic maps. Required weekend field trips.

**GEOL 102 Earth and Life Through Time 4 (3,3,0,0)**

The history of Earth through geological time including methods used to recognize fossils and their significance. Laboratories involve paleontology methods, maps and fossil studies. Required weekend field trips.

Prerequisite: GEOL 101 or equivalent.

**GEOL 103 Physical Geology Laboratory 1 (0,1,0,0)**

Designed to introduce basic techniques in identification of minerals and rocks, and in the reading and interpretation of topographic and geologic maps. Includes some field exercises.

Prerequisite or Corequisite: GEOL 101.

**GEOL 105 Introduction to Geology of National Parks 3 (3,3,0,0)**

Geology of selected national parks and monuments in North America with emphasis on surface processes including the causes and effects of Pleistocene glaciation and major tectonic events that have shaped the topography of the United States and Canada.

**GEOL 299 Special Topics in Geology 1-5 (0,3-15,0,0)**

Covers selected topics of interest to students in the geological sciences.

Prerequisite: GEOL 101 or Instructor approval.

## German

**GER 101B Conversational German I 3 (3,0,0,0)**

A course emphasizing spoken communication. Speaking, listening, reading and writing skills explored. German culture also emphasized.

**GER 102B Conversational German II 3 (3,0,0,0)**

A course emphasizing a continuation of the skills acquired in GER 101B. Increased fluency and further vocabulary development stressed.

**GER 107 German for Hotel, Restaurant and Tourism I 3 (3,0,0,0)**

Students with no prior knowledge of German who work in hotels, restaurants, or tourist settings learn to communicate effectively with their German-speaking clientele.

**GER 111 First Year German I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading, and writing. Emphasis is placed on communication in all four language acquisition skills.

**GER 112 First Year German II 4 (4,0,0,0)**

The further development of language skills in listening, speaking, reading, and writing. Emphasis is placed on more sophisticated communication in all four language acquisition skills.

Prerequisite: GER 111 or equivalent.

**GER 207 German for Hotel, Restaurant and Tourism II 2 (2,0,0,0)**

Students with previous knowledge of German in the area of hotel, restaurant and tourism increase their communication skills in their respective employment fields.

Prerequisite: GER 107.

**GER 211 Second Year German I 3 (3,0,0,0)**

Continuation of German language skills and intensive review of grammatical structures, listening, speaking, reading and writing skills through an introduction to German literary readings.

Prerequisite: GER 112 or equivalent.

**GER 212 Second Year German II 3 (3,0,0,0)**

Further amelioration and perfection of grammatical structures, listening, speaking, reading and writing skills through selected German literary readings.

Prerequisite: GER 211 or equivalent.

**GER 232 German Resistance to the Nazis and Hitler 3 (3,0,0,0)**

This course explores the various forms of resistance (religious, communist, union, socialist, military, and political) to National Socialism and Hitler during the Third Reich (1933-1945).



## Geographic Information Systems

### **GIS 109 Introduction to Geographic Information Systems 3 (3,0,0,0)**

This class serves as an introduction into Geographic Information Systems (GIS). This course covers the basic concepts of a GIS. Principles of cartography and spatial analysis will also be covered. The intent of this class is to prepare the student for advanced training using specific GIS software packages.

Prerequisite: IS 100B or 101.

## Global Studies

### **GLO 101 Introduction to Global Studies 3 (3,0,0,0)**

This course explores globalization and analyzes issues with global implications through a myriad of academic and theoretical frameworks.

### **GLO 222 Terrorism and Political Violence 3 (3,0,0,0)**

This interdisciplinary course focuses on the motivation for terrorism and political violence. It addresses the question, "What makes an otherwise ordinary person deliberately attack unarmed civilians who have personally done the perpetrator no wrong and are in no position to redress the perpetrator's grievances?" (Same as PSC 222).

### **GLO 295 Topical Issues In Global Studies 1-3 (1-3,0,0,0)**

This course explores an issue of current interest in global studies. The topic is chosen by the instructor. Can be repeated for up to 6 credits with Department Chair approval.

### **GLO 299 Capstone in Global Studies 3 (0,0,0,3)**

The capstone in global studies involves students conducting an individual research project designed in cooperation with the course instructor and focused on a global issue.

## Graphic Technology

### **GRC 101 Introduction to Graphic Communications 3 (2,2,0,0)**

Broad-based foundation of fundamental theories, issues, concepts, terminologies and methodologies used for creative/design projects in the graphic communications and digital media industries. Entry course for students pursuing print, web, and/or multimedia careers.

### **GRC 103 Introduction to Computer Graphics 3 (2,2,0,0)**

Hands-on approach to fundamental concepts, terminology, technology, and techniques for creating and editing basic bitmap and vector graphics, basic page assembly using industry-standard software and hardware.

### **GRC 104 Layout and Typography 3 (2,2,0,0)**

Introduction to typography and digital page layout. Emphasis on typographical theory, terminology of traditional and digital processes, fundamentals of typographic design and layout, and design for publications and collateral.

### **GRC 107 Introduction to Visual Design 3 (2,2,0,0)**

An introductory course in the application and appreciation of the basic principles and elements of design, including form, shape, value, space, color and composition.

### **GRC 110 Drawing and Illustration 2-3 (1-2,2,0,0)**

Introductory class in developing techniques for visualizing and drawing images with an emphasis on the 2D drawing process using a variety of traditional media and techniques. Drawings are placed into digital design programs to create finished illustrations.

### **GRC 119 Digital Media 3 (2,2,0,0)**

Introduction to the basic concepts of multimedia production using industry standard software. Topics include storyboarding, working with images, audio, video, motion graphics, animation, and outputting to various formats, for multiple uses, using different production processes and workflows.

### **GRC 140 Print Production with InDesign 3 (2,2,0,0)**

Mastering the industry-standard page layout application InDesign to produce single and multiple-page documents for print reproduction. Emphasis on the complete print production workflow using Adobe software to prepare and manage assets and to plan, design, and assemble layouts.

Prerequisite: GRC 101 and 103 and 104.

### **GRC 156B Design with Illustrator 3 (2,2,0,0)**

Thorough exploration of a bézier-curve based application as a professional illustration and design tool. Hands-on projects using Adobe Illustrator.

Prerequisite: GRC 103.

### **GRC 158 Cartooning 3 (2,2,0,0)**

Cartooning characters, newspaper comics, editorials, caricatures, and mascots denoting humorous people and situations.

### **GRC 165B Digital Painting 3 (2,2,0,0)**

The design and development of digital paintings for artistic expression and places of business. Working methods are examined through class demonstrations, discussions, readings, and projects using a variety of digital painting mediums and current technologies as tools.

Prerequisite: GRC 103.



**GRC 175B Web Design I 3 (2,2,0,0)**

Designing and developing websites using HTML, CSS, and software production tools. Emphasis on the design, usability, and features of website development and production processes.

Prerequisite: GRC 103.

**GRC 179 Multimedia Design and Production I 3 (2,2,0,0)**

Overview of Multimedia design and development. Emphasis on how to design real world interactive projects that combine text, graphics, animation, audio, video, and more. Hands-on projects using popular multimedia authoring software for publishing to CD, DVD, and the Web.

Prerequisite: GRC 119.

**GRC 183B Design with Photoshop 3 (2,2,0,0)**

Thorough exploration of continuous tone images and bitmap graphics using Adobe Photoshop. Hands-on projects working with digital photographs, image correction, manipulation, compositing, scanning and illustrative design. Explores the tools and features of the industry standard application.

Prerequisite: GRC 103.

**GRC 185 Computer Animation I 3 (2,2,0,0)**

Beginning 3D animation for multimedia, including modeling, lighting, rendering, and project management. Emphasis on creating content for multimedia, importing 3D files into common authoring programs and publishing to the Web.

Prerequisite: GRC 119.

**GRC 188 Web Animation I 3 (2,2,0,0)**

Creating and publishing animations for the web using industry standard software. Students create multimedia content incorporating graphics, animations, audio, and video.

**GRC 205 History of Design 3 (2,2,0,0)**

An introduction to the evolution of design with emphasis on acquiring knowledge of the basic visual and conceptual skills necessary for understanding the relationship among design, its audience, contexts, and technology.

Prerequisite: GRC 101 and 103 and 104 and 107.

**GRC 207 Intermediate Design 3 (2,2,0,0)**

Basic design concepts, principles, and methodology for effective visual communications in print and multimedia. Class projects involve using the computer exclusively as the tool for preparing design materials and/or as the final medium.

Prerequisite: GRC 104 and 107 and 119 and 140 and 156 and 183.

**GRC 256B Advanced Design with Illustrator 3 (2,2,0,0)**

Advanced digital illustration techniques with emphasis on special projects and graphic solutions using Adobe Illustrator. Students learn techniques that enable and support the application of art and design theories, visual storytelling, the semiotics of visual representations, and other approaches to practice.

Prerequisite: GRC 156B.

**GRC 275B Web Design II 3 (2,2,0,0)**

Intermediate to advanced techniques for designing and developing websites using HTML and CSS. Continued study of design and usability to produce real world projects. Emphasis on site production process, project management, interactive CSS techniques, search engine optimization, and more.

Prerequisite: GRC 175B.

**GRC 276B Web Design III 3 (2,2,0,0)**

Designing and developing interactive websites using advanced HTML, CSS, and JavaScript. Advanced technologies and methodologies will be covered. Emphasis on the design, usability, and features of website development and production processes.

Prerequisite: GRC 275B.

**GRC 278B Advanced Design and Production 3 (2,2,0,0)**

Apply visual communication solutions to business communications needs for real client project demands and deadlines, demonstrating advanced design theory, presentation, file preparation, and industry-standard design and print production workflow skills.

Prerequisite: GRC 140 and 156B and 183B and 207.

**GRC 286B Digital Video Post-Production 3 (2,2,0,0)**

Creating and publishing motion graphics using popular video post production software. Students learn to author motion graphics combining graphics, text, animation, audio, video and more. Students create and publish highly visual programs usable with digital video, common authoring programs, and the web.

Prerequisite: VID 115B.

**GRC 288B Web Animation II 3 (2,2,0,0)**

Intermediate and advanced techniques for creating animations for the web using industry standard software. Students create multimedia content incorporating graphics, animations, interactivity, audio, and video.

Prerequisite: GRC 188.





**GRC 289B Special Projects in Graphic Communications 1-3 (0,0,0,5-15)**

Students work on individual design and communications projects under the direction of a faculty advisor; projects, provided by real world businesses and organizations, relate to the student's selected major emphasis.

Prerequisite: 21 GRC course credits.

**GRC 290 Internship in Graphic Communications 1-8 (0,0,0,5-40)**

Supervised work experience within a selected graphic communications firm, dependent upon student's major emphasis. Designed by company official and faculty advisor to apply knowledge to on-the-job situation. Available to students entering their last semester of instruction for degree. Contact department for applications, screening and required skills evaluation.

**GRC 294B Portfolio Prep 3 (2,2,0,0)**

Development of a customized, professional portfolio for prospective clients and employers. Students will create a résumé, corporate identity, stationery system, leave behind package, and online and offline brand presence. Emphasis on basic marketing tactics and developing, designing and producing a custom portfolio that will showcase strengths and skills.

Prerequisite: GRC 101 and 103 and 104 and 107 and 119 and 207.

## Greek

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**GRE 111 First Year Modern Greek I 4 (4,0,0,0)**

A course emphasizing the development of language skills in listening, speaking, reading and writing. Emphasis is placed on communication in all four language skills.

## Health and Human Performance

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**HHP 110B Introduction to the Health Professions 3 (3,0,0,0)**

This course is designed to provide the student with a survey of the various health careers and subject matter involving the health field today.

**HHP 123B Introduction to the Human Body 4 (4,0,0,0)**

Introductory study of the structural and functional characteristics of the human body and their relationships to health and disease.

**HHP 124B Introduction to the Human Body Computer Lab 1 (0,2,0,0)**

A computer-based laboratory course designed to complement instruction in HHP 123B. Students required to take the lab must do so concurrently with HHP 123B.

**HHP 150 Living Healthy and Well 3 (3,0,0,0)**

This course is a study of healthy living principles as they apply to adult life. Emphasis is placed on the recognition of and prevention of individual decisions that affect one's overall health.

**HHP 190 Exercise, Nutrition and Weight Control 3 (3,0,0,0)**

A basic overview of principles of fitness as they apply to exercise and good nutrition. Emphasis will be placed on the practical application of sound exercise and eating habits and the development of a personalized fitness program. This course is designed for the average person who wishes to gain the knowledge necessary for improved health.

**HHP 201B Stress Management 2 (2,0,0,0)**

An overview of stress, its manifestations, and methods of managing it. Particular emphasis will be placed on the role of exercise in controlling stress and the development of a balanced life-style.

**HHP 203B Sports Nutrition 3 (3,0,0,0)**

A course designed for the fitness professional that explores the link between nutrition, energy metabolism, and exercise. Optimizing exercise performance and making prudent decisions in the nutrition marketplace will be discussed.

**HHP 206B Prevention and Care of Exercise Injuries 2 (2,0,0,0)**

Overview of safety and injury management for the fitness professional. Includes injury prevention, safe use of exercise equipment, contraindicated exercise, facility safety requirements and liability issues.

**HHP 213 Healthy Aging 4 (4,0,0,0)**

A course designed to address the factors affecting the health and fitness status of an individual as that person progresses from early to late adulthood. Recognition and prevention of health and personal fitness problems will be emphasized.

**HHP 227B Topics in Alternative Medicine 1 (1,0,0,0)**

An examination of modern definitions of health; a comparison of traditional and alternative health care; an overview of alternative choices; trends in health care. May be repeated up to a maximum of three credits.

**HHP 291 First Aid 2 (2,0,0,0)**

Study of various emergency medical problems and their management by application of basic first aid and cardiopulmonary resuscitation.



## History

**HIST 101 U.S. History to 1877 3 (3,0,0,0)**

A survey of United States political, social, economic, diplomatic, and cultural development from colonial times to 1877. Satisfies the United States Constitution requirement. HIST 101 and HIST 102 need not be taken in sequence; either class may be taken alone.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or better.

**HIST 101H U.S. History to 1877 - Honors 3 (3,0,0,0)**

An Honors-level survey of United States political, social, economic, diplomatic, and cultural development from colonial times to 1877. This course emphasizes interactive and independent learning through readings, discussion, and writing. Satisfies the United States Constitution requirement. HIST 101H and HIST 102H need not be taken in sequence; either class may be taken alone.

Prerequisite: ENG 100 or 101 or 101H or 113; and Admission to the Honors program.

**HIST 102 U.S. History Since 1877 3 (3,0,0,0)**

A survey of United States political, social, economic, diplomatic, and cultural development from 1877 to present. Satisfies the Nevada Constitution requirement. HIST 101 and HIST 102 need not be taken in sequence; either class may be taken alone.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or better.

**HIST 102H U.S. History Since 1877 - Honors 3 (3,0,0,0)**

An Honors-level survey of United States political, social, economic, diplomatic, and cultural development from 1877 to present. This course emphasizes interactive and independent learning through readings, discussion, and writing. Satisfies the Nevada Constitution requirement. HIST 101H and HIST 102H need not be taken in sequence; either class may be taken alone.

Prerequisite: ENG 100 or 101 or 101H or 113; and Admission to the Honors program.

**HIST 105 European Civilization to 1648 3 (3,0,0,0)**

A survey of the development of Western civilization from the dawn of history to 1648.

**HIST 106 European Civilization Since 1648 3 (3,0,0,0)**

A survey of the development of Western civilization from 1648 to the present.

**HIST 107 Women in American History 3 (3,0,0,0)**

A study of the role of women in the creation of America. Includes a look at legal status, life style and the unique status of minority women.

**HIST 111 Survey of U.S. Constitutional History 3 (3,0,0,0)**

Origins and history of the United States Constitution; surveys the development of American judicial interpretations and institutions. Satisfies the U.S. Constitutions requirement.

**HIST 150 Introduction to Chinese Civilization 3 (3,0,0,0)**

An introductory survey of the growth and development of Chinese civilization with an emphasis on philosophy, literature, society and political development from 2200 B.C. to the present.

**HIST 151 Introduction to Japanese Civilization 3 (3,0,0,0)**

An introductory survey of the growth and development of Japanese civilization with an emphasis on philosophy, literature, society and political development from 8000 B.C. to the present.

**HIST 202 American Military History 3 (3,0,0,0)**

U.S. military history from the colonial period onward emphasizing war strategies, military thought, and policy in the armed forces and American society.

**HIST 208 World History I 3 (3,0,0,0)**

A survey of the societies and cultures of Asia, Africa, the Middle East, Europe, the Americas, and Oceania to 1600.

**HIST 209 World History II 3 (3,0,0,0)**

A review of the principal developments in world history since 1600, including scientific and technological revolutions, social revolutions, nationalism, immigration, colonialism, world wars, decolonization, modernization, democracy, and dictatorships.

**HIST 210 Southwest Heritage 3 (3,0,0,0)**

A study of the American Southwest and its cultures placed in historical perspective.

**HIST 217 Nevada History 3 (3,0,0,0)**

A study of Nevada from early exploration to the present. Satisfies the Nevada Constitution requirement.

Prerequisite: ENG 100 or 101 or 101H or 113 with a grade of C or better.

**HIST 217H Nevada History - Honors 3 (3,0,0,0)**

An Honors-level survey of Nevada from early exploration to the present. This course emphasizes interactive and independent learning through readings, discussion, and writing. Satisfies the Nevada Constitution requirement.

Prerequisite: ENG 100 or 101 or 101H or 113; and Admission to the Honors program.

**HIST 220 History of Las Vegas 3 (3,0,0,0)**

An introduction to Las Vegas from prehistoric times to the present, emphasizing recent developments.





**HIST 227 Introduction to Latin American History and Culture I 3 (3,0,0,0)**

Survey of the development of Spain and Portugal as colonizing powers, the discovery and conquest of America, and the growth of political, social, and economic institutions during the Colonial Period.

**HIST 228 Introduction to Latin American History and Culture II 3 (3,0,0,0)**

Survey of Latin American independence movements, the major Latin American republics, and Latin American indigenous history and culture

**HIST 247 Introduction to the History of Mexico 3 (3,0,0,0)**

An introduction to pre-Columbian Mexico, Colonial New Spain and Mexican National History to the present.

**HIST 250 Introduction to the Study of History 3 (3,0,0,0)**

Introduction to the research methods commonly used by historians. Practical application of these methods to everyday life is emphasized.

**HIST 251 Introduction to Historical Methods 3 (3,0,0,0)**

Introduction to the basic concepts and techniques of historical investigation and writing. This course is writing intensive and is intended for students majoring in history or related disciplines.

Prerequisite: Department Chair approval.

**HIST 260 Introduction to Native American History 3 (3,0,0,0)**

An examination of significant events and trends in Native American life. The course will focus on the contributions made by American Indians to the development of our history and contemporary society.

**HIST 275 The Wild West - Myth and Reality 3 (3,0,0,0)**

Designed to acquaint the student with the history of the American West, the course will typically examine and compare the often romanticized themes of early novels and Hollywood films with the harsh reality of frontier life. The topics that may be examined include the Spanish Southwest, the fur trapping mountain men, the Indians and the army, outlaws, the mining men, cattle, timber, and farming frontiers, and the introduction of capitalism and large scale industrialization.

**HIST 285 History of Witchcraft 3 (3,0,0,0)**

The study of the figure of the witch from ancient times to the present, and the historical, religious and social context from which it emerged. The course includes Paleolithic and Neolithic religion, witches in ancient cultures, formulation of the Christian witch concept, the witch hunt in Early Modern Europe and in the British North American colonies, and modern Neo-Pagan witchcraft. (Same as WMST 285.)

**HIST 286 Goddess Traditions 3 (3,0,0,0)**

A study of goddess images in a variety of cultures from prehistory to the modern age including the history, values, beliefs, practices and ethics systems associated with goddess imagery. (Same as WMST 286.)

**HIST 293 Introduction to African-American History I 3 (3,0,0,0)**

Survey of the history of African Americans from their origins on the west coast of Africa to the present.

**HIST 295 Special Topics in History 1-3 (1-3,0,0,0)**

Study of a selected issue or topic of significance in history. The particular topic will vary, however, the intent of the study will be to develop an awareness of and appreciation for the complex forces which have shaped the modern world. Material for the study will be drawn from a wide variety of sources and may be interdisciplinary in nature. The course may be repeated up to a total of six credits, with the permission of the Department Chair.

Prerequisite: Department Chair approval.

**HIST 299 Internship 3 (2,0,0,6)**

Supervised work experience with selected community businesses. Complete 30 credit hours, minimum 2.5 GPA.

Prerequisite: Department Chair approval; and 15 HIST credits including HIST 101 and 102 and 217.

**Health Information Technology**

**HIT 102B Coding for Medical Offices 2 (1,3,0,0)**

Introduction to ICD and CPT coding as they relate to the medical office setting.

Corequisite: HIT 118B.

**HIT 103B Customer Service Skills in a Healthcare Setting 1 (1,0,0,0)**

Develop and practice customer service skills for a healthcare setting.

**HIT 105B Introduction to Health Information Management 3 (2,3,0,0)**

An introduction to the organization, cultural issues, ethics, health-care policies, external regulations and standards, security and integrity of health data, and interrelationships within the healthcare delivery system.



**HIT 106B Healthcare Reimbursement 2 (2,0,0,0)**

An introduction to the complex financial and reimbursement systems of the healthcare environment. This course includes the basics of health insurance, publicly funded programs, managed care, the revenue cycle, and legal issues impacting the billing process.

**HIT 107B Patient Registration Practicum 2 (0,0,8,0)**

Provides the student with practical experience in performing patient registration duties. The practicum assignments are eighty (80) hours in a hospital admitting department. Graded Pass/Fail.

Corequisite: HIT 106B.

**HIT 108B Interpersonal Communication Skills in the Healthcare Setting 3 (3,0,0,0)**

Designed for the development and practice of a set of interpersonal and human relation skills as needed among health care providers.

**HIT 117B Medical Terminology I 1 (1,0,0,0)**

Study of word derivations and formation with emphasis upon understanding common usage in the field of health care.

**HIT 118B Language of Medicine 3 (3,0,0,0)**

Analysis of medical language by body system; and creating, defining, and applying common medical terms related to anatomy, disease processes, diagnostic procedures, laboratory tests, abbreviations, and therapeutic procedures.

**HIT 119B Introduction to Pharmacology and Laboratory Tests 2 (2,0,0,0)**

Advanced application of medical language specific to clinical specialties including pharmacology, laboratory, and diagnostic testing. Emphasizes understanding of the action of drugs, including the absorption, distribution, metabolism and excretion of drugs by the body, and mathematical calculation to solve medication dosage problems, and convert between different systems of measurement.

Prerequisite: HIT 118B.

**HIT 120B Medical Transcription I 4 (2,6,0,0)**

Basic medical transcription skills.

Corequisites: COT 200; and ENG 100 or 101 or 113; and HIT 118B. Please note - Student must earn a C or better in all corequisite courses.

**HIT 122B Medical Transcription II 5 (1,6,6,0)**

Advanced medical transcription skills. Graded Pass/Fail.

Prerequisite: Instructor approval.

**HIT 130B Procedural Terminology 1 (1,0,0,0)**

Basic study of medical terminology used in the procedural coding classification system. Analysis of standardized vocabulary of surgical concepts, body part terms, operative approaches, devices, and other qualifiers from which codes are built.

Corequisite: HIT 118B.

**HIT 165B Pathophysiology 4 (4,0,0,0)**

Introduction to the disease processes affecting the human body by an integrated approach to specific disease entities, including the study of causes, diagnoses, and treatment of disease.

Prerequisite: BIOL 223 or HHP 123B.

**HIT 170B Healthcare Computer Applications 3 (2,3,0,0)**

This course develops students' knowledge and skills in hardware and software components of computers for healthcare applications. The students will also explore methods of controlling the accuracy and security of data in computer systems, record linkage and data sharing concepts, and information systems in healthcare.

Prerequisite: COT 127B with a grade of C or better.

**HIT 184B Introduction to ICD Coding 2 (1,3,0,0)**

Principles and application of the ICD coding system with emphasis on diagnosis coding, including analysis of the organization and classification of all chapters, evaluation of current coding and documentation guidelines, and introduction to physician queries.

Prerequisite: HHP 123B and 124B; and HIT 118B and 165B all with a grade of C or higher.

**HIT 185B Introduction to CPT Coding 3 (2,3,0,0)**

Principles and application of procedural coding systems using CPT and HCPCS Level II including basic introduction to APCs, the NCCI, Medicare's LCDs and NCDs, encoders, and automated coding concepts.

Prerequisite: HHP 123B and 124B; and HIT 118B and 165B all with a grade of C or higher.

**HIT 186B Advanced Outpatient Coding 2 (1,3,0,0)**

Principles and application of coding systems utilized for outpatient healthcare facilities and physician coding using ICD, CPT, and HCPCS Level II. Emphasizes use of encoders; assigning codes to complex case studies; auditing more complex codes including evaluation and management, radiology, laboratory, and surgical; and introducing the student to APC code assignment.

Prerequisite: HIT 119B and 165B and 184B and 185B all with a grade of C or higher.



**HIT 187B Introduction to ICD-PCS Coding 2 (1,3,0,0)**

Principles and application of the ICD procedural coding system (PCS), including analysis of the seven character structure, the organization and classification within all sections, evaluation of coding guidelines, documentation guidelines, and assigning ICD procedural codes.

Prerequisite: HHP 123B and 124B and 130B and 165B.

**HIT 201B Advanced Coding Systems 3 (2,3,0,0)**

In depth study and practice assigning valid diagnosis and procedure codes utilizing both code books and encoder/grouper software; compliance and auditing; and review of other classification systems.

Prerequisite: HIT 184B and 185B and 187B.

**HIT 205B Privacy, Legal, and Ethical Issues in Healthcare 2 (1,3,0,0)**

In-depth study of patient privacy and confidentiality of health information. Review of legal responsibilities of healthcare workers and facilities with emphasis on HIM. Health professional ethics issues are discussed and evaluated.

**HIT 206B Professional Practice Experience I 3 (0,0,10,0)**

Practical experience in a healthcare setting performing and observing health information management departmental duties. Graded Pass/Fail.

Corequisite: HIT 205B.

**HIT 207B Health Information Management 2 (1,3,0,0)**

Study of organizational systems with emphasis on strategic management; and human, financial, and physical resources as related to health information management.

Prerequisite: Acceptance into HIT Program.

**HIT 208B Professional Practice Experience II 2 (0,0,6,0)**

Practical experience in developing HIM departments including departmental policies, procedures, job descriptions, budgets, and functional spaces according to regulation and health information needs. Performed within a team environment using project management resources. Graded Pass/Fail.

Prerequisite: HIT 206B.

**HIT 210B Coding Practice Experience 3 (0,0,12,0)**

Practical coding experience in a hospital, physician's office, clinic, other healthcare setting, or simulated environment including directed projects common to a clinical coding specialist on the job. Graded Pass/Fail.

Prerequisite: HIT 201B and 186B both with a grade of C or higher.

**HIT 240B Healthcare Statistics and Research 1 (1,0,0,0)**

Computation and interpretation of healthcare statistics. Introduction to knowledge-based techniques and guidelines regarding research and IRB processes.

Prerequisite: Instructor approval.

**HIT 245B Healthcare Quality Management 2 (1,3,0,0)**

Methodologies for conducting quality improvement activities including creating collection processes, analyzing trends, and presenting graphics and data to guide strategic and organizational planning.

Prerequisite: Instructor approval.

**HIT 290B RHIT Exam Prep 2 (2,0,0,0)**

This course is a review of HIM topics covered in the HIT Program. It is designed to prepare students for the national certification examination. Graded Pass/Fail.

Prerequisite: Instructor approval.

**HIT 291B Coding Exam Prep 2 (2,0,0,0)**

This course is a review of coding topics covered in the Medical Coding Program. It is designed to prepare students for the American Health Information Management Association's (AHIMA) national coding certification examination.

Prerequisite: Instructor approval.

**HIT 299B Selected Topics in Health Information Technology 2 (0,0,0,2)**

Selected study in topics of interest to students of health information technology. Graded Pass/Fail.

Prerequisite: Instructor approval.

**Hotel Management****HMD 101 Introduction to the Hospitality Industry 3 (3,0,0,0)**

Survey of the history, likely direction, and dynamics of the hospitality industry from the perspective of the global economy, with emphasis on the wide variety of career opportunities.

**HMD 202 Housekeeping Operations 3 (3,0,0,0)**

Application of various systems, procedures, and controls associated with a modern hotel or hospital housekeeping department. Emphasis on management delegation, scheduling, systems, routines, and equipment. Laundry operations and hotel recreation departments also reviewed.

Prerequisite: HMD 101 with a grade of C or higher.



**HMD 203 Front-Office Operations 3 (3,0,0,0)**

Study of front-office procedures from reservations through check-out including the night audit and the property management system and their impacts on other lodging operations. Special emphasis is placed on guest-employee relations.

Prerequisite: HMD 101; and ENG 100 or 101 or 113.

**HMD 226 Industry Computer Applications for Hospitality and Tourism 3 (3,0,0,0)**

Survey of computer applications, issues, and trends in the hospital-ity industry. Emphasis placed on the role of technology in opera-tions and management of technology as a strategy.

Prerequisite: HMD 101.

**HMD 235 Hotel, Restaurant and Gaming Law 3 (3,0,0,0)**

Legal aspects of the innkeeper/guest relationship with particular attention to personal liability, property liability, labor law, crimes, torts, evictions, negligence, administrative agencies and gaming regulations.

**HMD 253 Hospitality Services Management 3 (3,0,0,0)**

Exploration of how services are different from goods, service procedures for various functional areas of hospitality, and how key factors contribute to service quality and guest satisfaction in services.

Prerequisites: HMD 101; and ENG 102 or 114.

**HMD 259 Human Resources Management in the Hospitality Industry 3 (3,0,0,0)**

Recruitment, selection, compensation, training, and performance appraisal of employees and managers in the hospitality industry's culturally diverse work place.

Prerequisite: HMD 101; and ENG 100 or 101 or 113.

**HMD 295 Work Experience in Lodging Operations 1 (0,0,0,1)**

In addition to the academic requirements, the accreditation com-missions for the Department of Hospitality Management require students to work for at least 200 hours in a verified program/degree related position prior to graduation. This work experience will be measured qualitatively as well as quantitatively by the program director and faculty. Work experience can be from a prior position or one worked during your time at CSN. Students who plan to transfer to UNLV can transfer a maximum of 500 hours of employ-ment to meet UNLV's 1,000 hour requirement.

**Human Services****HMS 101B Introduction to Human Services 3 (3,0,0,0)**

An introductory course identifying the multifold programs and ac-tivities of social welfare and helping services and their key role in modern society; observation and reporting techniques emphasized.

**HMS 102B Introduction to Counseling 3 (3,0,0,0)**

Designed to provide an overview of the historical, philosophical and theoretical foundations of counseling. Students will examine the counselor as a person and explore the role of self-awareness in the field of counseling.

**HMS 107B Community Resources in Human Services 3 (3,0,0,0)**

A course designed to acquaint the student with resources available for substance abuse programs.

**HMS 130 Human Sexuality 3 (3,0,0,0)**

Designed to provide each student with the necessary biological, historical, psychological and sociological perspective for person-al positive changes. Provides a forum for discussion on issues of common concern.

**Humanities****HUM 295H Issues in Humanities - Honors 3 (3,0,0,0)**

Cross-disciplinary topics. Repeatable to a maximum of six credits.

Prerequisite: ENG 100 or ENG 101 or ENG 101H or ENG 113 with a grade of C or higher; or Instructor approval; and Admission to the Honors program.

**HUM 298 Phi Theta Kappa Honors Topic 3 (3,0,0,0)**

The Honors Study Topic course is dedicated to the examination and illumination of the Phi Theta Kappa Honors Study Topic – providing ideas for scholastic enrichment. Open for general registra-tion; may be taken twice for credit.

**Interior Design****INTD 105B History of Furniture and Interiors I 3 (3,0,0,0)**

A study of the history of furniture and interiors from antiquity to the nineteenth century.

**INTD 106B History of Furniture and Interiors II 3 (3,0,0,0)**

A study of furniture and interiors from the nineteenth century to the present.

Prerequisite: INTD 105B.



**INTD 216B Textiles 3 (2,2,0,0)**

Consumer orientation to textiles. Serviceability, concepts of durability, care, comfort and aesthetic appearance are used to evaluate textiles alternatives for various end uses.

**INTD 218B Methods and Materials 3 (2,2,0,0)**

A study of interior furnishings, materials, processes and applications.

**INTD 255B Interior Design Studio I 3 (2,2,0,0)**

Application of design concepts of interior spaces. Short exercises precede residential projects.

Prerequisite: INTD 216B.

**INTD 257B Interior Design Studio II 3 (2,2,0,0)**

Advance problem solving in interior design.

Prerequisite: INTD 218B and 255B.

**INTD 258B Business Practices 3 (3,0,0,0)**

This course is an overview of interior design business principles and practices.

Prerequisite: INTD 255B.

### Information Systems

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**IS 100B Core Computing Competency 0 (0,0,0,0.25)**

This course verifies a student's core computing competencies. Knowledge and skills will be tested in the areas of computing fundamentals, key applications, and the Internet at current collegiate/professional levels. Students must pass all required exams to earn an internationally recognized digital literacy certification to pass the course. Students should have strong knowledge and skills in the specified computing areas. Graded Pass/Fail.

**IS 101 Introduction to Information Systems 3 (3,0,0,0)**

Concepts and applications of Information Systems. Introduction to hardware, software, data, and file concepts. Microcomputer applications software including word processing, spreadsheet, database, Internet, and presentation software.

**IS 115 Introduction to Programming 3 (3,0,0,0)**

This course introduces the student to problem-solving and algorithm development using a modern programming language. Students should have basic computer skills.

Prerequisite: MATH 95 or above with a grade of C or higher; or ET 111B with a grade of C or higher; or a satisfactory ACT/SAT/Placement Test score that places the student in MATH 96 or above.

**IS 389 Advanced Business Systems Development 4 (3,2,0,0)**

Advanced methodology of program design, development, testing, implementation, and documentation. Includes coverage of user requirements definition and translation into design specifications, use of database management systems, system maintenance, and various system development and life cycle methodologies and tools. Students should have programming experience.

Prerequisite: IS 115 with a grade of C or higher; or any high level programming language.

### Italian

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**ITAL 101B Basics of Italian I 3 (3,0,0,0)**

A basic introduction to the Italian language and culture, this course emphasizes both oral and written communication through the development of listening, speaking, reading, and writing skills.

**ITAL 102B Conversational Italian II 3 (3,0,0,0)**

A course emphasizing a continuation of skills acquired in ITAL 101B. Increased fluency and further vocabulary development stressed.

Prerequisite: ITAL 101B.

**ITAL 111 First Year Italian I 4 (4,0,0,0)**

Designed to give students an introduction to the Italian language and culture, this course emphasizes both oral and written communication through the development of listening, speaking, reading, and writing skills.

**ITAL 112 First Year Italian II 4 (4,0,0,0)**

Designed as a continuation of Italian 111, this course prepares students to use Italian in an increasing variety of contexts by expanding on vocabulary and developing more complex sentence structures, with a focus on intercultural competence.

Prerequisite: ITAL 111 or Department approval.

**ITAL 211 Second Year Italian I 3 (3,0,0,0)**

This course prepares students to use Italian language in an increasing variety of contexts by expanding on vocabulary and sentence structure while developing paragraph-level writing. Further development of intercultural competence.

Prerequisite: ITAL 112 or Department approval.

**ITAL 212 Second Year Italian II 3 (3,0,0,0)**

This course prepares students to use Italian language in an increasing variety of contexts with increasing complexity. Further development of intercultural competence.

Prerequisite: ITAL 211 or Department approval.





**ITAL 221 Italy and Its Culture 3 (3,0,0,0)**

Introduction to Italian Culture and its influence on the World Community: a general examination of Italy's physical, historical, political, and administrative identity. An introduction to and assessment of the contributions of its major achievers in various areas of human endeavor: Art, Religion, Science, etc. A glance at Italy's popular culture as reflected in its films and other documents of contemporary daily life. Taught in English, no knowledge of Italian required.

**Journalism****JOUR 100 Introduction to Journalism and Media Studies 3 (3,0,0,0)**

This required course introduces prospective majors to the pragmatic, performative and presentational aspects of journalism and media studies.

**JOUR 101 Critical Analysis of the Mass Media 3 (3,0,0,0)**

Analysis of the development of newspapers, magazines, motion pictures, radio, and telecommunications. Overview of institutional structure and theoretical perspectives.

**JOUR 102 News Reporting and Writing 3 (3,0,0,0)**

Provides fundamental instruction and pre-professional practice in writing as a basis for upper-division courses in journalism and media studies. Analysis of news content and how news is obtained and written. Discussions and laboratory.

Prerequisite: ENG 100 or 101 or 113.

**JOUR 105 News Production I 3 (3,0,0,0)**

Introduction to news and features gathering, writing and presentation with practical application demonstrated in production of campus print publications, web pages and electronic programming (e.g. podcasts).

**JOUR 121 Radio Production 3 (3,0,0,0)**

A study and practical use of radio broadcast equipment, announcing techniques, programming concepts, functions of a disc jockey (DJ), and researching, writing and producing a newscast.

**JOUR 201 Television Studio Production I 3 (3,0,0,0)**

Study and training in basic television studio production for live or live-to-tape programming. Emphasis on producing and directing with training in various studio, control room, and engineering functions. Students are encouraged to take JOUR 220 either before or while taking this course.

**JOUR 202 Electronic Media Production I 3 (3,0,0,0)**

Lecture and lab for the study of and training in studio and field video production, basic post-production, and resource utilization across electronic platforms.

**JOUR 204 Introduction to Media Production 3 (3,0,0,0)**

Introduction to production tools and computer interfaces; emphasis on visual literacy, imaging, video and audio editing, Internet authoring, and creating multimedia documents.

**JOUR 210 Introduction to Public Relations 3 (3,0,0,0)**

Study of the practice of public relations including media, employee, consumer, community, shareholder, and customer relations. Emphasis is on the history of public relations, its role, and impact on today's society.

**JOUR 212 Principles of Advertising 3 (3,0,0,0)**

Examination of the purpose, function, and role of advertising in society. Emphasis is on the practical application of advertising as part of the marketing mix including customer identification, branding, message development, and media selection.

**JOUR 220 Fundamentals of Applied Media Aesthetics 3 (3,0,0,0)**

Survey of the various fields that use visual imagery for communicative purposes. Graphic design, film, and televisual imagery covered. Emphasis on television and film aesthetics and picture composition.

**JOUR 223 Contemporary Radio 3 (3,0,0,0)**

Examination of the structure, programming, regulation, and problems of radio in today's world and the role the medium plays in informing and entertaining modern listeners.

**JOUR 241 News and the News Media 3 (3,0,0,0)**

Survey of the history, purposes, functions, and effects of journalism.

**JOUR 261 Introduction to IMC 3 (3,0,0,0)**

Examination of the function of advertising and public relations in the media and society. Emphasis on the application of theory and its relationship to the IMC elements; public relations, advertising, promotion, direct marketing, interactive, and their ability to reach customers/publics.

**JOUR 276 Design Principles of Advertising/Publications 3 (3,0,0,0)**

History of design periods and styles. Introduction to five basic types of print advertising: periodicals, direct mail, point of purchase, sales-promotion, and merchandising.

**JOUR 290 Internship in Journalism 1-3 (1-3,0,0,0)**

A course for advanced journalism students that provides credit for professional experience under appropriate supervision. Can be repeated for a total of 6 credits.

Prerequisite: Approval of the station, newspaper, agency or firm where internship will be completed and approval from the Department of Communication Internship Coordinator. (Same as COM 196.)





## Japanese

### **JPN 101B Conversational Japanese I 3 (3,0,0,0)**

A course emphasizing spoken communication. Listening and speaking skills, and recognition of hiragana developed. Basic expressions applied to varieties of conversational contexts introduced.

### **JPN 102B Conversational Japanese II 3 (3,0,0,0)**

A second semester course designed to continue the development of conversational skills. Recognition of katakana scripts also developed.

Prerequisite: JPN 101B.

### **JPN 111 First Year Japanese I 4 (4,0,0,0)**

The development of language skills in listening, speaking, and writing.

### **JPN 112 First Year Japanese II 4 (4,0,0,0)**

A second semester course designed to continue and improve the skills learned in JPN 111.

Prerequisite: JPN 111.

### **JPN 120 Kanji and Japanese Vocabulary I 2 (2,0,0,0)**

Elementary level kanji course designed to teach writing of JPN 111 and JPN 112 vocabulary and bring students to the level of passing Kanji Kentei 10-kyu Exam.

Prerequisite: JPN 111 or Departmental approval.

### **JPN 121 Kanji and Japanese Vocabulary II 2 (2,0,0,0)**

A continuation of Kanji and Japanese Vocabulary I designed to teach kanji at the level of Kanji Kentei 9-kyu Exam and vocabulary that utilizes 240 kanji.

Prerequisite: JPN 120 or Departmental approval.

### **JPN 211 Second Year Japanese I 3 (3,0,0,0)**

Designed to continue the development of language skills in listening, speaking, reading and writing. Contextual studies.

Prerequisite: JPN 112.

### **JPN 212 Second Year Japanese II 3 (3,0,0,0)**

Designed to continue the development of language skills learned in JPN 211.

Prerequisite: JPN 211.

## Korean

### **KOR 101B Conversational Korean I 3 (3,0,0,0)**

A course emphasizing spoken communication. Speaking skills, oral and listening skills, reading and writing skills explored. A vocabulary of Korean-English words developed.

### **KOR 102B Conversational Korean II 3 (3,0,0,0)**

Students will continue to develop speaking, oral and listening skills and vocabulary.

Prerequisite: KOR 101B.

### **KOR 111 First Year Korean I 4 (4,0,0,0)**

The development of language skills in listening, speaking, and writing. Oral emphasis.

### **KOR 112 First Year Korean II 4 (4,0,0,0)**

A second semester course designed to continue and improve the skills learned in KOR 111.

Prerequisite: KOR 111.

### **KOR 211 Second Year Korean I 3 (3,0,0,0)**

Designed to continue the development of language skills in listening, speaking, reading, and writing. Contextual studies.

Prerequisite: KOR 112.

### **KOR 212 Second Year Korean II 3 (3,0,0,0)**

Designed to continue the development of language skills learned in KOR 211.

Prerequisite: KOR 211.

## Latin American Studies

### **LAS 100 Introduction to Latina/o Studies 3 (3,0,0,0)**

An introduction to the field of Latina/o Studies through a multidisciplinary approach to provide students an integrated exploration of the complexities of this dynamic population.

### **LAS 101 Introduction to Latin American Studies 3 (3,0,0,0)**

Interdisciplinary introduction to the culture, history, and political economy of contemporary Latin America; examines topics such as colonialism and independence, values and social structures, political institutions, and economic relations in the region; presents an overview of the history and conditions of U.S. Latinos.

### **LAS 210 Hispanic Groups in the United States 3 (3,0,0,0)**

This course studies the Hispanic populations of the United States, focusing especially on the three largest Hispanic groups: Mexicans, Puerto Ricans, and Cubans. The class analyzes and compares how the different Hispanic groups handle reality, immigration, and the processes involved in adapting to life in the U.S.

### **LAS 223 Spanish Caribbean Culture 3 (3,0,0,0)**

This course examines historical, cultural, and social developments of the Spanish Caribbean from pre-Hispanic times to the present. Topics include history, traditions, ethnicity, literature, arts, religion, politics, music, and food. (Same as SPAN 223.)



**LAS 224 Mexican Culture 3 (3,0,0,0)**

This course focuses on elements that contribute to the formation of the culture and identity of the Mexican nation: history, religion, music, art, food, movies and TV, traditions, celebrations and folklore, social realities, and the relationship with the U.S. Taught in English. (Same as SPAN 224.)

**LAS 299 Capstone Class in Latin American Studies 1 (0,0,0,1)**

As the last course of special program's requirements, it integrates coursework covered in the Latin American and Latina/o Studies AA degree program and independent work involving reading, writing, and research.

Prerequisite: Instructor approval.

### Latin

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**LAT 111 First Year Latin I 4 (4,0,0,0)**

A beginning level Latin course emphasizing the development of reading and writing skills and cultural understanding. Emphasis on basic comprehension and communication.

**LAT 112 First Year Latin II 4 (4,0,0,0)**

A second-semester course of beginning-level Latin emphasizing the development of reading and writing skills and cultural and historical understanding. Emphasis on basic comprehension and communication.

Prerequisite: LAT 111.

### Law

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**LAW 101 Fundamentals of Law I 3 (3,0,0,0)**

Relationship and delineation of the function and responsibility of the legal assistant, the attorney and the client.

Prerequisite: ENG 100 or ENG 101 with a grade of C or better and IS 101.

**LAW 204 Torts 3 (3,0,0,0)**

Students will become familiar with the major torts of negligence, trespass to land, defamation, strict liability, wrongful death and conversion.

Prerequisite: LAW 101.

**LAW 205 Contracts 3 (3,0,0,0)**

Discusses the basic elements of contract law including offer, acceptance, consideration, contractual capacity, legality, defenses to enforcement of contracts, remedies and an introduction to the Uniform Commercial Code. Special emphasis placed on the practical analysis of contracts.

Prerequisite: LAW 101 or Instructor approval.

**LAW 231 Civil Procedure 3 (3,0,0,0)**

This course emphasizes the court system in Nevada focusing on the internet. Topics include preparing pretrial litigation documents, as well as drafting a complaint, answer, and summons.

Prerequisite: LAW 101 and 259.

**LAW 232 Criminal Procedure 3 (3,0,0,0)**

Examines the criminal justice system, including procedures from arrest to final disposition, principles of constitutional, federal, state and local laws as they affect the process in criminal court procedures.

Prerequisite: LAW 101.

**LAW 234 Civil Procedure II 3 (3,0,0,0)**

This course explores the court system in Nevada from the point of preparing for trial to post trial and alternative dispute resolutions, by retrieving rules from Nevada websites and federal websites. The students will be preparing documents for trial, including summarizing depositions and medical records.

Prerequisite: LAW 231.

**LAW 250 Administrative Law 3 (3,0,0,0)**

Study of the history of administrative agencies, administrative law procedures, use of expert witnesses, law of evidence, constitutional limitations and judicial review.

Prerequisite: LAW 101.

**LAW 251 Bankruptcy 3 (3,0,0,0)**

Study of expanded jurisdiction, its effects on financial rehabilitation of individuals and corporations; involuntary petitions, preparation of voluntary petitions filing; automatic stay provisions, complaint to vacate stay and abandonment of assets.

Prerequisite: LAW 101.

**LAW 252 Family Law 3 (3,0,0,0)**

The law of family relations, including the following: marriage, annulment, dissolution, divorce, separation, guardianship, adoption, custody and legitimacy of children, parental rights and rights and duties of minors.

Prerequisite: LAW 101.

**LAW 253 Law Office Management 3 (3,0,0,0)**

A study of economical and efficient law office practices and procedures including the proper use of law office technology and computerized data processing.

Prerequisite: ENG 101 and IS 101 both with a grade of C or higher.

**LAW 255 Probate Procedures 3 (3,0,0,0)**

Law related to estate planning issues. Includes procedure to distribute a person's estate upon one's death, creation and administration of a trust and procedure to appoint another to act on one's behalf. Also includes a discussion of health care documents and related elderly care issues.

Prerequisite: LAW 101.



**LAW 258 Constitutional Law 3 (3,0,0,0)**

This course will introduce the student to the fundamental principles and concepts of American Constitutional Law with specific emphasis on civil rights, liberties and responsibilities.

Prerequisite: LAW 101.

**LAW 259 Legal Writing 3 (3,0,0,0)**

An in-depth study and development of legal writing skills. Introduction to the major forms of legal writing, legal terminology, and the principles for organization of legal memorandums or briefs.

Prerequisite: LAW 101 or Instructor approval.

**LAW 261 Legal Research I 4 (4,0,0,0)**

Legal research and terminology, including law library familiarization and development of skills. Emphasis on finding, reading and synthesizing cases and in preparing legal memoranda.

Prerequisite: LAW 101 and 259.

**LAW 262 Legal Research II 4 (4,0,0,0)**

In-depth study for developing legal research and writing skills. Subjects presented in Legal Research I will be covered in greater detail using federal, state, and administrative law. Emphasis will be placed upon computer assisted legal research tools such as Westlaw, Lexis, and the Internet.

Prerequisite: LAW 261.

**LAW 263 Ethics 3 (3,0,0,0)**

Covers the relationship between the court, attorney, client and legal assistant. Discusses what a legal assistant may and may not do. Also discusses conflicts of interest, dealing with witnesses and adverse parties and confidentiality.

**LAW 264 Civil Evidence 3 (3,0,0,0)**

To familiarize the student with the rules and forms of evidence that is admissible in court.

Prerequisite: LAW 101.

**LAW 295 Supervised Field Experience 3 (0,0,0,8)**

Offers legal assistant work experience under the supervision of an attorney. The student will work at a local law firm or agency eight hours per week, for a total of 120 hours to gain practical work experience. The student and law firm/agency will report their experience to the program director.

Prerequisite: Completion of 21 LAW credits and Legal Programs Director approval.

**Library Skills****LIB 101 Research for College Papers 1 (1,0,0,0)**

An overview of basic research strategies using Internet and print resources. Focus is on gathering viable information for college assignments.

**Medical Assisting****MA 104 Introduction to Medical Assisting 2 (2,0,0,0)**

Introduction to the profession of Medical Assisting. Topics include professionalism, communication techniques, community resources, medical ethics and confidentiality.

Corequisite: ENG 100 or 101 or 113 with a grade of C or higher.

**MA 106B The Body in Health and Disease 4 (4,0,0,0)**

Essential anatomy and physiology as it is applicable to medical assistants. The application of anatomy and physiology with regards to patient interviewing, education, and communication as well as patient preparation and positioning for diagnostic and imaging procedures.

Corequisite: MA 107B.

**MA 107B Medical Assistant Techniques I 4 (3,3,0,0)**

Emphasis on the clinical aspect of a medical office. Topics include preparation, assisting, vital signs, basic pharmacology, nutrition and diet therapy.

Corequisite: MA 106B.

**MA 110B Medical Assistant Techniques II 4 (3,3,0,0)**

Continued practice of the principles of infection control, patient interviewing and communication, and patient and equipment preparation for exam. Assisting in various specialties not previously discussed, diagnostic imaging, medication preparation and administration, performance of ECG and PFT, assisting with minor office procedures, and emergency procedures.

Prerequisite: MA 106B and 107B both with a grade of C or higher.

Corequisite: MA 120B.

**MA 120B Medical Office Management 3 (2,3,0,0)**

The theory, practice, and techniques of medical office management. This course emphasizes medical administrative responsibilities, records management, business management, managed care, and computerized office management.

Prerequisite: MA 106B and 107B both with a grade of C or higher; or Program Director approval.

**MA 130B Clinical Externship 3 (0,0,12,0)**

Provides unpaid practical medical assisting experience in the physician's office or a medical clinic. Student is an active participant in the administrative and clinical areas. The externship is part of the curriculum and is a learning experience. This course is graded pass/fail.

Prerequisite: Instructor approval (all prerequisite screenings must be completed and approved prior to beginning this course).

Corequisite: MA 131B.



**MA 131B Externship Seminar 1 (1,0,0,0)**

Discussions of clinical issues and experiences with emphasis on case studies, role playing and problem solving techniques.

Prerequisite: MA 110B and 120B both with a grade of C or higher.

Corequisite: MA 130B.

**MA 195B Application of Medical Assisting Concepts 2 (1,3,0,0)**

A review of medical assisting concepts and preparation for the national certification exam. Practice exams and a focused review are completed before taking the national certification exam as the final exam in the course.

Prerequisite: MA 110B and 120B with a grade of C or higher; or Program Director approval.

## Mathematics

**MATH 050D Mathematics for the Trades 3 (3,0,0,0)**

Course emphasizes solving apprenticeship related applied problems and includes a review of basic mathematics operations, exponents, English and Metric measurement, elementary algebra, scientific notation, plane and solid geometric figures, and triangle trigonometry.

**MATH 091 Basic Mathematics 3 (3,0,0,0)**

A course in arithmetic. Topics include fractions, decimals, measurements, percents, ratios, and proportions. A comprehensive, proctored, departmental final exam will be given.

**MATH 092 Algebra Review 3 (1,2,0,0)**

MATH 092, Algebra Review, 1-2 Credits – A course intended to review topics from Elementary and Intermediate Algebra. It is a course specifically designed to be one half of a Stretch course. This course does not satisfy the

Prerequisites of any CSN math courses. Prerequisite: A satisfactory ACT/ SAT/ Placement Test score.

**MATH 093 Pre-Algebra 1-3 (1-3,0,0,0)**

A course intended to review arithmetic and to preview elementary algebra. A comprehensive, proctored, departmental final exam will be given. Students must pass this final exam with 60% or better in order to earn at least the grade of C in the course.

Prerequisite: Satisfactory SAT/ACT/Placement Test score.

**MATH 095 Elementary Algebra 3 (3,0,0,0)**

A course in the fundamental operations of real numbers, solving linear equations in one variable, graphing linear equations in two variables, solving linear systems in two variables, and performing basic operations on polynomials. Intended to provide a basic foundation for future mathematics needed in fields of business, economics, engineering and related fields. Strong background in fractions and positive and negative numbers is highly recommended. A comprehensive, proctored, departmental final exam will be given.

Prerequisite: MATH 093 or MATH 116 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 095E Elementary Algebra Expanded 4 (3,3,0,0)**

A course intended to review arithmetic and prealgebra. This is also a course in the fundamental operations of real numbers, solving linear equations in one variable, exponents, polynomials, graphing linear equations in two variables, and solving linear systems in two variables. Provides basic foundation for future mathematics needed in many fields. Please note that this course does NOT satisfy the math component of a degree or certificate program at CSN.

Prerequisite: MATH 91 with a grade of B or better; or Satisfactory SAT/ACT/Placement Test score.

**MATH 095LEC Elementary Algebra Lecture 3 (3,0,0,0)**

A course intended to review arithmetic and prealgebra. This is also a course in the fundamental operations of real numbers, solving linear equations in one variable, exponents, polynomials, graphing linear equations in two variables, and solving linear systems in two variables. Provides basic foundation for future mathematics needed in many fields. Please note that this course does NOT satisfy the math component of a degree or certificate program at CSN.

Prerequisite: MATH 91 with a grade of B or better; or Satisfactory SAT/ACT/Placement Test score.

Corequisite: MATH 95L.

**MATH 096 Intermediate Algebra 3 (3,0,0,0)**

Topics include factoring polynomials, rational expressions and equations, radical expressions and equations, quadratic equations, graphs and applications. A comprehensive, proctored, departmental final exam will be given.

Prerequisite: MATH 095 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 097 Elementary and Intermediate Algebra 5 (5,0,0,0)**

A one-semester course equivalent to the combination of MATH 095 and MATH 096. Topics include solving linear equations in one variable, polynomials, integer exponents, factoring, rational expressions and equations, graphing linear equations in two variable, inequalities, systems of linear equations, radicals and rational exponents, and quadratic equations. A comprehensive, proctored, departmental final exam will be given.

Prerequisite: MATH 093 or 116 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 100B Math for Allied Health Programs 3 (3,0,0,0)**

A course designed to provide the mathematics skills used in allied health fields. Topics include operations with fractions and decimals, measurement systems, percents, ratios and proportions, drug calculations, and IV flow rates.

**MATH 104B Applied Mathematics 3 (3,0,0,0)**

Emphasizing applications, topics include arithmetic, algebra, pre-algebra, graphing, geometry, finance, probability and statistics. Course is only applicable for AAS and AGS degrees and is not transferable for credit.





**MATH 115B Mathematics for the Hospitality/Gaming Industry 3 (3,0,0,0)**

Using data and examples relevant to the hospitality/gaming industry, students will use an applied approach to learn math skills relevant to this industry. Topics covered will include fractions, decimals, geometry, percents, ratio and proportions, probability and statistics. The use of computers and calculators will be integrated into the applications. Students will work in “teams” on some projects and activities.

**MATH 116 Technical Mathematics 3 (3,0,0,0)**

Concepts that will allow students to become proficient in the mathematics used in technical fields are the focal point of this course. Topics include fundamental operations with signed numbers; measurement systems; exponents; order of operations; scientific notation; algebraic expressions; linear equations and inequalities; an introduction to graphing; simple geometric figures, logarithms; and fundamentals of trigonometry. MATH 091 is strongly recommended prior to enrollment.

**MATH 120 Fundamentals of College Mathematics 3 (3,0,0,0)**

Topics include probability, statistics, geometry, and consumer mathematics. It may include problem solving, sets, logic, mathematical systems, numeration, and measurement. Course is broad in scope, emphasizing applications.

Prerequisite: MATH 095 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 120H Fundamentals of College Mathematics - Honors 3 (3,0,0,0)**

An Honors-level study of topics include problem solving, sets, probability, statistics, geometry, and consumer mathematics. It may include logic, mathematical systems, measurement, and graph theory. Course is broad in scope, emphasizing applications. Honors emphasizes interactive learning and entailing an examination of the self and understanding basic evolution of mathematical ideas through the use of reflective reasoning and dialogue. Courses with “H” suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: MATH 095 with a grade of C or better; or satisfactory ACT/SAT/Placement Test score as well as Admission to the Honors program.

**MATH 122 Number Concepts for Elementary School Teachers 3 (3,0,0,0)**

Mathematics needed by those teaching the new-content curriculum at the elementary school level, emphasizing number concepts. This course does not satisfy the general education core requirements.

Prerequisite: MATH 096 or 097 both with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 123 Statistical and Geometrical Concepts for Elementary School Teachers 3 (3,0,0,0)**

Mathematics needed by those teaching the new-content curriculum at the elementary school level, emphasizing concepts in statistics, geometry, and probability.

Prerequisite: MATH 122 with a grade of C or better.

**MATH 124 College Algebra 3 (3,0,0,0)**

Practical applications are the focal point of this course. Topics include equations and inequalities; linear, quadratic, polynomial, exponential and logarithmic functions and their graphs; solutions of systems of linear equations; matrices; and sequences and series. Note: This course does NOT serve as a Prerequisite for MATH 127 nor is it sufficiently rigorous for entry into calculus

Prerequisite: MATH 096 or 097 both with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 126 Precalculus I 3 (3,0,0,0)**

A rigorous discussion of algebra concepts necessary for calculus is the focal point of this course. Topics include an in-depth investigation of algebraic functions and their graphs and solutions of systems of equations.

Prerequisite: MATH 096 or 097 both with a grade of C or better; or a satisfactory ACT/SAT/Placement Test Score. Note: This course serves as a prerequisite course for MATH 127 and is essential for students planning to take calculus.

**MATH 127 Precalculus II 3 (3,0,0,0)**

Topics include an in-depth investigation of trigonometric functions and their graphs, analytic trigonometry, solutions of triangles, vectors, and analytic geometry.

Prerequisite: MATH 126 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score. Note: This course is essential for students planning to take calculus.

**MATH 128 Precalculus and Trigonometry 5 (5,0,0,0)**

A one semester course equivalent to the combination of MATH 126 and MATH 127. Topics include an in-depth investigation of algebraic and trigonometric functions and their graphs, solutions of systems of equations, analytic trigonometry, solutions of triangles, vectors, and analytic geometry.

Prerequisite: MATH 096 or 097 both with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 132 Finite Mathematics 3 (3,0,0,0)**

Topics include symbolic logic, set theory, and probability theory applied to the analysis of business and social science problems.

Prerequisite: A grade of C or better in either MATH 124 or 126 or 128; or a satisfactory ACT/SAT/Placement Test score.



**MATH 170 Mathematics of Finance 3 (3,0,0,0)**

A mathematical study of interest annuities, sinking funds, depreciation, amortization and other topics related to business problems.

Prerequisite: MATH 096 or 1-1/2 units of high school algebra.

**MATH 176 Introductory Calculus for Application in Business and Social Sciences 4 (4,0,0,0)**

Differentiation and integration of algebraic functions with applications to the analysis of business and social science problems.

Prerequisite: Placement Test; or MATH 124 or 126 or equivalent.

**MATH 181 Calculus I 4 (4,0,0,0)**

Differentiation and integration of algebraic and transcendental functions with applications.

Prerequisite: MATH 126 and 127 or 128 all with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 182 Calculus II 4 (4,0,0,0)**

Topics include further applications and techniques of integration with applications, polynomial approximations, sequences, and series.

Prerequisite: MATH 181 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 211B Advanced Mathematics for Electronics 4 (4,0,0,0)**

An advanced course focusing on the mathematics that supports RADAR theory, circuit theory and telecommunications theory. The course will include conic sections, trigonometric functions and vectors, matrices, analytic geometry, and the introduction to differential and integral calculus, applications of first and second order differential equations in electronics, and Laplace transforms.

Prerequisite: MATH 111B; and ET 132B; or Instructor approval.

**MATH 251 Discrete Mathematics I 3 (3,0,0,0)**

Topics include fundamental principles of logic and proof methods, elements of set theory, equivalence relations and partitions, counting techniques, mathematical induction, cardinality, power set, inclusion-exclusion principle, Cartesian product, pigeonhole principle, binomial theorem, probability and expectation.

Prerequisite: MATH 127 or equivalent

Corequisite: MATH 181 or equivalent.

**MATH 253 Matrix Algebra 3 (3,0,0,0)**

Introduces linear algebra, including matrices, determinants, vector spaces, linear transformations, eigenvectors and eigenvalues.

Prerequisite: MATH 182 with a grade of C or better.

**MATH 283 Calculus III 4 (4,0,0,0)**

Topics include vectors, differentiation and integration of vector valued functions, multi-variable calculus, partial derivatives, multiple integrals, and applications.

Prerequisite: MATH 182 with a grade of C or better; or a satisfactory ACT/SAT/Placement Test score.

**MATH 285 Differential Equations 3 (3,0,0,0)**

Theory and techniques for constant and variable coefficient ordinary linear differential equations. Also included are a number of non-linear types of ordinary differential equations. Emphasis will be on those differential equations arising from modeling real world phenomena.

Prerequisite: MATH 182 with a grade of C or better.

**Mechanical Engineering****ME 242 Dynamics 3 (3,0,0,0)**

Engineering analysis of bodies in motion in both two- and three-dimensions; analysis of the kinematic and kinetic principles for both particles and rigid bodies; the development and utilization of the concepts of force and acceleration, work, energy, impulse, momentum and impact.

Prerequisite: CEE 241; and PHYS 180 and 180L; and MATH 182.

**Management****MGT 100B Practical Human Relations for Business 3 (3,0,0,0)**

Study of human factors involved in business and management with emphasis upon mutual responsibilities and communication problems of employees, managers and customers. Team activities.

**MGT 103 Introduction to Small Business Management 3 (3,0,0,0)**

Topics covered include start-up, financial and administrative controls, marketing programs, management techniques, legal and governmental relationships. All aspects of operating a business will be thoroughly discussed.

**MGT 201 Principles of Management 3 (3,0,0,0)**

Topics covered include fundamentals and principles of management, administrative policies, objectives and procedures and problems of organization control and leadership.

**MGT 212 Leadership and Human Relations 3 (3,0,0,0)**

Focus is on understanding and managing human behavior in organizations. Developing a better understanding of one's self as a leader and exploring some of the more effective ways of leading others.





**MGT 235 Organizational Behavior 3 (3,0,0,0)**

Topics include concepts, theories and case studies concerning the behavior of people in modern business organizations.

**MGT 283 Introduction to Human Resources Management 3 (3,0,0,0)**

Designed to develop an understanding of the duties and responsibilities of personnel at the mid-management level. Areas covered include: employee needs, human relations, recruiting techniques, orienting and training employees, benefit programs and economics of supervision.

**MGT 284B Introduction to International Management 3 (3,0,0,0)**

Examination of the management of resources (people, capital goods, money, inventories and technology) across national boundaries. The student will also learn to adapt management principles and functions to the demands of foreign competition and environment. The class will be supplemented with international speakers.

Prerequisite: MGT 201.

**MGT 286B Personnel Interviewing 3 (3,0,0,0)**

A study of the legal aspects of interviewing in the public and private sector. Students participate in oral board, orientation, counseling, exit and performance appraisal simulations.

**MGT 294B Seminar in Management 3 (3,0,0,0)**

Analysis of the nature and problems in management. Focus is on planning, organizing, decision making and controlling through the study of recent relevant literature and selected cases. May be taken a maximum of three times.

**MGT 301 Principles of Management and Organizational Behavior 3 (3,0,0,0)**

Fundamentals and principles of management. Administrative policies, objectives, and procedures. Problems of organizational control and leadership.

Prerequisite: BUS 101.

**MGT 367 Human Resource Management 3 (3,0,0,0)**

Objectives, functions, organization, and philosophy of personnel relations. Special emphasis on employment, training, and labor relations.

Prerequisite: MGT 301.

**MGT 415 Business and Society 3 (3,0,0,0)**

Examines the relationships of business, government and society in the social, economic and political systems of the United States and the world. Issues in business/government relations, regulation, business ethics, law and international competition are discussed, and case material is used.

Prerequisite: BUS 101 or Instructor approval.

**MGT 423 Advanced Topics in Organizational and Interpersonal Behavior 3 (3,0,0,0)**

This course focuses on selected behavioral influences affecting decision making, organizational structure: including organizational power and politics, change and development and/or creativity.

Prerequisite: BUS 101 or Instructor approval.

**MGT 430 Management Technology Leadership 3 (3,0,0,0)**

This course is designed to introduce students on methods to develop leadership skills in the field of adopting technology advances to create value for the organization. The development of assessing the current climate of technology and its application to the business environment to promote change within an organization is strongly identified.

Prerequisite: BUS 101 or Instructor approval.

**MGT 441 Operational Quality Control and Problem Solving 3 (3,0,0,0)**

Provide students with a basic understanding of the principles of Operations Management and while demonstrating how to apply the basic principles of quality control.

Prerequisite: BUS 101 or Instructor approval.

**MGT 462 Changing Environment 3 (3,0,0,0)**

Managing ethically in the changing cultural, economic, political, technological and global environments of business.

Prerequisite: BUS 101 or Instructor approval.

**MGT 494 Seminar in Management 3 (3,0,0,0)**

Fundamentals and process of project management within an organizational setting; surveying and analysis of the project management field and its impact within various companies and organizations.

Prerequisite: BUS 101 or Instructor approval.

**MGT 496 Strategic Management and Policy 3 (3,0,0,0)**

This course focuses on the fundamentals of strategic project management and its role and purpose within an organizational structure.

Prerequisite: BUS 101 or Instructor approval.

**Mental Health Services****MHDD 101 Role of the Technician 1 (1,0,0,0)**

Basic skills in behavioral observation, documentation and approaches to intervention as a treatment team member. Other topics include guardianship, rights, confidentiality, abuse and neglect, and program implementation.



**MHDD 102 Medical Component 1 (1,0,0,0)**

This course covers basic medical information including infection control, safety procedures, confidentiality, awareness of normal bodily functions, personal care and recognition of signs and symptoms that need to be reported to medical staff.

**MHDD 103 Psychopathology and Developmental Disabilities 1 (1,0,0,0)**

Study of the functional relationship between dual diagnosis of mental disorders and/or developmental disabilities and individual treatment issues raised by dual diagnosis.

**MHDD 105 Conflict Prevention and Response Training 2 (2,0,0,0)**

This course focuses on the application of prevention and response techniques to support persons in crisis or conflict with others. These applications are for use by service providers as approved by the State of Nevada, Division of Mental Health and Developmental Services.

**MHDD 106 Teaching and Active Treatment 1 (1,0,0,0)**

Defining “active treatment” and its necessary components. Implementing active treatment in a service context of dignity, respect, privacy, access to choices and participation in the therapeutic process with the use of effective teaching methods.

**MHDD 107 Medication Fundamentals 2 (2,0,0,0)**

Study of major categories of psychotropic and seizure medications. Rationale for use of medication, typical dosages, main effects, assessment of effectiveness and potential side effects.

**MHDD 109 Introduction to Therapeutic Interventions 2 (2,0,0,0)**

Basic approaches to behavioral intervention including defining behavior, data collection, principles and application of behavior change techniques, and implementation of behavioral programs.

**MHDD 110 Introduction to Disability Services 3 (3,0,0,0)**

Study of the history, social attitudes, major diagnostic categories, assessment techniques, major service approaches, legislation and standards of services related to persons with disabilities.

**MHDD 126 Understanding Developmental Disabilities 2 (2,0,0,0)**

Definition, history, diagnosis and causes of developmental disabilities. Development and delivery of effective direct support services to persons with developmental disabilities.

**MHDD 127 Positive Behavior Supports 2 (2,0,0,0)**

Addressed are applied approaches to changing behavior emphasizing positive learning principles, including functional observation and assessment of behavior, data collection, computation and graphing of data, positive behavior support planning and implementation, reinforcement, and progress evaluation.

**MHDD 130 Teaching Life Skills 3 (3,0,0,0)**

Study of teaching functional life skills to persons with disabilities, including persons with physical, social, vocational, communicative, intellectual, cognitive, and other mental disabilities.

**MHDD 150 Issues In Substance Abuse 1 (1,0,0,0)**

Overview of substance abuse issues and study of basic treatment approaches. Includes biological and lifestyle factors as well as legal issues.

**MHDD 152 Allied Therapies 1 (1,0,0,0)**

Study of the interdisciplinary roles of psychiatrists, psychologists, nurses, social workers, speech therapists, occupational therapists, recreational therapists and other professions involved in the therapeutic process.

**MHDD 153 Life Span Development 1 (1,0,0,0)**

Human growth and development through the life span. Includes social, cognitive and biological perspectives related to direct support services to persons with mental illness and/or developmental disabilities.

**MHDD 154 Advanced Therapeutic Interventions 2 (2,0,0,0)**

A working knowledge of therapeutic interventions, including active listening skills, elements of treatment plans, applications of basic treatment models and issues in therapeutic relationships.

Prerequisite: MHDD 109.

**MHDD 160 Understanding Mental Illness 2 (2,0,0,0)**

Practical strategies for working with people with mental illness. Includes a brief history, social stigma, major diagnostic categories, common treatment issues and development of treatment plans related to mental illness.

**MHDD 210 Autism Spectrum Disorders 3 (3,0,0,0)**

Overview of autism spectrum disorders, including: assessment, diagnostic criteria, behavioral characteristics, impact on family, current research/intervention approaches, and support services.

**MHDD 291B Fieldwork Experience 3 (1,0,0,12)**

Experience to apply academic skills to on-site job training in human services agencies under experienced on-site supervision and on-going consulting with faculty mentor. May be repeated to a maximum of nine credits.

Prerequisite: Completion of at least ten MHDD credits and Program Director approval.

**MHDD 295 Practicum 3 (1,0,0,6)**

Applied observation, experience, and reporting of service learning within approved community services setting.

Prerequisite: Instructor approval..



**MHDD 299 Capstone Project 3 (1,0,0,6)**

This course provides a capstone experience to integrate theory and academic coursework into a substantive applied project for students majoring in Mental Health Services.

Prerequisite: Program Director approval.

## Military Science

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**MIL 100 Leadership Lab 1 (0,2,0,0)**

Practicum in those skills taught in the classroom during the other military science classes. Hands-on lab led by mentored cadets focusing on leadership, planning and execution of squad tactics, movement formations, drill and ceremonies, equipment inspections, rappelling, land navigation, orienteering, rifle marksmanship, and air-mobile operations. Leadership Lab is required every semester in conjunction with the appropriate military science class.

**MIL 101 Leadership and Personal Development 2 (2,0,0,0)**

Mission of the armed services, introduction to the United States Army, its customs and traditions, the role of the Army Officer, the role of the Non-Commissioned Officers Corps, Organizations of the TOTAL Army (Including the National Guard and Army Reserves). Introductory orienteering, marksmanship, physical fitness and briefing skills.

**MIL 101L Military Science Lab and Physical Training I 1 (0,2.75,0,0)**

MIL 101L continues to focus the development to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. The Advanced leadership lab is a Practicum in those skills taught in conjunction with classroom instruction given during the MIL 101 Lecture. Hands-on lab focusing on military leadership, battalion staff planning and training development for the execution of platoon and squad level tactics, movement formations, and land navigation. This is a hands-on lab focusing on the further development of military leadership, planning and execution of Platoon and squad tactics, movement formations, and land navigation.

**MIL 102 Introduction to Tactical Leadership 2 (2,0,0,0)**

Continuation of the mission of the armed services, introduction to the United States Army, its customs and traditions, the role of the Non-Commissioned Officers Corps, Organizations of the TOTAL Army (Including the National Guard and Army Reserves). Introductory orienteering, marksmanship, physical fitness and briefing skills.

**MIL 102L Military Science Lab and Physical Training II 1 (0,2.75,0,0)**

MIL 102L continues to focus the development to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. The Advanced leadership lab is a Practicum in those skills taught in conjunction with classroom instruction given during the MIL 102 lecture. Hands-on lab focusing on military leadership, battalion staff planning and training development for the execution of platoon and squad level tactics, movement formations, and land navigation. This is a hands-on lab focusing on the further development of military leadership, planning and execution of Platoon and squad tactics, movement formations, and land navigation.

**MIL 201 Innovative Team Leadership 2 (2,0,0,0)**

Introduction to leadership and management, which develops the basic skills that must be learned in order to perform as an effective leader. Introduction to the Army Leadership Development Program (LDP), the decision-making process, the code of conduct, the Army Operations Order format and its use. Advanced land navigation, physical fitness and briefing skills.

**MIL 201L Military Science Lab and Physical Training III 1 (0,2.75,0,0)**

MIL 201L continues to focus the development to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. The Advanced leadership lab is a Practicum in those skills taught in conjunction with classroom instruction given during the MIL 201 lecture. Hands-on lab focusing on military leadership, battalion staff planning and training development for the execution of platoon and squad level tactics, movement formations, and land navigation. This is a hands-on lab focusing on the further development of military leadership, planning and execution of Platoon and squad tactics, movement formations, and land navigation.

**MIL 202 Foundations of Tactical Leadership 2 (2,0,0,0)**

Leadership and management, which develops the basic skills that must be learned in order to perform as an effective leader. Introduction to the Army Leadership Development Program (LDP), the decision-making process, the code of conduct, the Army Operations Order format and its use. Advanced land navigation, physical fitness, and briefing skills.

**MIL 202L Military Science Lab and Physical Training IV 1 (0,2.75,0,0)**

MIL 202L continues to focus the development to the professional challenges and competencies that are needed for effective execution of the profession of arms and Army communication. The Advanced leadership lab is a Practicum in those skills taught in conjunction with classroom instruction given during the MIL 202 lecture. Hands-on lab focusing on military leadership, battalion staff planning and training development for the execution of platoon and squad level tactics, movement formations, and land navigation. This is a hands-on lab focusing on the further development of military leadership, planning and execution of Platoon and squad tactics, movement formations, and land navigation.



## Marketing

**MKT 123 Sales Promotion 3 (3,0,0,0)**

Provides the basic knowledge necessary to develop sound sales promotion practices. Builds on a rigorous base of consumer psychology and treats advertising, reseller stimulation, personal selling and other communication tools as part of an overall promotional mix.

**MKT 127 Introduction to Retailing 3 (3,0,0,0)**

Directs the student's attention to the dollar and cents implications of managerial decisions and to the various methods used to measure the profitability of those decisions in the field of retailing. Underlines the importance of customer requirements, taste and expectations, emphasizing the retailing implications of market factors.

**MKT 132 Sales Management 3 (3,0,0,0)**

Provides a comprehensive view of the sales manager as an administrator. Presents a detailed picture of how to operate a sales force including selecting, training, compensating, supervising and motivating sales people.

**MKT 210 Marketing Principles 3 (3,0,0,0)**

Survey of marketing. Studies problems of the manufacturer, wholesaler and retailer in the marketing of goods and services, channels of distribution, customer relations, pricing policies and communications.

**MKT 211 Introduction to Professional Sales 3 (3,0,0,0)**

Provides a comprehensive hands-on experience in selling techniques as they relate to modern industrial, wholesale and consumer products.

**MKT 250 Introduction to International Marketing 3 (3,0,0,0)**

Introduces the student to the various functions of marketing as they are performed in the international environment. Focuses on the problems and decisions facing management in international marketing. Considers the impact of differences in language, aesthetics, religion and business customs on marketing strategies.

Prerequisite: MKT 210.

**MKT 261 Introduction to Public Relations 3 (3,0,0,0)**

Techniques of public relations for those holding supervisory or higher positions in management and marketing. Principles of creating and maintaining good public relations, including employee/employer relations. Customer/employee relations receive emphasis while focusing on the programming of the total public relations effort and selecting of appropriate strategy, media and persuasive devices to accomplish objectives.

**MKT 450 Competitive Strategies for Product and Price Management 3 (3,0,0,0)**

This course is designed to broaden and deepen understanding, application, and evaluation of project and price management decision-making issues.

Prerequisite: BUS 101 or Instructor approval.

## Mechanical Technology

**MT 101B Introduction to Theater Technology 2 (2,0,0,0)**

Introduction and survey of theater history and technology. Identification of criteria for employment and goal achievement in theater environment. Understanding technical and occupational skills needed for meaningful employment within the theater industry.

**MT 102B Fundamentals of Electricity 4 (3,2,0,0)**

Fundamentals of constructing electrical circuits, measuring their predictable parameters, using measuring instruments and materials needed to maintain and repair electrical systems. Students in this course should have a working knowledge of algebra.

**MT 104B Industrial Electricity 4 (3,2,0,0)**

The course concentrates on fabricating, maintaining, troubleshooting, and repairing electrical systems encountered in industry. Emphasis is on the different types of common motor controllers and ladder logic for configuration.

Prerequisite: MT 102B; or ET 131B; or AC 102B; or Instructor approval; or Program approval.

**MT 106B Mechanical Power Transmission 4 (3,2,0,0)**

Overview of hardware components of mechanical power to include preventive maintenance, troubleshooting, overhauling and repairing parts and equipment.

**MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4 (3,2,0,0)**

Presents the theoretical basis for hydraulic and pneumatic circuitry. Attention is given to circuit components and how they work. Assembly, disassembly and troubleshooting is emphasized.

**MT 110B Material Science I (Ferrous and Non-Ferrous) 4 (3,2,0,0)**

The study of compositions, structures and behaviors of ferrous and non-ferrous materials and their effects on physical, mechanical and electrical.

**MT 112B Manufacturing Quality Control 3 (2,2,0,0)**

The development of a process to determine when a system is in or out of its parameters. Data collection, analysis and problem solving is emphasized.





**MT 114B Automated Manufacturing Control 3 (2,2,0,0)**

Encompasses the requisition, ordering, expediting and stock control of materials. Principles of computer and sensor operated manufacturing are presented.

**MT 115B Programmable Logic Controllers I 3 (2,2,0,0)**

Presents the principle of programming logic controller and computerized sensor controls. Emphasis placed on troubleshooting and maintaining computerized sensor control systems.

Prerequisite: A grade of C or higher in AC 102B or ET 131B or MT 102B or 104B; AND either IS 100B (with a grade of pass) or a grade of C or higher in IS 101 or CIT 112 or CSCO 120; or Instructor or Department approval.

**MT 116B Programmable Logic Controllers II 3 (2,2,0,0)**

Advanced programmable control applications and uses dealing with programmable control frequency drives and man machine interfaces packages.

Prerequisite: MT 115B with a grade of C or better; and one of the following with a grade of C or better: CIT 112B or CIT 119B or CSCO 120; or program approval.

**MT 120B Electrical Safety 1 (1,0,0,0)**

This course covers the proper safety procedures based on OSHA standards 29 CFR 1910 requiring qualification for work on live circuits.

**MT 121B Fundamentals of Industrial Measurement 2 (2,0,0,0)**

This course covers basic electrical pressure, density, viscosity, temperature measurements and application of Ohm's Law. Safe and correct usage of various meters, gauges and test equipment will be emphasized.

**MT 122B Hand Tools and Measuring Instruments 1 (1,0,0,0)**

Using computer simulation, the student will articulate proper holding of hand tools for turning and striking. In this same fashion the student will also set up, calibrate and properly use precision measurement tools.

**MT 123B Rigging and Lifting 1 (1,0,0,0)**

Computer simulation will be used to demonstrate types of lifting equipment, when each type would be used and proper procedures for planning a lift.

**MT 124B Industrial Lubrication 1 (1,0,0,0)**

This course covers various lubrication systems, their operations, preventative maintenance, repair and failure analysis. Included are ring, bath, splash, constant level and force-fed systems. Proper use of related equipment will be covered.

**MT 130B Introduction to the Natural Gas Industry 3 (2,2,0,0)**

Introduction to the natural gas industry. Includes the history of the gas industry, safety issues, and field operations.

**MT 132B Natural Gas Pipe Joining 3 (2,2,0,0)**

Introduction to the natural gas pipe joining. Includes plastic pipe and metal pipe joining. Types of joining cover plastic solvent, compression coupling, heat fusion, welded, and bolted.

Prerequisite: MT 130B with a grade of C or higher.

**MT 134B Natural Gas Line Locating & Leak Survey 3 (2,2,0,0)**

Introduction to natural gas pipe leak detection. Includes detection of leaks in the various pipeline configurations and subsystems; key devices/tools used in the detection of leaks; and classification, grading, and surveying of leaks.

Prerequisite: MT 132B with a grade of C or better.

**MT 140B Electrical/Electronic Theory 2.5 (2.5,0,0,0)**

This course covers Ohm's Law, the relationship of volts/amps/resistance, basic schematics, symbols and measurement. Analog and digital circuits will be introduced.

Prerequisite: MATH 116.

**MT 141B Electrical Print Reading 1 (1,0,0,0)**

Reading and interpreting the symbols on electrical schematics, determining the function of input, logic and output elements in control circuits are covered.

Prerequisite: MATH 116.

**MT 142B Conduit Bending and Installation 0.5 (0.5,0,0,0)**

Understanding of general conduit bending and installation in accordance with the National Electrical Code (NEC), conduit systems, general specifications and the use of types and major components of materials are introduced.

Prerequisite: MATH 116.

**MT 143B Electrical Control Equipment 3 (3,0,0,0)**

Understanding of installation, maintenance and use of electrical control equipment, such as fuses, circuit breakers, circuit breaker panels, switches, control circuits and relays are covered. This course also covers basic troubleshooting and repair.

Prerequisite: MATH 116.

**MT 144B Electrical/Electronic Test Equipment 1 (1,0,0,0)**

This course deepens the understanding of electronic test equipment, including digital volt/ohmmeters (DVOM), oscilloscopes and function generators.

Prerequisite: MATH 116.



**MT 145B Troubleshooting Skills 0.5 (0.5,0,0,0)**

Basic procedures for troubleshooting electrical control circuits, using schematic diagrams to locate problems. Performing continuity checks and developing a diagnostic routine are also covered.

Prerequisite: MATH 116.

**MT 160B Industrial Hydraulic Power 3 (3,0,0,0)**

Components of hydraulic systems and how the components function together, as well as interpretation of hydraulic schematics are covered.

**MT 161B AC/DC Motors 2 (2,0,0,0)**

Identification of the basic types of AC/DC motors including permanent magnet, three-phase and induction motors, their major components and how to measure, inspect and diagnose malfunctions are covered.

**MT 180B Co-Op/Internship First Semester 3 (0,0,0,12)**

This course provides hands-on opportunities for students to work in actual power utilities environment to gain experience and learn how to apply technical knowledge and skills learned in their course work to actual power utility setting. This Co-Op course is directed by a qualified professional and supervised by the instructor. One credit will be earned for each four hours worked per week during the semester.

**MT 181B Co-Op/Internship Second Semester 3 (0,0,0,12)**

This course provides hands-on opportunities for students to work in actual power utilities environment to gain experience and learn how to apply technical knowledge and skills learned in their course work to actual power utility setting. This Co-Op course is directed by a qualified professional and supervised by the instructor. One credit will be earned for each four hours worked per week during the semester.

**MT 182B Co-Op/Internship Third Semester 2 (0,0,0,9)**

This course provides hands-on opportunities to apply material and skills learned in the interactive, multimedia course work previously completed in MT 160B and MT 161B and MT 162B.

Prerequisite: Department approval.

**MT 183B Co-Op/Internship Third Semester 3 (0,0,0,12)**

This course provides the student with the opportunity to apply the technical knowledge and skills acquired in their course work to actual theater environment. This Co-Op course is directed by a qualified professional and supervised by the instructor. One credit will be earned for each four hours worked per week during the semester.

**MT 184B Co-Op/Internship Fourth Semester 3 (0,0,0,12)**

This course provides hands-on opportunities for students to work in actual theater environment to gain experience and learn how to apply technical knowledge and skills learned in their course work to actual theater settings. This Co-Op course is directed by a qualified professional and supervised by the instructor. One credit will be earned for each four hours worked per week during the semester.

**MT 262B Automation Control Systems 3 (2,2,0,0)**

This course covers Programmable Automation Systems. It utilizes automation controllers, industrial Ethernet switches, motor drives, and Ethernet Remote I/O. Students will create an IP based automation control system. Topics covered will be: system creation; configuration and assembly of industrial Ethernet Switches; configuration and control of IP interfaced motor controllers over the IP based control network; configuration and control of remote I/O over IP based control network.

Prerequisite: MT 116B or Instructor approval or Program approval.

## Music

**MUS 100 Concert Attendance 0 (0,0,0,1)**

Attendance at ten on-campus concerts and/or recitals as a member of the audience. Required of every music major for four semesters. Note: Students taking this course must check in with the Music Office during the first week of the semester.

**MUS 101 Music Fundamentals 3 (3,0,0,0)**

A course in learning to read music, including notation, terminology, scales, and chords. Designed to furnish a foundation for musicianship.

**MUS 102 Beginning Music Theory 3 (3,0,0,0)**

Review course designed for music majors whose background in music theory is not sufficient for admittance into MUS 201. Topics covered include notation, note reading, scales, intervals, chords, part writing, sight singing, and ear training.

**MUS 103 Voice Class I 3 (3,0,0,0)**

Teaches fundamentals of tone production, breath control, and practical techniques involved in reading and interpreting songs.

**MUS 107 Guitar Class I 3 (3,0,0,0)**

A class in basic guitar technique. Recommended for non-Music majors and elementary school teachers. No previous musical training required.

**MUS 108 Guitar Class II 3 (3,0,0,0)**

Classroom instruction in guitar at the intermediate level.

Prerequisite: MUS 107.





- MUS 111 Piano Class I 3 (3,0,0,0)**  
Class instruction in piano playing. This course is for people who have never played the piano.
- MUS 112 Piano Class II 3 (3,0,0,0)**  
A class in basic piano technique designed as a continuation of MUS 111.  
Prerequisite: MUS 111.
- MUS 121 Music Appreciation 3 (3,0,0,0)**  
The course is for students with little or no musical training and focuses on the historical background of classical music and composers and listening to representative works. Emphasis is on increasing the enjoyment and understanding of a variety of classical musical styles.
- MUS 125 History of Rock Music 3 (3,0,0,0)**  
The esthetics and sociology of rock from its origins in rhythm and blues to the rise of Elvis Presley and Rock-a-Billy, Chuck Berry and teenage-rock, Bob Dylan and protest rock, the Beatles and the Rolling Stones, Psychedelic Rock, and Soul.
- MUS 131 Introduction to Music Literature 3 (3,0,0,0)**  
Development of a listening repertoire that will serve as a basis for music history.
- MUS 133 History of The Beatles 3 (3,0,0,0)**  
Students will study the history of The Beatles from their beginnings in Liverpool, England, to their unequaled world popularity. It will feature a mixture of videos, music, and discussion that will cover every important phase of the world's most successful and beloved rock band.
- MUS 134 Jazz Appreciation 3 (3,0,0,0)**  
Study of jazz literature for the layperson from the early 1900s to the present with emphasis on differentiating the various styles of jazz.
- MUS 160 Computer Music Technology I 3 (3,0,0,0)**  
A hands-on course correlating music with computer usage. Classes take place in a one-computer station-per-student environment. Topics include sound/data management, MIDI, basic recording, editing, and signal processing. Systems used may include Ableton Live and Apple Logic.
- MUS 181 Business of Music 3 (3,0,0,0)**  
A general survey course to provide the knowledge of music merchandising, management, publishing, contracts, copyrights, record production, concert promotion and manager selection.
- MUS 201E Basic Musicianship I E 3 (3,0,0,0)**  
Elementary Harmony. A basic study of harmonic practices, including four-part writing and rudimentary forms.  
Prerequisite: Music Theory Placement Exam or MUS 102 with a grade of C or higher.
- MUS 201F Basic Musicianship I F 1 (1,0,0,1)**  
Ear-Training and Sight-Singing Lab. These elements are practiced as related to materials presented in MUS 201E.  
Prerequisite: Music Theory Placement Exam or MUS 102 with a grade of C or higher.
- MUS 202E Basic Musicianship II E 3 (3,0,0,0)**  
Elementary Harmony. A basic study of harmonic practices, including diatonic seventh chords, part-writing, secondary functions, modulations and rudimentary forms.  
Prerequisite: MUS 201E.
- MUS 202F Basic Musicianship II F 1 (1,0,0,1)**  
Ear-Training and Sight-Singing Lab. These elements are practiced as related to materials presented in MUS 202E.  
Prerequisite: MUS 201F.
- MUS 207E Advanced Musicianship I E 3 (3,0,0,0)**  
The study of harmonic practices including part-writing, altered chords, modulations and late nineteenth century techniques.  
Prerequisite: MUS 202E.
- MUS 207F Advanced Musicianship I F 1 (1,0,0,0)**  
Ear-Training and Sight-Singing Lab. These elements are practiced as related to materials presented in MUS 207E.  
Prerequisite: MUS 202F.
- MUS 208E Advanced Musicianship II E 3 (3,0,0,0)**  
The advanced study of harmonic practices including twentieth century techniques and rudimentary counterpoint exercises.  
Prerequisite: MUS 207E.
- MUS 208F Advanced Musicianship II F 1 (1,0,0,0)**  
Ear-Training and Sight-Singing Lab. These elements are practiced as related to materials presented in MUS 208E.  
Prerequisite: MUS 207F.
- MUS 229 Survey of Latin American Music 3 (3,0,0,0)**  
A survey of musical traditions and stylistic trends of Latin America from their roots to the present. This course will explore selected Latin American music works and styles from countries such as Mexico, Cuba, Brazil, Colombia, Argentina and others, studying their influence in other continents and the United States.
- MUS 230 Computer Music Technology II 3 (3,0,0,0)**  
Provides a detailed study into the relationship between music production and computers. Topics include digital signal processing (DSP), software synthesis, plugins, computer audio hardware, and other components of the digital audio workstation (DAW). Systems used may include Apple Logic, Ableton Live, and Makemusic Finale.  
Prerequisite: MUS 160 with a grade of C- or higher.



**MUS 231 Recording Techniques I 3 (3,0,0,0)**

An introduction to audio recording including theoretical concepts, terminology, microphones, consoles, and use of analog and digital equipment. Includes hands-on training.

Corequisite: MUS 239.

**MUS 232 Recording Techniques II 3 (3,0,0,0)**

An intermediate course in multi-track recording techniques including discussions on session procedures, production techniques, tracking and overdubbing methods, and general equipment operation.

Prerequisite: MUS 231.

Corequisite: MUS 240.

**MUS 239 Virtual Studio Technology 3 (3,0,0,0)**

Explores the theory and application of hard-disc recording systems, particularly ProTools, from setup to mastering. Students have hands-on experience while learning concepts and techniques for proper functioning of MIDI, digital audio, I/O, plugins, etc. NOTE: This course uses Avid ProTools.

**MUS 240 Virtual Studio Technology II 3 (3,0,0,0)**

A continuation of MUS 239. Emphasizes advanced DAW usage, particularly ProTools. Students have hands-on experience with concepts and techniques including signal routing strategies, keyboard shortcuts, power commands, editing, automation and other advanced DAW features. NOTE: This course uses Avid ProTools.

Prerequisite: MUS 239 with a grade of C- or higher.

**MUS 249 Harp 1 (0,0,0,0.5)**

Private instruction in harp. May be repeated up to a maximum of four credits.

**MUS 251 Jazz Fundamentals I 3 (3,0,0,0)**

Study of chord/scale relationships in improvising jazz/rock music. Includes voicings for keyboard and instrumental performance.

Prerequisite: Appropriate musical background.

**MUS 255 Jazz Keyboard Techniques I 3 (3,0,0,0)**

Continuation of skills from MUS 111 with an emphasis on pop, jazz, and contemporary piano styles.

Prerequisite: MUS 111.

**MUS 256 Jazz Keyboard Techniques II 3 (3,0,0,0)**

Continuation of MUS 255. Emphasis on improvisation, composition, and performance with rhythm section.

Prerequisite: MUS 255.

**MUS 260B Studio Session Procedures 3 (3,0,0,0)**

A course in recording studio production developed as a real-world case study. Students participate in a semester-long project creating a commercial-release quality recording of a musical group. The entire process from preparation through mastering is involved. Studio etiquette, management, and artist psychology are also demonstrated. Up to 9 hours outside of scheduled class time may be required.

Prerequisite: MUS 232 with a grade of C- or higher.

**MUS 262B Urban Music Production 3 (3,0,0,0)**

Focuses on techniques used in creating Hip-Hop, Rap, Contemporary R&B, and related styles of music. Examples of devices used (may vary) include ProTools, Logic, Reason, NI Komplete and Maschine, Akai MPC2000, and vintage and current synthesizers and samplers.

Prerequisite: MUS 232 with a grade of C- or higher.

**MUS 281B Business of Music II 3 (3,0,0,0)**

A continuation of MUS 181. Topics include starting a record label, recording budgets, record royalties, audits, legal agreements, and the future of the recording and music industry.

Prerequisite: MUS 181.

**MUS 285B Advanced Recording Techniques 3 (3,0,0,0)**

A continuation of MUS 232. Emphasis on hands-on recording projects, digital multitrack recording, hard-disk editing, and mix-down techniques.

Prerequisite: MUS 232.

**MUS 291 Legal Aspects of the Music Industry 3 (3,0,0,0)**

This course consists of three core topics: Personal Management, Music Publishing, and the Recording Industry. The legal focus will draw primarily from the experience in the states where most of the relevant statutes exist, and where many of the pertinent judicial and administrative decisions are made. All relevant aspects of Nevada and Federal Copyright law are also covered. The basic structure of industry contracts and income flow will be examined from both the artist and company perspectives; procedural aspects of this course include discussion of various approaches to contract negotiations.

Prerequisite: MUS 281 with a grade of C- or higher.

**MUS 292 Audio Post-Production I 3 (3,0,0,0)**

An introduction to the technological and artistic applications of audio used for visual media. This course covers the basics of sound elements, audio formats, "digital conversions", and strategies employed to address all of these. Topics and source materials experienced may include sound effect libraries, production music libraries and scored music, sound editing, on-location ("field") audio, ADR, OMF files, "pre-dubs", and 5.1 surround sound.

Prerequisite: Prerequisite: MUS 240.



## Music – Private Instruction

### **MUSA 101 Bass – Lower Division 1 (0,0,0,0.5)**

Private instruction in Bass for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 102 Bass II 1 (0,0,0,0.5)**

Private instruction in Bass for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 101.

### **MUSA 103 Bassoon – Lower Division 1 (0,0,0,0.5)**

Private instruction in Bassoon for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 104 Bassoon II 1 (0,0,0,0.5)**

Private instruction in Bassoon for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 103.

### **MUSA 105 Cello – Lower Division 1 (0,0,0,0.5)**

Private instruction in Cello for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 106 Cello II 1 (0,0,0,0.5)**

Private instruction in Cello for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 105.

### **MUSA 107 Clarinet – Lower Division 1 (0,0,0,0.5)**

Private instruction in Clarinet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 108 Clarinet II 1 (0,0,0,0.5)**

Private instruction in Clarinet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 107.

### **MUSA 109 Drum Set – Lower Division 1 (0,0,0,0.5)**

Private instruction in Drum Set for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 110 Drum Set II 1 (0,0,0,0.5)**

Private instruction in Drum Set for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 109.

### **MUSA 111 Euphonium - Lower Division 1 (0,0,0,0.5)**

Private instruction in Euphonium for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 112 Euphonium II 1 (0,0,0,0.5)**

Private instruction in Euphonium for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 111.

### **MUSA 113 Flute – Lower Division 1 (0,0,0,0.5)**

Private instruction in Flute for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

### **MUSA 114 Flute II 1 (0,0,0,0.5)**

Private instruction in Flute for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 113.



**MUSA 115 Guitar – Lower Division 1 (0,0,0,0.5)**

Private instruction in Guitar for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 116 Guitar II 1 (0,0,0,0.5)**

Private instruction in Guitar for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 115.

**MUSA 117 Harp – Lower Division 1 (0,0,0,0.5)**

Private instruction in Harp for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 118 Harp II 1 (0,0,0,0.5)**

Private instruction in Harp for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 117.

**MUSA 121 Horn – Lower Division 1 (0,0,0,0.5)**

Private instruction in Horn for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 122 Horn II 1 (0,0,0,0.5)**

Private instruction in Horn for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 121.

**MUSA 123 Oboe – Lower Division 1 (0,0,0,0.5)**

Private instruction in Oboe for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 124 Oboe II 1 (0,0,0,0.5)**

Private instruction in Oboe for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 123.

**MUSA 127 Percussion – Lower Division 1 (0,0,0,0.5)**

Private instruction in Percussion for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 128 Percussion II 1 (0,0,0,0.5)**

Private instruction in Percussion for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 127.

**MUSA 129 Piano – Lower Division 1 (0,0,0,0.5)**

Private instruction in Piano for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 130 Piano II 1 (0,0,0,0.5)**

Private instruction in Piano for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 129.

**MUSA 131 Saxophone – Lower Division 1 (0,0,0,0.5)**

Private instruction in Saxophone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 132 Saxophone II 1 (0,0,0,0.5)**

Private instruction in Saxophone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 131.





**MUSA 133 Synthesizer/MIDI - Lower Division 1 (0,0,0,0.5)**

Private instruction in Synthesizer/MIDI for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 134 Synthesizer/MIDI II 1 (0,0,0,0.5)**

Private instruction in Synthesizer/MIDI for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 133.

**MUSA 135 Trombone - Lower Division 1 (0,0,0,0.5)**

Private instruction in Trombone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 136 Trombone II 1 (0,0,0,0.5)**

Private instruction in Trombone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 135.

**MUSA 137 Trumpet - Lower Division 1 (0,0,0,0.5)**

Private instruction in Trumpet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 138 Trumpet II 1 (0,0,0,0.5)**

Private instruction in Trumpet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 137.

**MUSA 139 Tuba - Lower Division 1 (0,0,0,0.5)**

Private instruction in Tuba for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 140 Tuba II 1 (0,0,0,0.5)**

Private instruction in Tuba for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 139.

**MUSA 141 Viola - Lower Division 1 (0,0,0,0.5)**

Private instruction in Viola for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 142 Viola II 1 (0,0,0,0.5)**

Private instruction in Viola for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 141.

**MUSA 143 Violin - Lower Division 1 (0,0,0,0.5)**

Private instruction in Violin for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 144 Violin II 1 (0,0,0,0.5)**

Private instruction in Violin for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 143.

**MUSA 145 Voice - Lower Division 1 (0,0,0,0.5)**

Private instruction in Voice for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for first semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

**MUSA 146 Voice II 1 (0,0,0,0.5)**

Private instruction in Voice for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for second semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 145.



<b>MUSA 151 Bass for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 167 Synthesizer/MIDI for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Bass for non-majors. May be repeated for credit.		Private instruction in Synthesizer/MIDI for non-majors. May be repeated for credit.	
<b>MUSA 152 Bassoon for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 168 Trombone for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Bassoon for non-majors. May be repeated for credit.		Private instruction in Trombone for non-majors. May be repeated for credit.	
<b>MUSA 153 Cello for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 169 Trumpet for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Cello for non-majors. May be repeated for credit.		Private instruction in Trumpet for non-majors. May be repeated for credit.	
<b>MUSA 154 Clarinet for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 170 Tuba for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Clarinet for non-majors. May be repeated for credit.		Private instruction in Tuba for non-majors. May be repeated for credit.	
<b>MUSA 155 Drum Set for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 171 Viola for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Drum Set for non-majors. May be repeated for credit.		Private instruction in Viola for non-majors. May be repeated for credit.	
<b>MUSA 156 Euphonium for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 172 Violin for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Euphonium for non-majors. May be repeated for credit.		Private instruction in Violin for non-majors. May be repeated for credit.	
<b>MUSA 157 Flute for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 173 Voice for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Flute for non-majors. May be repeated for credit.		Private instruction in Voice for non-majors. May be repeated for 4 times for credit for a maximum of 4 credits. Prerequisite: Audition required.	
<b>MUSA 158 Guitar for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 201 Bass III</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Guitar for non-majors. May be repeated for credit.		Private instruction in Bass for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester. Prerequisite: MUSA 102.	
<b>MUSA 159 Harp for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 202 Bass IV</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Harp for non-majors. May be repeated for credit.		Private instruction in Bass for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester. Prerequisite: MUSA 201.	
<b>MUSA 161 Horn for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>	<b>MUSA 203 Bassoon III</b>	<b>1 (0,0,0,0.5)</b>
Private instruction in Horn for non-majors. May be repeated for credit.		Private instruction in Bassoon for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester. Prerequisite: MUSA 104.	
<b>MUSA 162 Oboe for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>		
Private instruction in Oboe for non-majors. May be repeated for credit.			
<b>MUSA 164 Percussion for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>		
Private instruction in Percussion for non-majors. May be repeated for credit.			
<b>MUSA 165 Piano for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>		
Private instruction in Piano for non-majors. May be repeated for credit.			
<b>MUSA 166 Saxophone for Non-Majors</b>	<b>1 (0,0,0,0.5)</b>		
Private instruction in Saxophone for non-majors. May be repeated for credit.			





**MUSA 204 Bassoon IV 1 (0,0,0,0.5)**

Private instruction in Bassoon for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 203.

**MUSA 205 Cello III 1 (0,0,0,0.5)**

Private instruction in Cello for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 106.

**MUSA 206 Cello IV 1 (0,0,0,0.5)**

Private instruction in Cello for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 205.

**MUSA 207 Clarinet III 1 (0,0,0,0.5)**

Private instruction in Clarinet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 108.

**MUSA 208 Clarinet IV 1 (0,0,0,0.5)**

Private instruction in Clarinet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 207.

**MUSA 209 Drum Set III 1 (0,0,0,0.5)**

Private instruction in Drum Set for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 110.

**MUSA 210 Drum Set IV 1 (0,0,0,0.5)**

Private instruction in Drum Set for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 209.

**MUSA 211 Euphonium III 1 (0,0,0,0.5)**

Private instruction in Euphonium for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 112.

**MUSA 212 Euphonium IV 1 (0,0,0,0.5)**

Private instruction in Euphonium for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 211.

**MUSA 213 Flute III 1 (0,0,0,0.5)**

Private instruction in Flute for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 114.

**MUSA 214 Flute IV 1 (0,0,0,0.5)**

Private instruction in Flute for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 213.

**MUSA 215 Guitar III 1 (0,0,0,0.5)**

Private instruction in Guitar for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 116.

**MUSA 216 Guitar IV 1 (0,0,0,0.5)**

Private instruction in Guitar for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 215.

**MUSA 217 Harp III 1 (0,0,0,0.5)**

Private instruction in Harp for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 118.



**MUSA 218 Harp IV 1 (0,0,0,0.5)**

Private instruction in Harp for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 217.

**MUSA 221 Horn III 1 (0,0,0,0.5)**

Private instruction in Horn for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 122.

**MUSA 222 Horn IV 1 (0,0,0,0.5)**

Private instruction in Horn for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 221.

**MUSA 223 Oboe III 1 (0,0,0,0.5)**

Private instruction in Oboe for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 124.

**MUSA 224 Oboe IV 1 (0,0,0,0.5)**

Private instruction in Oboe for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 223.

**MUSA 227 Percussion III 1 (0,0,0,0.5)**

Private instruction in Percussion for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 128.

**MUSA 228 Percussion IV 1 (0,0,0,0.5)**

Private instruction in Percussion for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 227.

**MUSA 229 Piano III 1 (0,0,0,0.5)**

Private instruction in Piano for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 130.

**MUSA 230 Piano IV 1 (0,0,0,0.5)**

Private instruction in Piano for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 229.

**MUSA 231 Saxophone III 1 (0,0,0,0.5)**

Private instruction in Saxophone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 132.

**MUSA 232 Saxophone IV 1 (0,0,0,0.5)**

Private instruction in Saxophone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 231.

**MUSA 233 Synthesizer/MIDI III 1 (0,0,0,0.5)**

Private instruction in Synthesizer/MIDI for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 134.

**MUSA 234 Synthesizer/MIDI IV 1 (0,0,0,0.5)**

Private instruction in Synthesizer/MIDI for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 233.



**MUSA 235 Trombone III 1 (0,0,0,0.5)**

Private instruction in Trombone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 136.

**MUSA 236 Trombone IV 1 (0,0,0,0.5)**

Private instruction in Trombone for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 235.

**MUSA 237 Trumpet III 1 (0,0,0,0.5)**

Private instruction in Trumpet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 138.

**MUSA 238 Trumpet IV 1 (0,0,0,0.5)**

Private instruction in Trumpet for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 237.

**MUSA 239 Tuba III 1 (0,0,0,0.5)**

Private instruction in Tuba for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 140.

**MUSA 240 Tuba IV 1 (0,0,0,0.5)**

Private instruction in Tuba for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 239.

**MUSA 241 Viola III 1 (0,0,0,0.5)**

Private instruction in Viola for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 142.

**MUSA 242 Viola IV 1 (0,0,0,0.5)**

Private instruction in Viola for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 241.

**MUSA 243 Violin III 1 (0,0,0,0.5)**

Private instruction in Violin for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 144.

**MUSA 244 Violin IV 1 (0,0,0,0.5)**

Private instruction in Violin for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 243.

**MUSA 245 Voice III 1 (0,0,0,0.5)**

Private instruction in Voice for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for third semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 146.

**MUSA 246 Voice IV 1 (0,0,0,0.5)**

Private instruction in Voice for music majors. Students will study repertoire, scales, and technical etudes commensurate with standards established for fourth semester music majors. Required: performance on MUS 100 Recital Attendance and jury at the end of the semester.

Prerequisite: MUSA 245.

**Music – Performance****MUSE 101 Concert Choir 1 (1,2.5,0,0)**

Study and performance of representative choral music, sacred and secular, from the major musical types and historical movements. May be repeated for credit.



**MUSE 103 Chamber Chorale 1 (1,2.5,0,0)**

This ensemble will study and perform literature from the Renaissance time period as well as other chamber music compositions. May be repeated up to six times for credit.

**MUSE 111 Concert Band 1 (1,2.5,0,0)**

This instrumental ensemble will rehearse and perform music composed for the concert band and military band genres. Open to all advanced musicians with previous band experience. May be repeated up to ten times for credit.

**MUSE 121 Symphony Orchestra 1 (1,2.5,0,0)**

Rehearsal and performance of orchestral music of all periods. Required participation of scheduled performances. Audition required. May be repeated for credit.

**MUSE 131 Jazz Ensemble 1 (1,2.5,0,0)**

Performance ensemble will perform standard and new big band Jazz literature. Emphasis on sight-reading, improvisation, and ensemble playing. Consistent attendance and participation in public performances mandatory. May be repeated for credit.

Prerequisite: Admission by audition only. Limited to instrumentalists.

**MUSE 133 Jazz Combo 1 (1,2.5,0,0)**

Exploration and performance of small group jazz literature with improvisation. May be repeated for credit.

**MUSE 135 Jazz Vocal Ensemble 1 (1,2.5,0,0)**

Explores a variety of musical styles including pop, rock, and jazz by a lively performing group. May be repeated up to six times for credit.

**MUSE 141 Woodwind Ensemble 1 (1,2.5,0,0)**

Emphasis on woodwind literature from all periods. Open to college woodwind players, including saxophones, through audition or instructor approval. May be repeated six times for credit.

**MUSE 146 Brass Ensemble 1 (1,2.5,0,0)**

Emphasis on brass literature from all periods. Open to college brass players through audition or instructor approval. May be repeated six times for credit.

**MUSE 161 Percussion Ensemble 1 (1,2.5,0,0)**

A percussion ensemble performing musical repertoire varying from classical to jazz and pop selections. Audition required. May be repeated for credit.

**MUSE 165 Steel Drum Band 1 (1,2.5,0,0)**

A performance-based class intended to provide the student with a general knowledge in the art of playing steel drums and percussion instruments related to the steel drum band.

**MUSE 166 Mariachi Band 1 (1,2.5,0,0)**

This performance-based course provides students with knowledge of the Mariachi music art form, with emphasis on traditional and contemporary Mariachi literature including the Son, Ranchera, Huapango, and Bolero song styles. Prior experience is required. May be repeated up to six times for credit.

**Natural Resources and Environmental Science****NRES 210 Environmental Pollution 3(3,0,0,0)**

The introduction and study of pollution and the Federal and State environmental laws covering EPA, DOT, CAA, CWA, SDWA, CERCLA, RCRA, SARA, and OSHA regulations which apply to hazardous materials, substances, and hazardous wastes.

Prerequisite: ENV 101.

**Nursing****NURS 040 In-Facilities Nursing Assistant 3 (2,0,3,0)**

Integration of knowledge and skills which focuses on the role of the nursing assistant in caring for non-critical patients. Successful completion fulfills requirements for eligibility to write the Certified Nursing Assistant examination. This course is taught only in health care facilities. Registration must be through facility where course is taught.

**NURS 090 Tools for Nursing Success 1.5 (1.5,0,0,0)**

Course is a brief introduction to nursing math through all four semesters, and to nursing process and writing care plans. Course open to all that have had acceptance into the Nursing Program.

**NURS 101 Introduction to Professional Nursing Practice 6 (3,3,6,0)**

Introduction to the practice of professional nursing focusing on nursing concepts and skills while providing nursing care to promote adaptation of middle and elderly clients in a variety of settings.

Prerequisite: Admission to ADN program.

**NURS 115 Medical-Surgical Nursing I 6.5 (3.5,1.5,7.5,0)**

Focuses on the role of the professional nurse in supporting and promoting optimal adaptation of the adult medical-surgical client in acute care settings.

Prerequisite: NURS 101 and 125; and BIOL 224.

**NURS 125 Pharmacology for Nursing Practice 2 (2,0,0,0)**

Integrates basic pharmacology with nursing practice. Covers drug actions, side effects, interactions, pharmacokinetics, and dosage and calculations.

Prerequisite: Admission into the ADN program.



**NURS 130 Nursing Assistant 6 (3,3,6,0)**

Integration of knowledge and skills focusing on the role of the nursing assistant in caring for non-critical patients in skilled nursing facilities.

Prerequisite: A satisfactory score on the Accuplacer Reading Placement test; or a grade of C or higher in ENG 100 or 101 or 113.

**NURS 134B Nursing Assistant Instructor Development 1 (1,0,0,0)**

Required by Nevada State Board of Nursing, this course reviews State and Federal regulations, model curriculum, course content, and laboratory and clinical skills.

**NURS 205 Introduction to Associate Degree Nursing 4.5 (3,1.5,4,0)**

Facilitates transition from LPN to professional nursing role in promoting optimal adaptation of the adult client within the community and acute care settings.

Prerequisite: Admission to ADN program and LPN licensed in Nevada.

**NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice 3.5 (3.5,0,0,0)**

This course introduces the nursing student to basic management/leadership concepts as well as prepares the nursing student to assume and assimilate the role and the responsibilities of the professional nurse.

Prerequisite: NURS 247 and 248.

**NURS 211 Medical-Surgical Nursing II 4.5 (2.25,0.75,6,0)**

Focuses on the role of the professional nurse in supporting and promoting optimal adaptation of adult medical-surgical clients experiencing complex, multi-system dysfunction in acute critical and special care units and community settings.

Prerequisite: NURS 247 and 248.

**NURS 240B RN Refresher Course (Theory/Lab) 2.5 (2,1.5,0,0)**

Assists inactive professional nurses to update their knowledge and skills in order to renew their licensure. This is the first course of a two-course series.

**NURS 242B RN Refresher Course (Clinical) 2.5 (0,0,0,7.5)**

This is the second course of a two-course series designed to assist inactive professional nurses to update their knowledge and skills in order to renew their licensure. The student will be assigned to clinical practice under the supervision of an RN preceptor. Graded Pass/Fail.

Prerequisite: NURS 240B.

**NURS 243 Mental Health Nursing 3 (1.5,0,4.5,0)**

Focuses on the role of the professional nurse in supporting and promoting adaptive coping responses for clients and their families in mental health and other clinical settings. APs take NURS 125B and NURS 205 concurrently.

Prerequisite: NURS NURS 101 and 125B; and BIOL 224.

**NURS 247 Maternal-Newborn Nursing 3 (2,0,1,0)**

Focuses on the role of the professional nurse in supporting and promoting adaptation of the child-bearing family during antepartum, intrapartum and postpartum periods.

Prerequisite: NURS 115 or 205; and 243; and BIOL 251.

**NURS 248 Pediatric Nursing 3 (2,0,3,0)**

Focuses on the role of the professional nurse in supporting and promoting adaptive coping responses for pediatric clients and their families in a variety of settings.

Prerequisite: NURS 115 or 205; and 243; and BIOL 251.

**NURS 285 Selected Topics in Nursing 0.5-6 (0.5-6,0,0,0)**

Selected nursing topics offered for specific needs of nursing students or community nurses.

Prerequisite: Nursing Program Director approval.

**NURS 296 Nursing Management and Preceptorship 2.5 (0,0,7.5,0)**

With guidance of a nursing preceptorship, this clinical practicum focuses on role transition from student to professional graduate nurse in the nursing management of client care. Graded Pass/Fail.

Corequisite: NURS 208 and 211.

**Nutrition****NUTR 121 Human Nutrition 3 (3,0,0,0)**

Description of the nature and role of carbohydrates, lipids, proteins, water, vitamins and minerals in the human body. Energy relationships and various controversies in nutrition are examined, as well as relationships between nutrition, health and disease. (Same as BIOL 121.)

**Ophthalmic Technology****OPHT 102B Introduction to Contact Lenses 3 (3,0,0,0)**

Overview of instruments pertaining to the fitting of contact lenses; keratometer, biomicroscope, radioscope, diameter gauge, thickness gauge as well as others. Studies will emphasize the care and handling of rigid and soft contact lenses as well as their history.





**OPHT 105B Introduction to Contact Lens Lab 1 (0,3,0,0)**

Practical application of contact lens fitting procedures as presented in OPHT 102B. Topics include, but are not limited to: keratometry, slit-lamp evaluations, over-refractions, depth perception, color perception, strabismus assessment, and insertion and removal training.

Corequisite: OPHT 102B.

**OPHT 112B Anatomy and Physiology of the Eye and Related Structures 3 (3,0,0,0)**

Designed to give the student an insight into the anatomical structure of the eye and its adnexa. The student will learn the function of the parts of the eye as they relate to vision and the fitting of contact lenses. The student will be presented with common pathologies of the eye and ocular pharmacology.

**OPHT 115B Introduction to Ophthalmic Tech 3 (3,0,0,0)**

Introduction to the profession of ophthalmic technology, the roles and responsibilities of the ophthalmic technician and organizations involved in the profession with emphasis on medical/legal issues, ethics and medical economics.

**OPHT 121B Ophthalmic Optics I 5 (3,6,0,0)**

History and development and manufacture of ophthalmic materials, including current industry standards. Single vision and multifocal lenses including spherical, spherocylinder and prism lenses, as well as formulae used in lens design, construction and function. Current lens catalogs are used for information and data.

**OPHT 123B Ophthalmic Optics II 5 (3,6,0,0)**

Studies of multifocal lens design and construction, including bifocals, trifocals, double segment lenses, progressive and blended lenses. Lens tints, coatings, colors, filters, occupational and sport lenses will be discussed. Formulae pertinent to lens functions will be covered as well.

**OPHT 125B Ophthalmic Optics III 3 (3,0,0,0)**

Principles of basic and ophthalmic optics including optical principles of light, lenses and the human eye.

**OPHT 130B Ophthalmic Procedures I 3 (2,3,0,0)**

Principles and techniques of ophthalmic procedures including visual acuity measurement, lensometry, tonometry, depth perception, fusion, pupillary evaluation, history taking and color vision. Care, maintenance, calibration of instrumentation and inventory control are included.

**OPHT 155B Geometric Optics 3 (3,0,0,0)**

Principles of basic and advanced optics including optical principles of light lenses, prisms and mirrors. This is a course in optical physics.

**OPHT 160B Clinical Applications I 3 (0,0,12,0)**

Introductory clinical experience designed to apply skills acquired in previous course work. Experience designed to give the student an introduction to, and observation of, the ophthalmic office/hospital setting.

**OPHT 161B Ophthalmic Seminar 1 (1,0,0,0)**

Lecture/discussion of clinical issues and experiences with emphasis on case studies, role playing and problem solving techniques.

**OPHT 201B Ophthalmic Dispensing I 5 (3,8,0,0)**

Introduction to ophthalmic dispensing skills. Patient/client measurements, frame and lens material selection, prescription analysis and adjustment techniques will be covered. The student will develop basic lensometry skills using a manual lensometer. Students will learn and apply current ophthalmic A.N.S.I. standards. The student will learn the formulas and terminology pertinent to ophthalmic dispensing.

**OPHT 202B Contact Lenses I 3 (3,0,0,0)**

Continuation of OPHT 102B. Specialty lenses will be covered, including bifocals, torque, keratoconus as well as therapeutic lenses. Overview of all contact lens-related equipment. Students will also cover various over-refraction techniques.

**OPHT 203B Contact Lenses II 1 (0,3,0,0)**

Practical application of contact lens fitting procedures. Topics include modifications of contact lenses, over-refraction of contact lenses, corneal photography and problem solving techniques. Students will use case studies as well as each other to gain fitting experience.

**OPHT 220B Theory of Refractometry 3 (3,0,0,0)**

The course will cover pre-testing procedures. Identify various ophthalmic equipment and identify the procedures of the objective and subjective refraction.

**OPHT 223B Ophthalmic Dispensing II 5 (3,0,8,0)**

Continuation of clinical dispensing procedures, with emphasis on unusual and complex problems, including aphakia and various eye disorders.

**OPHT 228B Ocular Pharmacology and Diseases of the Eye 4 (4,0,0,0)**

Principles and concepts of pharmacology with emphasis on ocular pharmacology. Terminology, abbreviations, identification, delivery systems, actions and effects of commonly used drugs, as well as related legal issues of pharmacology are included. Pathological conditions of the eye are discussed including basic characteristics of common external, internal, and systemic diseases of the eye, ocular emergencies and management.





**OPHT 232B Opticianry Management Sales 3 (3,0,0,0)**

Presentation of basic principles of present day ophthalmic dispensing practices. Emphasis will be on patient communication, costs, both inventory and laboratory and computer skills, as well as general bookkeeping skills and associated dispensing practice procedures. Salesmanship and business ethics will be covered.

**OPHT 235B Ophthalmic Surgical Assistant 2 (2,0,0,0)**

Fundamentals and practice of microbial control, control of infection, prevention of contamination in the medical facility, safe handling of equipment and supplies, hand-washing technique, maintaining aseptic fields and assisting the physician in common office surgical procedures.

**OPHT 237B Ophthalmic Clinical Management 3 (3,0,0,0)**

Current diagnosis and treatment of ocular diseases and the technician's role in caring for pre- and post-operative patients. Basic and practical microbiology as it relates to the diagnosis, treatment and management of ocular diseases.

**OPHT 238B Ophthalmic Applied Diagnostic Studies 3 (3,0,0,0)**

Advanced diagnostic testing including ocular motility testing, potential acuity meter, ultrasonography, endothelial cell analysis, corneal topography, ophthalmic photography and electrophysiology.

**OPHT 250B Clinical Applications II 3 (0,0,12,0)**

Advanced clinical experience designed to apply skills acquired in previous course work. Emphasis is placed on contact lenses and surgical assisting,

**OPHT 251B Clinical Applications Seminar 1 (1,0,0,0)**

Discussion of clinical issues and experiences with emphasis on case studies, role playing and problem solving techniques.

**OPHT 260B Introduction to Low Vision 1 (1,0,0,0)**

Introduction to low vision dispensing skills for the optician. Topics include, but are not limited to: patient/client needs assessment, low vision aid/device selection, patient usage training, patient follow up visitations and resource services.

**OPHT 291B Clinical Applications III 3 (0,0,12,0)**

Clinical experience designed to apply skills acquired in previous course work. Experience designed to give the student an introduction to and observation of the ophthalmic dispensing office.

**OPHT 299B Certificate Review 2 (2,0,0,0)**

Review course for national and state competency examinations. This course may be taken up to three times: American Board of Opticianry Certification exam review, National Contact Lens Examiners certification review, and Nevada State Board of Dispensing Opticians exam review.

**Physical Education****PEX 126 Intermediate Soccer 1 (0,0,0,3)**

The Intermediate Soccer course is designed to teach and develop the skills required to compete in intercollegiate soccer.

Prerequisite: Instructor approval.

**PEX 129 Volleyball 1 (0,0,0,3)**

This is a beginning level volleyball course. It will introduce all of the fundamentals of play including passing, setting, serving, spiking, defense techniques, rules of play, and offensive strategies. This class is open to students of all levels of proficiency.

**PEX 129A Volleyball 1 (0,0,0,3)**

This course follows PEX 129. It is an intermediate/advanced level open volleyball course that reviews all of the fundamentals of volleyball through game play.

Prerequisite: PEX 129 or Instructor approval.

**PEX 180 Strength Training 1 (0,0,0,3)**

Introductory course that gives students a beginning knowledge of machine weights and free weights. Skeletal and muscle anatomy are introduced and the students are shown how they are affected by resistance and weight training. Provides introduction on how to stay healthy throughout one's life.

Prerequisite: Instructor approval.

**PEX 184 Conditioning, Intercollegiate Athletics 1 (0,0,0,3)**

Intermediate conditioning course designed to prepare students to participate in intercollegiate athletics.

Prerequisite: Instructor approval.

**PEX 186 Intercollegiate Baseball 1 (0,0,0,3)**

The Intercollegiate Baseball course is for first year students' competitive semester participating on the intercollegiate baseball team. The course is designed to teach and develop the skills required to compete in intercollegiate baseball.

Prerequisite: Instructor approval.

**PEX 193 Intercollegiate Soccer 1 (0,0,0,3)**

The Intercollegiate Soccer course is for first year students' competitive semester participating on the intercollegiate soccer team. The course is designed to teach and develop the skills required to compete in intercollegiate soccer.

Prerequisite: Instructor approval.

**PEX 194 Intercollegiate Softball 1 (0,0,0,3)**

The Intercollegiate Softball course is for first year students' competitive semester participating on the intercollegiate softball team. The course is designed to teach and develop the skills required to compete in intercollegiate softball.

Prerequisite: Instructor approval.



**PEX 198 Intercollegiate Volleyball 1-2 (0,0,0,3)**

The Intercollegiate Volleyball course is for first year students' competitive semester participating on the intercollegiate volleyball team. The course is designed to teach and develop the required skills to compete in intercollegiate volleyball.

Prerequisite: Instructor approval.

**PEX 214 Intermediate Softball 1 (0,0,0,3)**

The Intermediate Softball course is designed to teach and develop the skills required to compete in intercollegiate softball.

Prerequisite: Instructor approval.

**PEX 215 Intermediate Volleyball 1 (0,0,0,3)**

The Intermediate Volleyball course is designed to teach and develop the skills required to compete in intercollegiate volleyball.

Prerequisite: Instructor approval.

**PEX 216 Intermediate Baseball 1 (0,0,0,3)**

Baseball course designed to teach and develop the skills required to compete in intercollegiate baseball.

Prerequisite: Instructor approval.

**PEX 226 Advanced Soccer 1 (0,0,0,3)**

The Advanced Soccer course is designed to teach and develop advanced skills required to compete in intercollegiate soccer.

**PEX 230 Intermediate Intercollegiate Volleyball 1 (0,0,0,3)**

The Intermediate Intercollegiate Volleyball course is for second year students' competitive semester participating on the intercollegiate volleyball team. This course is designed to further develop the skills required to compete in intercollegiate volleyball.

Prerequisite: Instructor approval.

**PEX 234 Advanced Softball 1 (0,0,0,3)**

The Advanced Softball course is designed to teach and develop advanced skills, philosophies, and knowledge acquired in intercollegiate softball.

Prerequisite: Instructor approval.

**PEX 235 Advanced Volleyball 1 (0,0,0,3)**

The Advanced Volleyball course is designed to teach and develop advanced skills required to compete in intercollegiate volleyball.

Prerequisite: Instructor approval.

**PEX 246 Advanced Baseball 1 (0,0,0,3)**

An advanced baseball course designed to teach and develop advanced skills, philosophies and knowledge required to compete in intercollegiate baseball.

Prerequisite: Instructor approval.

**PEX 280 Advanced Strength Training 1 (0,0,0,3)**

This course gives students knowledge of advanced lifting techniques on weight machines and free weights. Students will learn how skeletal and muscle anatomy are affected by different lifting practices. Course provides constructive nutrition plans.

Prerequisite: Instructor approval.

**PEX 284 Intermediate Conditioning, Intercollegiate Athletics 1 (0,0,0,3)**

Advanced conditioning course designed to prepare students to participate in intercollegiate athletics

Prerequisite: Instructor approval.

**PEX 286 Intermediate Intercollegiate Baseball 1 (0,0,0,3)**

The Intermediate Intercollegiate Baseball course is for second year students' competitive semester participating on the intercollegiate baseball team. This course is designed to further develop the skills required to compete in intercollegiate baseball.

Prerequisite: Instructor approval.

**PEX 293 Intermediate Collegiate Soccer 1 (0,0,0,3)**

The Intermediate Intercollegiate Soccer course is for second year students' competitive semester participating on the intercollegiate soccer team. This course is designed to further develop the skills required to compete in intercollegiate soccer.

Prerequisite: Instructor approval.

**PEX 294 Intermediate Intercollegiate Softball 1 (0,0,0,3)**

The Intermediate Intercollegiate Softball course is for second year students' competitive semester participating on the intercollegiate softball team. This course is designed to further develop the skills required to compete in intercollegiate softball.

Prerequisite: Instructor approval.

## Pharmacy Technician

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**PHAR 100B Introduction to Pharmacy Practice 3 (3,0,0,0)**

To provide an overview of the pharmacy profession and the roles of the pharmacist and the pharmacy technician. Topics include profession evolution, pharmacy law and ethics, professional standards, pharmacy operations, professionalism, and employment.

Prerequisite: Admission to the Pharmacy Technician Program.

**PHAR 101B Pharmacy Techniques 4 (2,6,0,0)**

To provide an overview of pharmaceutical preparation and compounding techniques. Topics including dosage forms, facilities and equipment, aseptic technique, quality control, and record keeping.

Prerequisite: Admission to the Pharmacy Technician Program.



**PHAR 105B Pharmaceutical Math for Technicians 3 (3,0,0,0)**

A practical approach to pharmaceutical math calculations designed to provide students with the skills, training, and techniques necessary for successful comprehension and mastery of relevant pharmaceutical computations.

Prerequisite: Admission to the Pharmacy Technician Program.

**PHAR 110B Pharmacology I 3 (3,0,0,0)**

An overview of the pharmacokinetics between the body systems and particular classes of drugs. Introduces a framework of knowledge and principles about the classifications, purposes, side effects, cautions and interactions of medications.

Prerequisite: Admission to the Pharmacy Technician Program.

**PHAR 115B Pharmacology II 3 (3,0,0,0)**

This course is designed to provide an advanced study of the pharmacological framework. Topics include therapeutic utility, drug classifications, drug actions, side effects, contraindications, and interactions.

Prerequisite: PHAR 110B.

**PHAR 120B Pharmacy Microcomputers 2 (1,2,0,0)**

A computer-based laboratory course designed to introduce students to the fundamentals of computer and database applications unique to pharmacy practice settings.

Prerequisite: PHAR 101B.

**PHAR 126B Pharmacy Technician Practicum 7 (0,0,21,0)**

This course is designed to provide students with on-site supervised experiential training in a regional pharmacy. The focus of this training will be on the role and responsibilities of Pharmacy Technicians; to include professionalism, prescription processing, customer service, and pharmacy operations.

Prerequisite: PHAR 101B and 105B and 110B all with a grade of C or higher.

## Philosophy

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**PHIL 101 Introduction to Philosophy 3 (3,0,0,0)**

A study of philosophy as an interpretation of human experience and an examination of concepts and assumptions fundamental in human thought.

**PHIL 101H Introduction to Philosophy - Honors 3 (3,0,0,0)**

An Honors-level study of philosophy as an interpretation of human experience and an examination of concepts and assumptions fundamental in human thought. Honors emphasizes both interactive and independent learning entailing an in-depth examination of one's thinking on philosophical questions through use of the Socratic Method. Courses with "H" suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: Admission to the Honors program.

**PHIL 102 Critical Thinking and Reasoning 3 (3,0,0,0)**

Introduction to the analysis and evaluation of actual arguments, to the practice of constructing logically sound arguments, and to logic as the theory of argument. Emphasizes arguments of current or general interest.

**PHIL 102H Critical Thinking and Reasoning - Honors 3 (3,0,0,0)**

An honors level course in reasoning and argumentation through the analysis and evaluation of actual arguments, the construction of logically sound arguments, and an honors level understanding of the theory of reasoning and argumentation. Honors emphasizes both interactive and independent student mastery of critical thinking entailing a deeper analysis and evaluation of reasoning and arguments found in a wide range of print and electronic sources. Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements. This course can fulfill the Analytic Reasoning portion of the requirements.

Prerequisite: Admission to the Honors program.

**PHIL 114 Introduction to Symbolic Logic 3 (3,0,0,0)**

Introduces principles of correct reasoning, using modern symbolic techniques of the propositional calculus and simple quantification theory.

**PHIL 115 Philosophy of Death and Dying 3 (3,0,0,0)**

A philosophical study of concepts and theories surrounding death and dying. The course will examine different philosophical and/or cultural attitudes and beliefs concerning issues such as, but not limited to, preparation for death, fear of death, immortality, grief and commemoration of the dead.

**PHIL 119 Introduction to the Old Testament 3 (3,0,0,0)**

General survey of the books of the Old Testament from a non-denominational perspective. Covers the history, ideas and theological beliefs of Biblical Israel and deals with those themes in the light of archeological research and literary criticism.

**PHIL 124 Philosophical Traditions of Asia 3 (3,0,0,0)**

Study of the nature of self, mind, knowledge, truth, logic, and related themes characteristic of India, China, Japan, or any other Asian country.

**PHIL 129 Introduction to the New Testament 3 (3,0,0,0)**

This course surveys New Testament books from a nondenominational perspective. Literary criticism and historical background are considered.



**PHIL 131 Introduction to Metaphysics 3 (3,0,0,0)**

Selected problems concerning human nature and reality, e.g., mind and body, freedom and determinism, space and time, God, causality.

**PHIL 135 Introduction to Ethics 3 (3,0,0,0)**

A course designed to introduce students to the theory and practice of ethics. In the context of classical theories and modern moral problems, students will be encouraged to clarify their own ethical positions.

**PHIL 201 Philosophy Goes to the Movies 3 (3,0,0,0)**

Introduction to philosophical problems in ethics, politics, law, aesthetics, metaphysics, or knowledge through film and literary materials in addition to standard philosophical texts.

**PHIL 202 Introduction to Philosophy of the Arts 3 (3,0,0,0)**

Varieties of artistic representation and expression, the relationship of artworks to their embodiments, and the nature of interpretation and aesthetic response.

**PHIL 203 Survey of Existentialism 3 (3,0,0,0)**

A survey of the various influences and responses which led to existential thought. Readings from Kierkegaard, Sartre, Nietzsche and Buber will be emphasized.

**PHIL 205 Science and Religion 3 (3,0,0,0)**

Selected problems and episodes in the interaction between science and religion, such as the seventeenth century condemnation of Galileo, the eighteenth century controversy about natural religion, and the recent creation/evolution debate in the United States.

**PHIL 207 Social and Political Philosophy 3 (3,0,0,0)**

Major political philosophers, e.g., Plato, Aristotle, Machiavelli, Hobbes, Rousseau, Mill, and Marx, on topics such as justice, freedom, equality, tyranny, war, racism, sexism, power, consent, and economics.

**PHIL 210 World Religions 3 (3,0,0,0)**

A critical introduction to the nature of religion. The major moral and religious views of Hinduism, Buddhism, Taoism, Confucianism, Judaism, Christianity and Islam will be studied.

**PHIL 211 Introduction to Ancient Philosophy 3 (3,0,0,0)**

A broad survey of ancient philosophy from the pre-Socratics to the later Hellenistic schools, with emphasis on Plato, Aristotle, Neoplatonism and recurring themes.

**PHIL 215 Introduction to Philosophy of Religion 3 (3,0,0,0)**

An introductory philosophical examination of some claims and problems within the Western tradition including, but not limited to, the nature of God, arguments for the existence of God, the problem of evil, divine foreknowledge and human freedom, arguments for/against personal immortality, and faith/reason as alternative avenues to belief.

**PHIL 216 Philosophy of Human Nature 3 (3,0,0,0)**

This course explores a variety of traditions on what human nature is. We will study both Western and Eastern religious concepts, classical and modern philosophical theories, and scientific theories and models of human nature.

**PHIL 217 Introduction to the Study of Marxism 3 (3,0,0,0)**

Exploration of the fundamental concepts of the views of Karl Marx as well as other historical and contemporary Marxist thinkers.

**PHIL 244 Bioethics 3 (3,0,0,0)**

Treatments of such issues as abortion and euthanasia, cloning, genetic screening, just health care, patients' rights, the use of human and animal subjects in research.

**PHIL 245 Contemporary Moral Issues 3 (3,0,0,0)**

Introduction to ethics by way of such current issues as war and atrocity, the purpose of the university, racism, women's liberation, violence and aggression, the notions of happiness and success, or ethics of ecology.

**PHIL 246 Philosophy of Law 3 (3,0,0,0)**

Study of the meaning of law, particularly legal reasoning, positive and normative functions of law, and the nature of justice. Such legal theorists as Plato, Aquinas, Hobbes, Kant, Hegel, Hart, and Dworkin will be studied.

**PHIL 247 Philosophy and Women 3 (3,0,0,0)**

Variety of philosophical writings by or about women, from Plato to the present, focusing on such key concepts as nature, equality, dignity, freedom, love, and self-realization; may include feminist critiques of the Western philosophical tradition. (Same as WMST 247.)

**PHIL 249 Environmental Ethics 3 (3,0,0,0)**

Explores fundamental concepts of human moral obligations towards other living things and natural systems. Topics include the rights of animals and new candidates for an adequate environmental ethic.

**PHIL 295 Topical Issues in Philosophy 1-3 (1-3,0,0,0)**

The topic will vary; however, the intent is to develop awareness of, and appreciation for, certain philosophers and/or issues. May be repeated to six credits.





**PHIL 302 Intermediate Reasoning and Critical Thinking 3 (3,0,0,0)**

Designed to extend the theory and practice of reasoned argument by the analysis, evaluation, reconstruction, and construction of extended examples drawn from such fields as philosophy, literature, religion, natural and social sciences, the arts, or contemporary affairs.

Prerequisite: Admission to any Bachelor of Science, Bachelor of Applied Science, Bachelor of Arts degree program or Instructor approval.

**PHIL 311 Professional Ethics 3 (3,0,0,0)**

A study of the nature of ethical thinking and its application to judgments about actions of people that make up society. Topics to be considered include ethical relativism, moral virtues and vices, foundations of morality, alternative theoretical perspectives on moral judgment egoism, altruism, and legal and regulatory perspectives related to ethics in business.

Prerequisite: Admission to any Bachelor of Science, Bachelor of Applied Science, Bachelor of Arts degree program or Instructor approval.

## Photography

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**PHO 101B Beginning Photography 3 (2,2,0,0)**

Fundamental techniques and use of photographic equipment using digital capture. Includes history of photography, its language and major styles, camera handling, exposure, basic image adjustments using digital software, image printing and presentation. Special emphasis on Digital Asset Management.

**PHO 102B Digital Photographic Imaging I 3 (2,2,0,0)**

Introduction to basic digital image manipulation via layers, layer masks, color correction, and retouching. Scans of film and prints along with digital captures will be used. Students must be familiar with computer navigation, and saving files to portable hard drives and various disks. Students are encouraged to take this class simultaneously with PHO 101B.

**PHO 103B Introduction to Lighting 3 (2,2,0,0)**

Introduces students to basic photographic lighting principles covering the use of quartz-halogen lights, on-camera flash, and studio strobes for product and portrait photographs. A critical approach to imagery will be emphasized.

Prerequisite: PHO 101B.

**PHO 106B The Art of Visual Persuasion 3 (2,2,0,0)**

This course offers practical analysis of persuasive imagery as it is used to advertise products. Students will produce effective visual campaigns drawing on compositional and psychological techniques to evoke intended responses from targeted viewers. Through the study of both contemporary and historical ads, students will determine what makes them so powerful and will adapt those principles to create fictional advertisements for a wide range of markets.

Prerequisite: PHO 101B and 102B.

**PHO 107B Psychology of Photography 3 (2,2,0,0)**

Explores photography and visual media from a psychological perspective. Examines photography through analysis of perception, personality, self-image, and emotional awareness and expression. This introductory class has been designed as an interdisciplinary approach to photography and psychology, and will benefit those with experience in either area. Basic photographic skills will be used in practical exercises/assignments. A limited number of cameras will be available for checkout.

Prerequisite: PHO 101B.

**PHO 109B Adobe Photoshop Lightroom Bootcamp 1 (0.5,2,0,0)**

This 5-session tutorial class is for the beginning student who wishes to learn the essentials of this photo editing software program. It is highly recommended students take this course that are enrolled in or plan to take PHO 101B. Students need to have their own camera card reader, access to a camera that is capable of capturing photos in RAW format and be familiar with computers. Basic computer and photography knowledge is recommended.

**PHO 112B Digital Photographic Imaging II 3 (2,2,0,0)**

In this course students will extensively test the capabilities of their digital cameras. Current trends, techniques, workflows, and equipment in digital photography will be studied. Printing to specialty inkjet papers and mastering output to commercial photo labs will be covered.

Prerequisite: PHO 102B; or GRC 183B; or Instructor approval.

**PHO 116B Introduction to Photojournalism 3 (2,2,0,0)**

The practical application of academic principles and technical skills of photojournalism. Emphasis on ethical considerations and journalistic real world experiences and assignments.

Prerequisite: PHO 103B.

**PHO 120B Experimental Lighting 3 (2,2,0,0)**

The exploration of still life and portrait photography using alternative lighting techniques and styles, ranging from candlelight to enhance refractive modifiers, and dramatic variations of painting with light in the studio and on location.

Prerequisite: PHO 103B or Instructor approval.



**PHO 125B Photographic Composition and Design 2 (1,2,0,0)**

Compositional and design elements specific to photographic processes. Academic principles related to technical, commercial, and creative composition with practical application.

**PHO 128B Night Photography I 3 (2,2,0,0)**

This course will explore the art of creating dramatic nighttime images, including star trails, moonlit landscapes, nightlife, and neon signage. Creative, commercial, scenic and basic astrophotographic applications will be covered.

Prerequisite: PHO 101B.

**PHO 131B Splash! 3 (2,2,0,0)**

In this course students will learn studio and natural lighting techniques while exploring the physical energetic dynamics and creative possibilities of photographing liquid splashes, spills, pours, sprays, and droplets. Emphasis is on constructing simple studio and location sets to achieve semi-repeatable visual styles and creative results.

Prerequisite: PHO 103B.

**PHO 136B Las Vegas Document 3 (2,2,0,0)**

In this class the student will explore Las Vegas through the lens of the camera. The student will go on weekly group shoots to iconic locations around Las Vegas. The student will create, maintain and update their own personal blog and contribute to the class blog as well as Social Media outlets over the semester.

**PHO 138B Prime Document 3 (2,2,0,0)**

In this class, the student will photograph with one body and one prime lens (fixed focal length lens, no zooms) for an entire semester. The student will explore Las Vegas with weekly shoots, focusing on people, cityscapes, and the juxtaposition of life. Work will be shared using current online trends such as blogging, Tumblr and Flickr.

**PHO 141B Introduction to Forensic Photography 4 (2,4,0,0)**

Introduction into practical control of crime scenes and their documentation photographically as evidence. Emphasis on the admissibility of photography into the chain of evidence.

Prerequisite: PHO 101B.

**PHO 154B Digital Photography for the Novice I 3 (2,2,0,0)**

This course is an introduction to the mechanics and use of traditional photographic language applied to the digital format. It will cover digital image capture, image downloading to computer, downsizing images, emailing, and posting them to the web. This class is a very BASIC class meant for people new to digital technology.

**PHO 155B Digital Photography for the Novice II 3 (2,2,0,0)**

This course is an intermediate course designed to manipulate and fine tune pictures through Photoshop.

Prerequisite: PHO 154B.

**PHO 156B Digital Photography for the Creative Mind I 3 (2,2,0,0)**

This course is an introduction to the mechanics and use of digital technology to create and/or manipulate images into more artistic pieces. This class is very basic and meant for students new to digital technology. This course provides a fun learning experience that allows the student to experiment and use their imagination.

**PHO 158B Photoshop for the Creative Mind 4 (2,4,0,0)**

The main goal of this course is to leverage Photoshop as a tool for creating unprecedented uniquely enhanced photographic artwork specific to the student's personal creative style and expression. The course will cover creative methods, functions, and tools of Photoshop for ground-breaking results.

**PHO 160B Digital Photography for the Creative Mind II 4 (2,4,0,0)**

This course is an advanced exploration into the mechanics and use of digital technology to create fine art pieces. In this class, the student will enjoy creative license and full use of her/his imagination. This class is an advanced class for those students already familiar with traditional and digital photography, as well as digital technology, i.e., hardware and software.

**PHO 165B Photographic Presentations 3 (2,2,0,0)**

Introduction to commercial presentation of photographic art. Emphasis is placed on current trends, web to traditional outlets, framing, matting, and placement of photographic art for salability from the commercial to the fine art worlds.

**PHO 166B History of Photography 3 (3,0,0,0)**

Development of photography as an aesthetic medium from its invention to the present time in America and Europe.

**PHO 178B Wedding Photography 3 (2,2,0,0)**

This course focuses on essential techniques for composing and photographing weddings in various settings. Digital workflow and customary business practices will also be addressed. An emphasis on effective human relations in all aspects of client service will enhance the chances for student success in this challenging field.

Prerequisite: PHO 103B.

**PHO 180B Creative Photography I 3 (2,2,0,0)**

A practical, analytical, and critical approach to creative color and black and white photography. Emphasis on creative image exposure and creative digital darkroom processes.

Prerequisite: PHO 103B.





**PHO 181B Creative Photography II 3 (2,2,0,0)**

This course deals with creating unusual and non-traditional photographic images through the use of toy cameras, darkroom manipulation, and theme interpretation.

Prerequisite: PHO 180.

**PHO 182B Alternative Photographic Processes 3 (2,2,0,0)**

Introduction into non-traditional and historical photographic processes. Emphasis is placed primarily on non-silver techniques, processes, and large format Polaroid image and emulsion transfers.

Prerequisite: PHO 103B.

**PHO 183B Sports and Entertainment Photography 3 (2,2,0,0)**

Learn the basics of this exciting specialty area including boxing matches, concerts, shows, clubs, and celebrities. This course will feature several location shoots at major venues in Las Vegas.

Prerequisite: PHO 103B.

**PHO 186B Photographing the Heritage of the West 3 (2,2,0,0)**

A field course with classroom critiques focusing on locating, interpreting and effectively photographing natural and cultural resources found in the Southwestern United States. Film, digital, or hybrid approaches can be used to shoot various stock and magazine type assignments.

Prerequisite: PHO 101B.

**PHO 188B Nature Photography 4 (2,4,0,0)**

The study of nature photography with an emphasis on biological and geological studies and specimens. All film formats are applied to field photography studies. Field trips are scheduled with participation required.

Prerequisite: PHO 101B.

**PHO 189B Contemporary Scenic Photography 3 (2,2,0,0)**

Instruction in the creation of visionary scenic images. This course focuses on cutting-edge techniques used in scenic photography (including HDR and panoramic imaging) and offers insightful examination of methods for producing work that expresses the beauty of the real world we experience. There will be optional weekend field trips offered.

Prerequisite: PHO 101B.

**PHO 190B Landscape Photography 3 (2,2,0,0)**

Learn to work in the style of the master landscape photographers. Heavy emphasis on Zone System work. There will be several weekend field trips into the southwest region where students will have the opportunity to create fine art quality prints for exhibition.

Prerequisite: PHO 101B.

**PHO 195 Photographic Lighting 4 (2,4,0,0)**

Introduction to control and modification of natural light and studio applications of quartz and electronic flash lighting equipment. Commercial/illustration, portrait, and photojournalistic applications stressed.

Prerequisite: PHO 103B.

**PHO 200 Color Photography I 3 (2,2,0,0)**

This course covers color in the digital world, from capture to print; from psychology to calibration. Students will learn to use color and produce accurate exhibition quality prints.

Prerequisite: PHO 103B.

**PHO 203B Photo Bookmaking Process 3 (2,2,0,0)**

For many artists, the handmade book occupies a spot near the top of the food chain of creative self-expression. In this course, photographers will learn how to create a photographic book that best reflects your imagery for both self-promotion and commercial applications.

Prerequisite: PHO 101B.

**PHO 206B Nature Photography 3 (2,1,0,0)**

The study of nature photography with an emphasis on biological and geological studies and specimens. Learn close up techniques, panorama, HDR, and wildlife photography. There will also be a gallery exhibition. Field trips are scheduled with participation required.

Prerequisite: PHO 103B.

**PHO 208B Large Format Photography I 3 (2,2,0,0)**

Introduction to large format camera and how it is used in a commercial environment with an emphasis on in-camera focus and perspective corrections. Students will be provided with large format view cameras to use in the studio and on location.

Prerequisite: PHO 195.

**PHO 209B Large Format Photography II 3 (2,2,0,0)**

Advanced techniques in the use of view cameras. Includes both field and studio applications and extends the introductory course to new creative directions.

Prerequisite: PHO 208B.

**PHO 210B Architectural Photography 3 (2,2,0,0)**

Learn the art of creating exciting images of both exteriors and interiors.

Prerequisite: PHO 195.

**PHO 211B Editorial Photography 3 (2,2,0,0)**

Students will be introduced to editorial photography with an emphasis on illustrating story ideas. Interpretation of assignments and location portrait lighting will be covered. Students will be given a variety of assignments taken from actual editorial photographers.

Prerequisite: PHO 103B.



**PHO 212B Food Photography and Styling I 4 (2,4,0,0)**

This course is designed to introduce students to the fundamentals of prepping and photographing food for various layouts.

Prerequisite: PHO 195.

**PHO 225 Photographic Commercial/Illustration I 3 (2,2,0,0)**

Students will assume the role of a commercial photographer and complete weekly assignments from wide variety of subjects. Topics covered will include subject setup and lighting for food, automotive and architectural interior photography among others.

Prerequisite: PHO 195.

**PHO 228B Motion Bootcamp 1 (2,2,0,0)**

This 5-session bootcamp covers the introductory essentials of accessing and utilizing Motion (part of Apple's Final Cut Studio package of programs). Not for the beginner, student must be skilled in Final Cut Pro.

Prerequisite: VID 115B.

**PHO 231B Video for Photographers 3 (2,1,0,0)**

This basic course teaches still photographers to use the video/motion features of their camera, properly set up the camera for video recording, download the footage into video editing software, and create short videos. Students learn basic film grammar and techniques for recording sound, lighting, and recording. Students enrolling in this course need to have access to their own camera that records HD video.

Prerequisite: PHO 101B and 102B.

**PHO 233B Digital Portrait Enhancement 3 (2,2,0,0)**

This course will cover cosmetic retouching, glamour enhancement, retouching with large group photographs, digital body reshaping, and digital lighting enhancement.

Prerequisite: PHO 102B; or GRC 183B; or Instructor approval.

**PHO 235 Photographic Portraiture I 4 (2,4,0,0)**

Explores photographing people in a variety of environments. Students will study, practice, and produce portrait techniques of individuals, couples, and various other groupings. Special emphasis will be placed on creating professional caliber images suitable for portrait studio sales. All images created will be printed and mounted according to portrait industry standards.

Prerequisite: PHO 195.

**PHO 237B Photographic Portraiture II 3 (2,2,0,0)**

This course expands on the knowledge of portraiture by creating new ways of seeing and photographing people. Current trends and styles of portrait photography will be covered.

Prerequisite: PHO 235.

**PHO 238B High School Senior Portraits 3 (2,2,0,0)**

This course is an introduction to Senior Portrait Photography. It will cover branding, style, trends, location scouting, posing, pricing, marketing, and social media.

Prerequisite: PHO 103B.

**PHO 239B Hollywood Glamour 3 (2,2,0,0)**

Study of the photographic techniques used by glamour photographers of the 1930s-1940s, including C. S. Bull and George Hurrell. Students will work with hot lights and learn Photoshop retouching methods in order to emulate the work of icon Hollywood photographers.

Prerequisite: PHO 195.

**PHO 241B Forensic Photography II 4 (2,4,0,0)**

Advanced level photo techniques to document crime scenes and prepare court quality presentations. Multiple flash night photography, biological evidence photo enhancement, alternate light sources, and more.

Prerequisite: PHO 141B.

**PHO 247B Fashion Photography 3 (2,2,0,0)**

This course is designed as an introductory course of the fundamentals of fashion photography for editorial and advertising purposes. It will encompass black and white and color negative, and transparency films. Studio and location lighting emphasized.

Prerequisite: PHO 195.

**PHO 251B Digital Photographic Imaging III 3 (2,2,0,0)**

In this course students will explore the newest trends and techniques in the fields of commercial and fine art photography, including advanced selection techniques and master printing philosophies. You will be exploring content, sequencing and presentation of your digital work.

Prerequisite: PHO 112B or Instructor approval.

**PHO 254B Big Digital 3 (2,2,0,0)**

This course will use medium format digital backs, Pro DSLRs and professional scanners to produce large digital files. Using these files, we will print to professional wide format printers.

Prerequisite: PHO 112B or Instructor approval.

**PHO 260B Photographic Business Practices 3 (3,0,0,0)**

Fundamental photographic business organization, funding and management, to include equipment, personnel, and advertising needs.

Prerequisite: PHO 195.



**PHO 262B Photographic Makeup 3 (2,2,0,0)**

This course provides instruction in basic elements of makeup for portraiture, glamour, fashion, wedding, and commercial photography using time tested methods and techniques in a creative hands-on environment.

Prerequisite: PHO 101B.

**PHO 265B Photographic Equipment and Set Construction 3 (2,2,0,0)**

Construction of basic photographic studio backgrounds, diffusion systems, props and equipment support systems. Simplified photographic set construction.

**PHO 270B Product Photography 3 (2,2,0,0)**

In this course students will learn advanced studio product lighting techniques, production, and professional digital workflow methods. Emphasis is on analyzing, refining, and perfecting commercial photograph lighting skills current in today's industry.

Prerequisite PHO 195.

**PHO 274B Night Photography II 3 (2,2,0,0)**

This course is an exploration of advanced photographic techniques used in low-light conditions with emphasis on digital techniques such as High Dynamic Range imaging, time-lapse photography, and image stacking techniques.

Prerequisite: PHO 128B.

**PHO 278 Art and Photography in 20th Century Mexico 3 (3,0,0,0)**

This course examines the contributions made by Mexican artists and photographers to twentieth century visual culture. The focus is on the "Mexican Renaissance" of the 1920s and 1930s: in particular, the revival of the fresco tradition and the effect it had on artistic production. Other topics include: the print tradition, easel painting, and the development of Mexican photography. (Same as ART 278.)

**PHO 279B Wedding Photography II 3 (2,2,0,0)**

Covers advanced lighting techniques for wedding photography emphasizing the creative use of off-camera strobes. Imaginative thematic content and contemporary techniques for posed and candid shots will be discussed. Engagement portraiture, image retouching, and effective methods for the presentation of the final images will be included. Digital asset management and marketing strategies will be addressed in-depth.

Prerequisite: PHO 178B.

**PHO 281B The Figure: Classic and Contemporary Images 4 (2,4,0,0)**

A self-driven course for advanced photo students that focuses on the study of the human form. Students will synthesize the unique styles of fine and photographic art to produce their own body of work, reflecting a personal vision and integrating the knowledge of the Old Masters as well as contemporary iconic photographers. The class includes modern perspectives such as Pin-Up and Commercial Advertising styles.

Prerequisite: PHO 235 and Instructor approval.

**PHO 285 Photographic Internship 3 (0,0,0,30)**

Student placement at a commercial photography job location. On-the-job experience performing work projects reflecting industry employee assignments. Academic credit earned, with or without wages. Enrollment by Instructor approval only.

**PHO 289B Special Topics for Photography 1-3 (0,3-9,0,0)**

Special topics related to photography. Topics will vary depending on student and industry demand. This course may be repeated up to a maximum of nine credits.

Prerequisite: Instructor approval.

**PHO 295B Portfolio 2 (2,0,0,0)**

In this course, the student works with the instructor guiding the student in the selection, editing, and execution of a portfolio of images for the student to use in a print, online, and other portfolio formats.

Prerequisite: PHO 225 and 235 and 260B.

## Physics

**PHYS 110 Conceptual Physics 4 (4,0,0,0)**

Introduction to fundamental concepts and principles of physics. Intended primarily for non-science majors. Integration of lecture and lab designed to satisfy the lab science general education requirement.

**PHYS 151 General Physics I 4 (3,3,0,0)**

General physics primarily for students in Arts and Science, medicine and agriculture. Includes study of mechanics, sound, and heat. A knowledge of right angle trigonometry is desired.

Prerequisite: C or higher in MATH 127 or 128 or 181.

**PHYS 152 General Physics II 4 (3,3,0,0)**

Continuation of PHYS 151. Covers optics, electromagnetism and some aspects of modern physics.

Prerequisite: PHYS 151.

**PHYS 180 Physics for Scientists and Engineers I 3 (3,0,0,0)**

Lecture in Newtonian mechanics. Covers rectilinear motion, particle dynamics, work and energy, momentum and collision, rotational mechanics, oscillations, wave motion, and gravitation. Note: Students should have successfully completed MATH 181 before taking this course.

Corequisite: PHYS 180L.

**PHYS 180L Physics for Scientists and Engineers Lab I 1 (0,3,0,0)**

Laboratory exercises in Newtonian mechanics. Covers rectilinear motion, particle dynamics, work and energy, momentum and collision, rotational mechanics, oscillations, wave motion, and gravitation. Note: Students should also be enrolled in PHYS 180 while taking this lab course.

Prerequisite: MATH 181 with a grade of C or higher.



**PHYS 181    Physics for Scientists and Engineers II                    3 (3,0,0,0)**

Lecture in electromagnetism, Coulomb's law, electric and magnetic fields, Gauss' law, potential, capacitance, current and resistance, electromotive force, inductance, motion of charged particles, introduction to Maxwell's equations and electromagnetic waves.

Corequisite: PHYS 181L.

**PHYS 181L    Physics for Scientists and Engineers Lab II                    1 (0,3,0,0)**

Laboratory exercises in electromagnetism. Covers Coulomb's law, electric and magnetic fields, Gauss' law, potential, capacitance, current and resistance, electromotive force, inductance, motion of charged particles, introduction to Maxwell's equations and electromagnetic waves.

Prerequisite: MATH 182 and PHYS 180 and 180L all with a grade of C or higher.

**PHYS 182    Physics for Scientists and Engineers III                    3 (3,0,0,0)**

Lecture in fluid mechanics, thermodynamics and optics. Covers sound, temperature and thermometry, heat, gases, intermolecular forces, kinetic theory, entropy, nature of light, geometrical optics, physical optics including diffraction and interference, introduction of modern developments.

Corequisite: PHYS 182L.

**PHYS 182L    Physics for Scientists and Engineers Lab III                    1 (0,3,0,0)**

Laboratory exercises in fluid mechanics, thermodynamics and optics. Covers sound, temperature and thermometry, heat, gases, intermolecular forces, kinetic theory, entropy, nature of light, geometrical optics, physical optics including diffraction and interference, introduction of modern developments.

Prerequisite: MATH 182 and PHYS 180 and 180L all with a grade of C or higher.

### Practical Nursing

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**PN 100L    Practical Nursing Learning Lab                    1 (0,3,0,0)**

A lab to promote student nurse success by applying study skills, time management, critical thinking, and organizational skills to current course load in a collaborative and caring environment.

Prerequisite: Admission to the PN program.

**PN 103B    Gerontological Health Care    2 (2,0,0,0)**

Designed to discuss the holistic aspects of aging and the increasing health needs of the older adult.

**PN 104B    Practical Nursing Fundamentals                    5 (3,3,3,0)**

Introduction into the role of the Licensed Practical Nurse, basic nursing concepts, the nursing process, legal and ethical responsibilities and communication. Applies basic nursing skills, mental health concepts, medication administration skills, calculation skills and legal and ethical responsibilities of the practical nurse in the care of the client with stable health care needs. Develops intravenous therapy skills. Clinical experience in long-term or sub-acute care setting.

Prerequisite: Acceptance into the Practical Nursing program.

**PN 105B    Practical Nursing I                    5 (3,3,3,0)**

Applies nursing skills, nursing process, therapeutic communication, mental health concepts, medication administration, calculation skills, and legal and ethical responsibilities of the Licensed Practical Nurse in the care of adults and older adults in the long-term care setting.

Prerequisite: Acceptance into the Practical Nursing program.

**PN 106B    Family Nursing                    3 (2,1.5,1.5,0)**

Emphasizes normal growth and development and prevention, promotion, and maintenance of health while providing family health care. Focus on child bearing, the neonate, infant and children through the growth years.

**PN 107B    Adult Health Nursing I    4.5 (2.5,3,3,0)**

Applies nursing skills, nursing process, therapeutic communication, mental health concepts, medication administration, calculation skills, and legal and ethical responsibilities of the practical nurse in the care of adults and older adults in the long-term care setting.

**PN 108B    Practical Nursing II                    4 (2,0,6,0)**

Applies nursing skills, nursing process, therapeutic communication, mental health concepts, medication administration, calculation skills, and legal and ethical responsibilities of the practical nurse in the care of adults and older adults in acute and ambulatory care settings.

**PN 109B    Adult Health Nursing II    4.5 (2.5,3,3,0)**

Applies nursing skills, nursing process, therapeutic communication, mental health concepts, medication administration, calculation skills, and legal and ethical responsibilities of the practical nurse in the care of adults and older adults in acute and ambulatory care settings.

**PN 110B    Practical Nursing Seminar/ Management Concepts                    4 (2,0,6,0)**

Emphasizes management concepts for the Licensed Practical Nurse, career opportunities and responsibilities as well as NCLEX-PN preparation. The clinical component includes a preceptorship.





**PN 111B Practical Nursing Leadership/Management 3 (3,0,0,0)**

The course emphasizes roles and responsibilities of the LPN in Nevada, transition from Military Medic/Corpsman to LPN, career opportunities, leadership and management concepts, and NCLEX-PN preparation.

**PN 125B Pharmacology for Practical Nursing Practice Part I 2 (2,0,0,0)**

This course, which is Part 1 of a 2 part course, provides a foundation and integrates basic pharmacology with nursing practice when caring for adult patients with chronic health care needs. Legal and ethical issues, nursing responsibilities in relation to medication administration, and dosage calculations will be discussed.

**PN 126B Pharmacology for Practical Nursing Practice Part II 1 (1,0,0,0)**

This course, which is Part 2 of a 2 part course, integrates pharmacology with nursing practice as it pertains to the patients with acute health care needs, pediatric patients, and maternal/obstetrics patients. Legal and ethical issues, nursing responsibilities in relation to medication administration, and dosage calculations will be discussed.

Prerequisite: PN 125B.

**PN 240B LPN Refresher 2.5 (2,1,5,0,0)**

Assists inactive practical nurses to update their knowledge and skills in order to renew their license. This is the first course of a two-course series and must be successfully completed prior to beginning the precepted clinical course. Students are expected to complete both courses within three semesters.

**PN 242B LPN Refresher (Clinical) 2.5 (0,0,0,7,5)**

This course is the second course of a two-course series designed to assist inactive practical nurses to update their knowledge and skills in order to renew their license. The student will be assigned to clinical practice under the supervision of an RN or LPN preceptor. Students are expected to complete this portion within 12 months of completing the theory.

Prerequisite: PN 240B

**Portuguese****PORT 101B Basics of Portuguese I 3 (3,0,0,0)**

A course emphasizing spoken communication. Speaking, oral listening, reading and writing skills explored. A vocabulary of Portuguese-English words developed.

**PORT 111 First Year Portuguese I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing. Emphasis is placed on communication in all four language skills.

**PORT 112 First Year Portuguese II 4 (4,0,0,0)**

A course emphasizing the further development of Portuguese language skills in listening, speaking, reading and writing. Emphasis is placed on more sophisticated communication in all four language acquisition skills. Portuguese speaking culture(s) are also emphasized.

Prerequisite: PORT 111.

**PORT 211 Second Year Portuguese I 3 (3,0,0,0)**

A continuation of PORT 111 and PORT 112. This course emphasizes the development of Portuguese language skills in listening, speaking, reading, writing and Portuguese-speaking cultures.

Prerequisite: PORT 112.

**PORT 212 Second Year Portuguese II 3 (3,0,0,0)**

A continuation of PORT 111, PORT 112, and PORT 211. This course emphasizes the continuing development of Portuguese language skills in listening, speaking, reading, writing and Portuguese-speaking cultures.

Prerequisite: PORT 211.

**Political Science****PSC 100 Nevada Constitution 1-3 (1-3,0,0,0)**

This course represents a survey of Nevada politics and its constitution. It explores the structure of state government, the rights and liberties outlined in the state's constitution, and basic culture and politics. This course satisfies the Nevada Constitution requirement and is designed for out-of-state transfer students that have satisfied the U.S. Constitution requirement but need to fulfill the Nevada Constitution requirement.

Prerequisite: Department Chair approval.

**PSC 101 Introduction to American Politics 4 (4,0,0,0)**

A survey of the United States, national, state and local governments with emphasis on the cultural aspects of the governing process. (Satisfies the legislative requirement for the United States and Nevada Constitutions.)

Prerequisite: Earn a C or better in either ENG 100 or ENG 101 or ENG 107 or ENG 113.

**PSC 200 Survey of Political Theory 3 (3,0,0,0)**

Survey of political theory from Plato to the present. Among the thinkers whose works will be explored are Aristotle, St. Thomas Aquinas, Machiavelli, Hobbes, Locke, Rousseau, and Marx.

**PSC 201 Politics of Minority Groups 3 (3,0,0,0)**

An analysis of the historical and contemporary process of minority politics in the United States.



**PSC 205 Latino Politics and Society 3 (3,0,0,0)**

This course will focus on the social, economic, and political evolution of the Latino community in the United States.

**PSC 208 Survey of State and Local Government 3 (3,0,0,0)**

Organization, working principles, functional processes of state and local governments in the United States. (Satisfies the legislative requirement of the Nevada Constitution.)

**PSC 210 American Public Policy 3 (3,0,0,0)**

Analysis of the interplay of forces involved in policy-making at all levels of American government. Assessment of the impact of policy on individuals and institutions.

Prerequisite: PSC 101.

**PSC 211 Introduction to Comparative Politics 3 (3,0,0,0)**

Analysis of similarities and differences in the governing processes of developed and developing societies.

Prerequisite: PSC 101.

**PSC 222 Terrorism and Political Violence 3 (3,0,0,0)**

This interdisciplinary course focuses on the motivation for terrorism and political violence. It addresses the question, "What makes an otherwise ordinary person deliberately attack unarmed civilians who have personally done the perpetrator no wrong and is in no position to redress the perpetrator's grievances?"

(Same as GLO 222).

**PSC 231 Introduction to International Relations 3 (3,0,0,0)**

An introduction to and explanation of modern and contemporary international relations, foreign policies and economic and social conditions in an interrelated world.

**PSC 246 Politics of Developing Nations 3 (3,0,0,0)**

A survey of the politics, ideologies, political structures, processes, and important issues and problems in developing nations, with specific examples drawn from selected countries and regions. Students will consider the arguable meanings of "development" and "globalization."

**PSC 247 Organized Crime and Political Corruption 3 (3,0,0,0)**

Students will review relationships among organized crime groupings and local, state, and national governments with particular attention to twenty first century America and other selected nations.

**PSC 251 Introduction to Campaign Management 3 (3,0,0,0)**

Students will be exposed to a broad spectrum of subjects related to the management of political campaigns, with the intent of understanding various factors that must be considered and integrated into almost every political campaign.

**PSC 252 Elements of Political Communication 3 (3,0,0,0)**

Students will be introduced to the theoretical models and practical aspects of communications in the political world with an emphasis on strategies and tactics employed by campaign professionals.

**PSC 253 Online Campaign Strategies 3 (3,0,0,0)**

Introduction to internet-based campaign strategies with a focus on developing and managing a web-based campaign for election or other advocacy oriented activities.

**PSC 257 Political Parties and Interest Groups 3 (3,0,0,0)**

This course examines the history, purpose, organization, and strategies of the major and minor American political parties, and also examines the purpose of interest groups and their impact on the policy-making process.

**PSC 259 Lobbying and Issue Advocacy 3 (3,0,0,0)**

An examination of the profession and tactics of lobbying and issue advocacy including the processes, laws, and traditions surrounding the industry.

**PSC 260 Grassroots Politics 3 (3,0,0,0)**

This course examines the various aspects of grassroots politics in the context of political campaigns, the hurdles and barriers that exist, as well as nature of grassroots organizations and the various means to engage, activate, and focus them in the pursuit of specific goals or objectives.

**PSC 261 Introduction to Survey Research and Demographics 3 (3,0,0,0)**

An introduction to development, deployment, and interpretation of survey research and other statistical and analytical tools and methodologies in the current political environment.

**PSC 295 Special Topics in Political Science 1-3 (1-3,0,0,0)**

Exploration of an issue of current interest. Topics may include: the formulation and implementation of National Security Policy, international organization and law, structure and function of U.S. intelligence agencies, or revolution and reaction in Latin America. May be repeated with Department Chair approval up to a total of six credits.





**PSC 297 Capstone in Political Science 2 (2,0,0,0)**

This course provides a capstone experience in the field of political science, and provides preparation for both academic and non-academic careers in political science.

Prerequisite: Department approval.

**PSC 299 Government Internship 3 (0,0,0,9)**

Students receive practical experience in both the public and private sector through political internship opportunities, including campaigns and/or governmental agencies.

## Psychology

**PSY 101 General Psychology 3 (3,0,0,0)**

Introduction to the principles of psychology, including sensation, perception, cognition, learning, physiological psychology, personality, development, psychopathology, social psychology, methodology, assessment, and history of psychology.

**PSY 101H General Psychology - Honors 3 (3,0,0,0)**

An in-depth introduction to the principles of psychology including sensation, perception, cognition, learning, physiological psychology, personality, development, psychopathology, social psychology, assessment, and history through the use of an enhanced interactive instructional environment utilizing supplemental sources, reflective reasoning, and intensive dialogue. Courses with "H" suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: Admission to the Honors program.

**PSY 102 Psychology of Personal and Social Adjustment 3 (3,0,0,0)**

Study and analysis of effective psychological coping and adjustment strategies in both personal and diverse social contexts.

**PSY 130 Human Sexuality 3 (3,0,0,0)**

Psychological study of major topics related to human sexuality from scientific, developmental, socio-cultural, and applied perspectives.

**PSY 200 Introduction to the Psychology Major 1 (1,0,0,0)**

An introduction to psychology as a college major, including an overview of topics in psychology, careers in psychology, and preparation for additional study in psychology or closely-related disciplines.

**PSY 201 Lifespan Development 3 (3,0,0,0)**

Overview of developmental psychology from a lifespan perspective including physical, mental, social, and emotional changes at all stages of life from conception to death.

**PSY 203 Advanced General Psychology I 3 (3,0,0,0)**

Intensive study of selected major topics in the field of psychology.

Prerequisite: PSY 101.

**PSY 206 Business/Industrial Psychology 3 (3,0,0,0)**

Introduction to Business/Industrial/Organizational Psychology including individual, group, and organizational theory, research, and applications related to operations in businesses and other organizations.

**PSY 207 Psychology and the Family 3 (3,0,0,0)**

Overview of the current theories and research findings regarding family structures including evolving familial relationships, familial dynamics, familial transitions, and effective therapeutic interventions.

**PSY 208 Psychology of Human Relations 3 (3,0,0,0)**

Explores the relationships between human beings and assists in the development of interpersonal communication skills which can be used personally and professionally.

**PSY 210 Introduction to Statistical Methods 4 (4,0,0,0)**

Study and practice with basic statistical methods especially useful in the presentation and interpretation of psychological, sociological and educational data, including an introduction to common computer based statistical programs. (Same as SOC 210.)

Prerequisite: MATH 095 with a grade of C or better; and PSY 101 or 101H.

**PSY 224 Introduction to Latino Psychology 3 (3,0,0,0)**

Examination of psychological influences affecting Latino(a)s within the United States both currently and historically.

**PSY 228 Psychology of Dreams 3 (3,0,0,0)**

Introduction to the study and analysis of dreams using psychological theory and interpretation.

**PSY 233 Child Psychology 3 (3,0,0,0)**

An introduction to the psychological study of child growth and development from conception through adolescence including physical, cognitive, social/emotional and moral development and issues relevant to each major developmental stage.

**PSY 234 Psychology of Adolescence 3 (3,0,0,0)**

An introduction to the psychological study of adolescent development including physical, cognitive, social/emotional, and moral development and issues relevant to adolescence.

**PSY 240 Introduction to Research Methods 3 (3,0,0,0)**

Overview of the research process in the social sciences, including the fundamental characteristics of quantitative and qualitative research, experimental designs and the role of statistical and correctional techniques. (Same as SOC 240.)

Prerequisite: PSY 101 or SOC 101.



**PSY 241 Introduction to Abnormal Psychology 3 (3,0,0,0)**

Overview of the perspectives, terminology and concepts used in identifying, diagnosing and treating abnormal behavior.

**PSY 261 Introduction to Social Psychology 3 (3,0,0,0)**

Introduction to social and group factors affecting individual behavior, including communication, self and socialization, attitude formation and change. (Same as SOC 261.)

**PSY 270 Understanding Psychology Through Film 3 (3,0,0,0)**

Analysis of psychological concepts as portrayed in popular film or video media related to individuals, families, relationships, abnormal behavior and human development.

**PSY 276 Aging in Modern American Society 3 (3,0,0,0)**

Interdisciplinary survey of theory, research, and policy related to the psychological and sociological development and changes in the process of aging. (Same as SOC 276.)

**PSY 298 Capstone Course 1 (0,0,0,3)**

Review and assessment of core concepts and learning outcomes of the psychology degree program. Designed as culminating course in completion of psychology degree requirements and preparation for further academic study.

Prerequisite: PSY 101 or 101H; and 200 and 210 and 240.

**PSY 299 Special Topics 3 (3,0,0,0)**

Concentrated study, research and analysis of selected topic(s) in psychology.

**Physical Therapy****PT 100 Introduction to Physical Therapy 3 (3,0,0,0)**

Introduction to the practice and profession of physical therapy including history, philosophy, role and scope, licensure and ethics. Other topics include documentation, medical terminology and information about other allied health careers.

**PT 101B Pilates for Fitness - Level I 2 (1,3,0,0)**

Course covers the foundation principles, theory of and instruction in Pilates method exercises using Pilates equipment. This class is designed for all fitness levels. Open enrollment.

**PT 102B Pilates for Fitness - Level II 2 (1,3,0,0)**

Course provides more in-depth instruction in theory and practice of Pilates method exercises. Emphasis will be on advanced exercises and a full-body workout using Pilates equipment.

Prerequisite: PT 101B or Instructor approval.

**PT 104B Dissection Techniques 1-3 (0,2-6,0,0)**

Students are introduced to the techniques used in the dissection of tissues for use as prosection materials in physical therapist assistant courses. Enrollment by Instructor approval.

**PT 105 Musculoskeletal Anatomy Review 1 (0,3,0,0)**

Students review selected topics in human anatomy including the musculoskeletal, neurological, cardiovascular and respiratory systems. Restricted to admitted PTA program students.

**PT 110 Principles of Kinesiology 2 (2,0,0,0)**

Students are introduced to basic kinesiological principles of normal movement and their importance in understanding and implementing treatment programs. Restricted to admitted PTA program students.

**PT 111 Problems in Kinesiology 2 (0,6,0,0)**

Students develop competencies in identifying anatomical landmarks and symmetry, muscle length relationships and contraction types, joint mechanics and function, neurological control and effects and gait cycle. Restricted to admitted PTA program students.

**PT 117 Fundamental Principles for the Physical Therapist Assistant 2 (2,0,0,0)**

This course reviews the fundamental principles required for appropriate patient treatment and care. Topics include gait training, mobility and transfer training, wheelchair adjustment, architectural barriers, documentation and patient education. Restricted to admitted PTA program students.

**PT 118 Fundamental Procedures for the Physical Therapist Assistant 2 (0,6,0,0)**

Students develop competence in fundamental skills including ADLs, transfers, mobility, gait training, architectural barriers, documentation and patient education. Patient age is considered. Restricted to admitted PTA program students.

**PT 120 Observation and Measurement Principles for the Physical Therapist Assistant 2 (2,0,0,0)**

Introduction to the principles for monitoring patient progress and safety and making recommendations for treatment modifications.

Prerequisite: PT 105 and 110 and 111 and 117 and 118.

**PT 121 Observation and Measurement Procedures 2 (0,6,0,0)**

Students develop competencies in observation and measurement techniques including goniometry, manual muscle testing, volumetric measurements, righting and equilibrium reactions and posture, gait and sensory assessments.

Prerequisite: PT 105 and 110 and 111 and 117 and 118.



- PT 122 Psychological-Social Considerations in Patient Care 3 (3,0,0,0)**  
Introduction to considerations which affect patient rehabilitation. Cultural diversity, work relationships, human relations, geriatric considerations, responses to illness, grieving, death and dying are discussed.  
Prerequisite: PT 105 and 110 and 111 and 117 and 118.
- PT 125 Principles of Physical Agents 2 (2,0,0,0)**  
Introduction to the theory underlying the effects of appropriate application of therapeutic physical agents.  
Prerequisite: PT 105 and 110 and 111 and 117 and 118.
- PT 126 Physical Agent Procedures and Practices 2 (0,6,0,0)**  
Students develop competence in the correct application of therapeutic heat and cold, electrotherapy, intermittent compression, massage, short wave diathermy, traction and ultrasound.  
Prerequisite: PT 105 and 110 and 111 and 117 and 118.
- PT 130 Administration in Physical Therapy 2 (2,0,0,0)**  
Introduction of students to administrative topics important for successful management including levels of authority, management techniques, personality profiles, performance evaluations, fiscal considerations and quality assurance.  
Prerequisite: PT 105 and 110 and 111 and 117 and 118.
- PT 134 Clinical Affiliation I 2 (1,0,5,0)**  
An integrated clinical experience which provides students the opportunity for observation and/or hands-on care in a variety of health settings, under the supervision of a licensed physical therapist, as applicable. The emphasis of this affiliation is applying learned fundamental skills to clinical performance expectations. A focus of this course is solid preparation for future full-time clinical affiliations.  
Prerequisite: PT 105 and 110 and 111 and 117 and 118.
- PT 225 Therapeutic Principles for Musculoskeletal Pathologies 3 (3,0,0,0)**  
Introduction to basic therapeutic principles underlying the treatment of patients with musculoskeletal pathologies. General exercise programs along with specific treatment protocols, and their indications and contraindications will be presented.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 226 Therapeutic Procedures for Musculoskeletal Pathologies 2 (0,6,0,0)**  
Students are introduced to and develop competence in the application of therapeutic exercise and other procedures used when treating musculoskeletal pathologies.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 238 Pathophysiology I 3 (3,0,0,0)**  
Review of the inflammatory and healing processes of tissue trauma or disease and the disease process associated with specific musculoskeletal pathologies.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 240 Orthotic and Prosthetic Considerations in Patient Care 1 (1,0,0,0)**  
Students are introduced to the various types of orthotic and prosthetic devices and their use in patient care.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 244 Clinical Affiliation II 2 (0,0,21,0)**  
This eight-week, full-time (40 hours/week) clinical affiliation is designed to expand the student's knowledge and competencies in treating musculoskeletal pathologies. The emphasis of this affiliation is providing direct, hands-on patient care, under the supervision of a physical therapist, acquiring entry-level competencies in musculoskeletal skills learned in the semester as well as continued development of fundamental competencies acquired in previous semesters.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 248 Pathophysiology II 3 (3,0,0,0)**  
Introduction of students to specific neuromuscular pathologies most commonly treated in the physical therapy clinic.  
Prerequisite: PT 225 and 226 and 238 and 240 and 244 and 250 and 251.
- PT 250 Therapeutic Principles for Cardiopulmonary Pathologies 2 (2,0,0,0)**  
Introduction to the therapeutic principles underlying the treatment of patients with cardiopulmonary pathologies.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 251 Therapeutic Procedures for Cardiopulmonary Pathologies 1 (0,2,0,0)**  
Students develop competencies in the application of specific treatment protocols used with cardiopulmonary pathologies.  
Prerequisite: PT 120 and 121 and 122 and 125 and 126 and 130 and 134.
- PT 254 Therapeutic Principles for Neuromuscular Pathologies 3 (3,0,0,0)**  
Introduction to the therapeutic principles used in the treatment of patients with neuromuscular pathologies.  
Prerequisite: PT 225 and 226 and 238 and 240 and 244 and 250 and 251.



**PT 255 Therapeutic Procedures for Neuromuscular Pathologies 2 (0,6,0,0)**

Students are introduced to and develop competencies in the application of specific treatment procedures used with neurologically involved children and adults.

Prerequisite: PT 225 and 226 and 238 and 240 and 244 and 250 and 251.

**PT 256 Clinical Affiliation III 2 (0,0,21,0)**

This eight-week, full-time (40 hours/week) clinical affiliation is designed to expand the student's knowledge and competencies in treating neuromuscular pathologies. The emphasis of this affiliation is providing direct, hands-on patient care, under the supervision of a physical therapist, acquiring entry-level competencies in neuromuscular skills learned in the semester as well as continued development of musculoskeletal and fundamental competencies acquired in previous semesters.

Prerequisite: PT 225 and 226 and 238 and 240 and 244 and 250 and 251.

**PT 298B Special Topics in Physical Therapy 1 (1,0,0,0)**

Students will be introduced to selected topics in rehabilitation medicine that are not covered in the core physical therapist assistant program curriculum.

### Radiation Therapy Technology

**RDTP 101B Introduction to Radiation Therapy 2 (1,3,0,0)**

This course is designed to provide the student with an overview of the foundations in radiation therapy and the practitioner's role in the health care delivery system. Principles, practices, and policies of the educational program, health care organizations, and principles of radiation and health safety and professional responsibilities of the radiation therapist will be discussed and examined. Students will also be provided foundation concepts and competencies in assessment and evaluation of the patient for service delivery. Psychological and physical needs and factors affecting treatment outcome will be presented and examined. Routine and emergency care procedures will also be presented.

**RDTP 102B Methodologies I 2 (2,0,0,0)**

This course is designed to provide the students an introduction to cancer treatment and management. Before entering full-time clinical rotations, the students will become familiar with a wide range of treatment procedures, common prescription doses for various cancer types, and educating patients on treatment side effects.

**RDTP 103B Introduction to Oncology 1 (1,0,0,0)**

This course will introduce the student to the disease process. The student will learn about the types of growths, causative factors, and biological behavior of cancer. Students will examine palliative care for the cancer patient. Basic medical terminology will be introduced.

**RDTP 105B Patient Care and Assessment 2 (2,0,0,0)**

Concepts and competencies in assessment and evaluation of the patient for health service delivery with emphasis placed on radiation therapy. The student will examine the psychological and physical needs and factors affecting treatment outcome, routine and emergency care procedures, and the use of medical oncology. Students will learn the physical diagnosis process and how to examine the cancer patient for clinical assessment and quality of care.

**RDTP 115B Caring for the Patient at the End of Life 1 (1,0,0,0)**

This course outlines the wide range of clinical experiences used to care for patients at the end of life. The course discusses practical guidance for clinicians, patients, and families about critical communication issues such as delivering bad news, discussing palliative care, making decisions for incapacitated patients, and exploring the wish to die.

**RDTP 125B Radiographic Process 2 (2,0,0,0)**

This course provides the student with instruction on the principles of radiation production, interactions with matter detection, and protection. Students will also explore radiographic imaging, radiation therapy, and treatment planning.

**RDTP 150B Introduction to Radiation Physics 2 (2,0,0,0)**

This course will establish a working knowledge of the mathematics and physics needed to understand and compute formulas related to the use of radiation in a clinical treatment setting.

**RDTP 180B Radiobiology 3 (3,0,0,0)**

Content is designed to present basic concepts and principles of radiation biology. The interactions of radiation with cells, tissues and the body as a whole and resultant biophysical event will be presented. Discussion of the theories and principles of tolerance doses, time-dose relationships, treatment fractionation schemes and the relationship of the clinical practice of radiation therapy will be discussed, examined, and evaluated.

**RDTP 202B Radiotherapy Physics 3 (3,0,0,0)**

This course is a continuation of RDTP 150 and will provide the student with a more advanced insight into the principles of physics as they relate to radiation therapy. Included are; measurements, dosage, absorption, isodose curves, radiation safety and protection, room design and calibration of equipment, Brachytherapy as well as disposal of radioactive waste.

**RDTP 210B Treatment Planning I 3 (3,0,0,0)**

Content is designed to establish factors that influence and govern clinical planning of patient treatment. The student will learn isodose descriptions, patient contouring, basic dosimetric calculations (single field and parallel opposed fields, PDD, TAR, TMR), and clinical applications of treatment beams. Class demonstrations / laboratories and projects are incorporated to complement specific content areas and are focused on clinical applications.





**RDTP 211B Radiographic Analysis 2 (2,0,0,0)**

This course is designed to provide the students with an understanding of the diagnostic imaging process as well as the radiation treatment delivery process. This course will also introduce students to the basic concepts of computed tomography, sectional anatomy, and how these relate to patient positioning and treatment.

**RDTP 212B Cross Sectional, Topographic and Radiological Anatomy 2 (2,0,0,0)**

This course discusses anatomy specifically from an imaging perspective. Students will learn to identify structures and pathology on CT and MRI scans as well as locating landmarks on diagnostic and simulator films. Basic anatomical relationships will be compared using topographical and cross-sectional images.

**RDTP 213B Radiation Oncology 3 (3,0,0,0)**

This course provides the student with an understanding of the clinical signs, symptoms, epidemiology, routes of spread, pathology, staging system, and management approaches of the major tumor sites in the body. Topics covered include diagnostic and staging work-up, prognostic factors, decision-making skills for treatment options and treatment results.

**RDTP 214B Methodologies II 2 (1,3,0,0)**

This course deals with relational and cross-sectional anatomy of the head, thorax, abdomen, pelvis, and representative sections of the extremities. In the laboratory component, students will simulate radiation treatment fields of cross-sectional anatomy using C.T., MRI, SPECT, ultrasound, and PET images. This course is designed to move students from a two- to a three-dimensional view of internal and relational anatomy.

**RDTP 215B Treatment Planning II 3 (3,0,0,0)**

This course is a continuation of Treatment Planning I. Students will be responsible for accurate three-dimensional treatment plans for lung, brain, abdomen, pelvis and extremity cancers. Planning will include wedges, blocks, beam weighting, off axis, boost fields and special techniques.

**RDTP 216B Methodologies III 2 (1,3,0,0)**

A continuation of Radiation Oncology I. This course will continue to discuss the management of specific neoplastic disease including epidemiology, etiology, detection, diagnosis, patient condition, treatment, and prognosis of neoplastic disease in relationship to histology, anatomical site, and patterns of spread; the radiation therapists' responsibility in the management of neoplastic disease.

**RDTP 219B Advanced Radiation Therapy Techniques 2 (2,0,0,0)**

Continuation of RDTP 214B to provide the student with the advanced concepts of dosimetry, treatment planning, and patient simulation. Various external beam techniques and applications, depth dose data, and summation of isodose curves will be applied to simulation procedures. Modalities of treatment, immobilization, patient set-up, dose measurement and verification are discussed and practiced.

**RDTP 220B Treatment Planning Lab 1 (0,3,0,0)**

Content is designed to establish factors that influence and govern clinical planning of patient treatment. The student will learn isodose descriptions, practice patient contouring, radiobiological considerations, dosimetric calculations, compensation and clinical applications of treatment beams. Optimal treatment planning is emphasized along with particle beams. Stereotactic and emerging technologies are also discussed. Class demonstrations / laboratories and projects are incorporated to complement specific content areas and are focused on clinical applications. Students will complete a minimum of fifteen (15) laboratory assignments computing basic single field, parallel opposed fields, and computer generated treatment plans.

**RDTP 221B Ethics/Law/Professionalism 2 (2,0,0,0)**

This course establishes a basic foundation of professional practice for the radiation therapist as a part of the radiation therapy team. It discusses ethical behavior for caregivers as well as legal ramifications, malpractice issues, and ARRT ethics. The course content is designed to develop problem solving and critical thinking skills, especially as they relate to clinical ethics.

**RDTP 229B Radiation Therapy Board Review 1 (1,0,0,0)**

This course offers a comprehensive review of all courses in the Radiation Therapy program to prepare the student to sit the ARRT-National Registry examination. Four complete Board exams will be administered to mimic the actual exam and students will be able to dissect their errors and correct them through lecture and reading assignments.

**RDTP 230B Clinical Applications I 1 (0,3,0,0)**

Patient treatment competencies are discussed and practiced on a simulation machine. Students are introduced to isocenter, depth of treatment, patient localization marks, immobilization devices, patient alignment using lasers.

**RDTP 231B Clinical Applications II 1 (0,3,0,0)**

Continuation of Clinical Applications I. Students will be assigned four (4) intermediate treatment competencies to be completed under the direct supervision of CSN faculty.

**RDTP 232B Clinical Practicum III 3 (0,0,21,0)**

Continuation of Clinical Applications II where the student will take the competencies learned in the lab and apply them to actual patients in the clinic. The student responsibilities increase as more complicated competencies are introduced in patient treatments set-ups.

**RDTP 233B Clinical Practicum IV 1 (0,3,0,0)**

Advanced Clinical Practicum stressing practical application of dosimetry competencies under the direct supervision of a medical physicist or dosimetrist. Continuation of advanced patient treatment competencies under the supervision of a Registered Radiation Therapist.



**RDTP 234B Clinical Practicum V 4 (0,0,17,0)**

The most advanced clinical practicum as evidenced by the level of competency of the student upon completion of RDTP 233B. Successful completion of this course will ensure that the student is competent upon graduation to assume all of the responsibilities required of a Registered Radiation Therapy Technologist.

### Real Estate

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**RE 101 Real Estate Principles 3 (3,0,0,0)**

A course that covers most subjects required for successful passing of the state real estate exam. Satisfies requirements of the Nevada State Real Estate Commission Salesman's exam.

**RE 102B Real Estate Math 3 (3,0,0,0)**

A general mathematics course designed to assist the student who wishes to pass the state exam as well as the student who wants to be more proficient and knowledgeable in the real estate profession.

**RE 103 Real Estate Law and Practice 3 (3,0,0,0)**

A law course specifically designed for the field of real estate including agency, contracts, deeds, instruments, easements, estates in land, zoning, restrictions, tenancy, liens, foreclosures, transfers of title, leases and court decisions. One of two courses required by the Nevada Real Estate Commission to take the Salesperson's License exam.

**RE 199 Real Estate Investments 3 (3,0,0,0)**

Introduction to the mechanics of the real estate business, state, and federal regulations, management, financial statements, formulas, techniques, protection and investment guidelines for the consumer as they relate to the real estate business.

**RE 201B Real Estate Brokerage 3 (3,0,0,0)**

Study of the factors necessary for the establishment and efficient operation of brokerage offices. Ethics, listing, office location, physical layout, budgeting, records and procedures. One of several courses required by the Nevada Real Estate Commission to take the Broker's exam.

**RE 202 Real Estate Financing and Insurance 3 (3,0,0,0)**

A study of the procedures and techniques requisite to the analysis of financial real property. The types of financing include conventional, Federal Housing Administration, Veterans' Administration, credit evaluations, interest rates, loan costs and the availability of mortgage money and its competition in the money market. Types of insurance specifically applicable to the real estate industry covered.

**RE 203B Tax Aspects of Real Property Transactions 3 (3,0,0,0)**

Course covers basic tax law principles governing forms and methods of acquisition of real property. Emphasis is on planning techniques to structure real property transactions to minimize tax liability.

**RE 205B Real Property Management 3 (3,0,0,0)**

Designed to cover the fundamental principles involved in the management of real property. Topics to be covered include the role of an effective managing agent, accounting systems and financial controls, human relations in property management, leases, developing management checklist and developing effective service techniques.

**RE 206 Real Estate Appraising 3 (3,0,0,0)**

Course covers basic principles and economic trends, nature of appraisal process, neighborhood and site analysis, site evaluation, residential style and functional utility. Use of cost, income capitalization and market approaches to value and the correlation of the data to arrive at a value estimate. Recommended for those holding a real estate license.

**RE 295B Work Experience I 3 (0,0,0,15)**

Cooperative Education course designed to provide the student with on-the-job supervised and educationally directed work experience with the Real Estate Program. Student must work a minimum average of 15 hours per week for a total of 225 hours to earn practicum work experience credit.

### Reading Skills

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**READ 092 Spelling Skills I 3 (3,0,0,0)**

Develops essential spelling skills. Emphasis is on learning, practice and retention of basic spelling rules.

**READ 094 Spelling Skills II 2 (2,0,0,0)**

This class offers a variety of approaches to help students master the spelling of troublesome words. Some of the approaches include: learning principles, pairing, mnemonic devices, rhyme, definition, repetition, pronunciation.

Prerequisite: READ 92 with a grade of C or higher.

**READ 095 Reading and Improvement 3 (3,0,0,0)**

This class will improve fundamental reading skills, including word-attack skills, vocabulary development, reading comprehension, fluency, and interpretation. Extensive opportunities for applying reading strategies for before, during, and after reading will be provided. Critical analysis skills in relationship to various texts will be introduced to guide students toward college level reading.

Prerequisite: Accuplacer Reading Placement Test.

**READ 096 Vocabulary Skills I 3 (3,0,0,0)**

Designed to broaden the student's range of English vocabulary. Emphasis is placed on word recognition, misused words, basic Latin and Greek roots.

**READ 097 Vocabulary Skills II 3 (3,0,0,0)**

Strategies for the mastery of vocabulary words useful for the academic and employment world.

Prerequisite: READ 096 with a grade of C or higher.





**READ 099 Active Reading Strategies 1 (0,3,0,0)**

This course will equip students with active reading skills and vocabulary learning strategies that will improve their success in other courses. Designed to be taken with another class that relies heavily on difficult reading.

**READ 130 Reading in the Disciplines 3 (3,0,0,0)**

Students will learn the unique skills, including vocabulary, comprehension, and fluency, required to read textbooks and related materials in different subject areas. Students will learn how to adapt and apply academic reading and learning strategies to suit the distinct characteristics of college-level texts in academic disciplines.

Prerequisite: Accuplacer Reading Score or READ 095 with a grade of C or better.

**READ 135 College Reading Strategies 3 (3,0,0,0)**

Improvement of reading comprehension, critical thinking skills, vocabulary, reading rate, and study-reading techniques through reading and analyzing a variety of texts, including college level texts and textbook selections from various areas. Note: May be taken in lieu of the reading portion of the PPST exam by a license holder who has failed the PPST reading portion at least once when a grade of B is obtained at the conclusion of the course. This option is not available to students in teacher education courses.

Prerequisite: Accuplacer Reading Placement test score; or C or better in READ 095; or License holder who has failed the PPST reading portion at least once.

## Religious Studies

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**RST 101 Introduction to Religious Studies 3 (3,0,0,0)**

Varieties of religious expression: belief, ritual scripture, art. Religious issues: deity, the sacred, death, evil, salvation. Methods of studying religion.

**RST 136 Introduction to Women and Religion 3 (3,0,0,0)**

This course studies women as subjects of religion and provides an opportunity for students to examine religion in the context of the gender-specific experiences of women. The course includes the roles of women in a variety of religious groups as well as a study of the myths and symbols relating to women's roles in these religious groups.

**RST 150 Abrahamic Religions: Judaism, Christianity, Islam 3 (3,0,0,0)**

This course focuses on the major historical developments, structural cosmology, symbolic interpretation, and values of the Abrahamic religions: Judaism, Christianity, Islam.

**RST 170 Introduction to Modern Western Paganism 3 (3,0,0,0)**

This course introduces Modern Western Paganism. Included are history, sources, traditions, cosmology, practices, rituals, ritual calendars, and rites of passage.

**RST 260 Mesoamerican Religions: Jaguars, Serpents, Trees 3 (3,0,0,0)**

Introduction to the religions of Mesoamerica using cultural methods such as art and architecture coupled with written sources to explore their unique cosmology.

**RST 270 Modern Western Pagan Thought 3 (3,0,0,0)**

Exploration of beliefs, values, and ethics of the modern western Pagan community. Includes concepts of deity, nature, magic, ethics, existence, suffering, evil, death, and ecstasy.

**RST 295 Topical Issues in Religious Studies 1-3 (1-3,0,0,0)**

The topic will vary; however the intent is to develop awareness of and appreciation for certain religious or spiritual paths and/or issues. May be repeated up to six credits.

## Russian

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**RUS 111 First Year Russian I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing; structural analysis. Emphasis is placed on speaking.

**RUS 112 First Year Russian II 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing; structural analysis. Emphasis is placed on speaking.

Prerequisite: RUS 111 or equivalent.

**RUS 211 Second Year Russian I 3 (3,0,0,0)**

Further development of Russian speaking, listening, reading, writing skills and Russian cultural awareness.

Prerequisite: RUS 112 or Department approval.

**RUS 212 Second Year Russian II 3 (3,0,0,0)**

Further advancement of Russian speaking, listening, reading, writing skills and Russian cultural awareness.

Prerequisite: RUS 211 or Department approval.

## Sustainable Construction

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**SCT 201B Sustainable Construction of New Buildings 3 (3,0,0,0)**

This course will compare the differences between sustainable construction and the traditional method of construction including environmental and social demands and economic strategies during construction and after the construction is completed.

Prerequisite: SCT 101B and 105B.



**SCT 202B Sustainable Construction of Existing Buildings 3 (3,0,0,0)**

This course will cover retrofitting of commercial and residential construction for energy efficiency and sustainable operations of existing buildings.

Prerequisite: ENG 100 or 101 or 113; and SCT 101B and 105B.

**Sociology****SOC 101 Principles of Sociology 3 (3,0,0,0)**

An overview of the sociological principles that shape the development, structure and function of societies, cultures, human interactions, groups, self-image, and social change.

**SOC 101H Principles of Sociology – Honors 3 (3,0,0,0)**

An Honors-level study of sociological principles that shape the development, structure and function of societies, cultures, human interactions, groups, self-image, and social change. Honors emphasizes interactive learning, entailing an examination of the self and one's social and cultural world through the use of reflective reasoning and dialogue. Courses with "H" suffixes are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

Prerequisite: Admission to the Honors program.

**SOC 102 Contemporary Social Issues 3 (3,0,0,0)**

An examination of selected social issues and problems, their causes and proposed solutions.

**SOC 205 Ethnic Groups in Contemporary Societies 3 (3,0,0,0)**

A survey of racial and ethnic intergroup relations in the United States and other societies. Emphasis is on cultural, social, and institutional factors that lead to group conflict and/or cultural pluralism. (Same as ANTH 205.)

**SOC 207 Introduction to Sociological Theory 3 (3,0,0,0)**

Examination of the works of classical and contemporary social theorists of the nineteenth and twentieth centuries.

**SOC 210 Introduction to Statistical Methods 4 (4,0,0,0)**

Study and practice with basic statistical methods especially useful in the presentation and interpretation of psychological, sociological and educational data, an introduction to common computer based statistical programs. (Same as PSY 210.)

Prerequisite: MATH 95 with a grade of C or better; and SOC 101 or SOC 101H.

**SOC 222 Terrorism and Political Violence 4 (4,0,0,0)**

This interdisciplinary course focuses on the motivation for terrorism and political violence. It addresses the question, "What makes an otherwise ordinary person deliberately attack unarmed civilians who have personally done the perpetrator no wrong and is in no position to redress the perpetrator's grievances?" The course approaches the issue from four different academic perspectives: history, psychology, sociology, and political science. (Same as PSC 222 and HIST 222.)

**SOC 225 Media and Society 3 (3,0,0,0)**

An investigation of the role of the Mass Media and its effects on contemporary society.

**SOC 240 Social Science Research Methods 3 (3,0,0,0)**

Overview of the research process in the social sciences including the fundamental characteristics of quantitative and qualitative research, experimental designs, and the role of statistical and correlational techniques. (Same as PSY 240.)

Prerequisite: PSY 101 or SOC 101.

**SOC 241 Introduction to Research Methods 3 (3,0,0,0)**

This course provides a broad survey of research methods and the tools needed to critically assess sociological research.

**SOC 261 Introduction to Social Psychology 3 (3,0,0,0)**

Introduction to social and group factors affecting individual behavior including communication, self and socialization, attitude formation and change. (Same as PSY 261.)

**SOC 270 Introduction to Deviant Behavior 3 (3,0,0,0)**

A survey of the contrasting sociological perspectives in the field of deviant behavior as applied to a variety of socially stigmatized behaviors.

**SOC 275 Introduction to Marriage and Family 3 (3,0,0,0)**

Survey of issues in the sociology of the family including the intersection of race/ethnicity, class, and gender. (Same as WMST 275.)

**SOC 276 Aging in Modern American Society 3 (3,0,0,0)**

Interdisciplinary survey of theory, research, and policy related to the psychological and sociological development and changes in the process of aging in society. (Same as PSY 276.)



**SOC 281 Computer Applications for the Social Sciences 4 (2,4,0,0)**

This course equips students with computer skills needed to compete effectively for new employment opportunities in service organizations and evaluation research (i.e., applications, analysis, data management).

Prerequisite: IS 101.

**SOC 289 Applied Skills in Sociology 3 (3,0,0,0)**

Designed as culminating course in completion of sociology degree program. This capstone course blends research, theory, and method with supervised practical experience in applied sociology.

Prerequisite: Instructor approval.

**SOC 291 Field Experience in Sociology 1 (0.5,0,0,4)**

Program includes formal classroom instruction (substantive and applied components), computer-related tasks, and on-site job training, blending theory with practice. Communication and social interactive skills are developed and practiced. Course may be repeated one time for a total of two credits.

**SOC 295 Sociology of the Future 3 (3,0,0,0)**

Providing a sociological perspective on the emerging trends and issues that affect the current outlook for our society, including an introduction to various models for forecasting future trends and how to critically evaluate forecasts.

**SOC 298 Selected Topics in Sociology 3 (3,0,0,0)**

Variable content required to respond to specific topic areas in sociology, relationships between sociology and the community, special student interests and needs and faculty expertise.

**SOC 299 Capstone Course in Sociology 1 (0,0,0,1)**

This course provides a capstone experience in the field of sociology. It integrates coursework covered in the Sociology AA degree program and provides preparation for both academic and non-academic careers in sociology.

Prerequisite: Instructor approval.

## Sonography

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**SON 101B Basic Sonography 3 (3,0,0,0)**

Presents an introduction to sonography, with an emphasis on the role of the sonographer, basic anatomy, physiology, physics, and imaging parameters.

**SON 101L Basic Sonography Laboratory 1 (0,3,0,0)**

Focuses on the development of skills needed to begin clinical courses.

**SON 102B Basic Cardiac Sonography 3 (3,0,0,0)**

Presents an introduction to cardiac sonography, with an emphasis on the role of the sonographer, basic anatomy, physiology, physics and imaging parameters.

Corequisite: SON 102L.

**SON 102L Basic Cardiac Sonography Laboratory 1 (0,3,0,0)**

Focuses on the development of skills needed to begin clinical courses.

**SON 116B Echocardiography I 3 (3,0,0,0)**

Focuses on valvular heart disease, ischemic cardiac disease, cardiomyopathy, pericardial disease, congenital heart disease, and cardiac neoplasms and masses.

**SON 125B Sonographic Physics and Instrumentation I 3 (3,0,0,0)**

Focuses on basic sonographic principles, with an emphasis on instrumentation.

**SON 135B Cardiovascular Ultrasound Physics 2 (2,0,0,0)**

This course presents students with advanced cardiovascular principles with an emphasis on cardiac anatomy, physiology, evaluation methods and hemodynamics. The information presented will serve as a resource for the ARDMS exam on cardiovascular principles and instrumentation.

**SON 150B Patient Care for Imaging Professions 3 (2,3,0,0)**

Focuses on patient care procedures, patient transport and handling, infection control, surgical asepsis, interview and examination techniques, vital signs and emergency procedures and chart and referral evaluations.

**SON 160B Sonographic Scanning Lab I 2 (0,8,0,0)**

Ultrasound procedures performed in supervised lab on campus.

**SON 190B Sonographic Physics and Instrumentation II 3 (3,0,0,0)**

Continuation of Sonographic Physics I with emphasis on Doppler physics, including color Doppler, hemodynamics, bio effects, quality assurance/control and sonographic artifacts.

Prerequisite: SON 125B.

**SON 195B Sonographic Scanning Lab II 2 (0,8,0,0)**

Ultrasound procedures performed in a supervised lab on campus.

**SON 210B Abdominal Sonography I 3 (3,0,0,0)**

Focuses on the anatomy, physiology and pathology of the abdominal organs that can be visualized with ultrasound.



**SON 216B Echocardiography II 3 (3,0,0,0)**

Continuation of SON 116B with emphasis on cardiac trauma, pulmonary vascular disease, diseases of the aorta and great vessels, transesophageal echocardiography, contrast echocardiography and intraoperative echocardiography.

**SON 220B Abdominal Sonography II 3 (3,0,0,0)**

Focuses on the anatomy, physiology, and pathology of the urinary system, thyroid, breast, scrotum, prostate and neonatal neurosonography.

Prerequisite: SON 210B.

**SON 225B Stress Echocardiography 3 (3,0,0,0)**

Focuses on the indications, utility, limitations and technical procedures related to stress echocardiology including cardiovascular pharmacology, theory and use of provocative stress agents and non-pharmacologic stress.

**SON 235B Gynecologic Sonography 3 (3,0,0,0)**

Focuses on the anatomy, physiology and pathology of the female pelvis and reproductive system and sonographic appearance.

**SON 245B Obstetrical Sonography I 3 (3,0,0,0)**

Focuses on the anatomy, physiology and pathology of pregnancy with emphasis on first trimester pregnancy and complications of first trimester obstetrics. Normal sonographic obstetrical measurements and sonographic appearance of first, second and third trimester pregnancy will also be covered.

**SON 250B Seminar and Case Review I 2 (2,0,0,0)**

Through the presentation of select cases by students, faculty and radiologists, the multi-facets of diagnostic medical sonography are reviewed and future trends discussed.

**SON 255B Seminar and Case Review II 2 (2,0,0,0)**

Through the presentation of select cases by students, faculty, and radiologists, the multi-facets of diagnostic medical sonography are reviewed and future trends discussed.

**SON 260B Obstetrical Sonography II 3 (3,0,0,0)**

Continuation of Obstetrical Sonography I with emphasis on abnormal second and third trimester pregnancy, fetal anomalies, multiple gestation, maternal disease, amniotic fluid, placenta and invasive procedures during pregnancy.

**SON 261B Pediatric Echocardiography I 3 (3,0,0,0)**

Focuses on fetal, neonatal and pediatric echocardiography including embryology and normal fetal and neonatal cardiac anatomy. Pediatric cardiac pathology, pathophysiology and hemodynamics in various disease processes will be discussed.

**SON 262B Pediatric Echocardiography II 2 (2,0,0,0)**

Continuation of Pediatric Echocardiography I with special emphasis on contrast agents, specialized pediatric patient care, pediatric transesophageal echocardiography and surgical procedures utilized for pediatric cardiac anomalies.

**SON 270B Small Parts/Pediatric Sonography 2 (2,0,0,0)**

Focuses on the anatomy, physiology and pathology of the thyroid, breast, scrotum, prostate, and neonatal brain. Pediatric spine, abdomen, kidneys, hips, and gastrointestinal system as imaged on ultrasound will be discussed.

**SON 275B Vascular Sonography I 3 (3,0,0,0)**

Focuses on duplex and color Doppler imaging of the extracranial cerebral and peripheral vessels of the vascular system as well as the physiology and sonographic appearance of normal anatomy and pathology.

Corequisite: SON 275L.

**SON 275L Vascular Sonography Laboratory I 1 (0,4,0,0)**

Focuses on the use of "Direct Testing" methods in the performance of vascular ultrasound procedures in a supervised lab on campus.

**SON 276B Vascular Sonography II 3 (3,0,0,0)**

Continuation of SON 275B (Vascular Sonography I), with an emphasis on the use of "Indirect Testing" ultrasound evaluation of the vascular system in the upper and lower extremities; and transcranial Doppler. Plethysmography of extremity vessels will also be discussed.

Corequisite: SON 276L.

**SON 276L Vascular Sonography Laboratory II 1 (0,4,0,0)**

Focuses on the use of "Indirect Testing" methods in the performance of vascular ultrasound procedures in a supervised lab on campus.

**SON 280B Sonographic Clinical Practicum I 2 (0,0,16,0)**

Provides 16 hours per week of supervised ultrasound clinical experience.

**SON 281B Sonographic Clinical Practicum II 2 (0,0,16,0)**

Provides 16 hours per week of supervised ultrasound clinical experience.

Prerequisite: SON 280B.

**SON 282B Sonographic Clinical Practicum III 3 (0,0,24,0)**

Provides 24 hours per week of supervised ultrasound clinical experience.

Prerequisite: SON 281B.





**SON 283B Sonographic Clinical Practicum IV 3 (0,0,24,0)**

Provides 24 hours per week of supervised ultrasound clinical experience.

Prerequisite: SON 282B.

**SON 284B Sonographic Clinical Practicum V 3 (0,0,24,0)**

Provides 24 hours per week of supervised ultrasound clinical experience.

Prerequisite: SON 283B.

**SON 290B Sonography Registry Review 2 (2,0,0,0)**

A review of material covered in all previous sonography courses. Designed to prepare students to take the Abdominal, Obstetrics and Gynecology, and Ultrasound Physics and Instrumentation registries.

**SON 291B Cardiac Registry Review 2 (2,0,0,0)**

Review of all course content for Cardiac/Vascular program with emphasis on registry question.

## Spanish

**SPAN 101B Basics of Spanish I 3 (3,0,0,0)**

An introductory Spanish course emphasizing spoken communication and development of elementary structures in Spanish. It may not transfer to other institutions.

**SPAN 102B Basics of Spanish II 3 (3,0,0,0)**

A continuation of the basic language skills learned in SPAN 101B, emphasizing spoken communication and development of elementary structures in Spanish. Course may not transfer to other institutions.

Prerequisite: SPAN 101B.

**SPAN 105B Spanish for Health Professions I 3 (3,0,0,0)**

An introductory course emphasizing spoken communication. Students study basic grammatical concepts in a variety of practical settings and specialized vocabulary needed by personnel in the health professions.

Prerequisite: SPAN 105B or equivalent

**SPAN 106B Spanish for Health Professions II 3 (3,0,0,0)**

A continuation of SPAN 105B; students continue studying specialized vocabulary and basic grammatical concepts needed by health professions personnel and apply it in practical settings.

Prerequisite: SPAN 105B or equivalent knowledge of basic Spanish structures and vocabulary.

**SPAN 111 First Year Spanish I 4 (4,0,0,0)**

A beginning level Spanish course emphasizing the development of language skills (listening, speaking, reading, and writing) and cultural understanding. Emphasis on basic communication.

**SPAN 112 First Year Spanish II 4 (4,0,0,0)**

This is the second semester of first-year Spanish concentrating on the development of language skills in the present and simple past tenses (listening, speaking, reading and writing) and cultural understanding. Emphasis on basic communication.

Prerequisite: SPAN 111.

**SPAN 116B Spanish for Law Enforcement I 3 (3,0,0,0)**

Emphasizes spoken communication, including the specialized vocabulary and basic grammatical concepts needed by Law Enforcement personnel. Will provide applications of Spanish in situations ranging from domestic violence to reading the Miranda warning.

**SPAN 126 Introduction to Spanish for Heritage Speakers 3 (3,0,0,0)**

This course focuses on expanding intermediate-level vocabulary, developing oral skills, and exploring basic grammatical concepts to prepare students for second year courses. The course was designed for students who grew up or spent significant amounts of time, in a Spanish-speaking environment.

**SPAN 211 Second Year Spanish I 3 (3,0,0,0)**

The development of intermediate language skills using a variety of tenses (listening, speaking, reading, and writing) and cultural understanding. Emphasis on incorporation of intermediate communication.

Prerequisite: SPAN 112.

**SPAN 212 Second Year Spanish II 3 (3,0,0,0)**

The development of intermediate language skills using a comprehensive variety of tenses (listening, speaking, reading, and writing) and cultural understanding. Emphasis on mastery of intermediate communication.

Prerequisite: SPAN 211.

**SPAN 215 Intermediate Spanish Conversation I 3 (3,0,0,0)**

Designed to continue and improve the oral communication and listening skills of the student who has completed SPAN 212 or has the equivalent knowledge.

**SPAN 216 Intermediate Spanish Conversation II 3 (3,0,0,0)**

Designed to continue and improve the oral communication and listening skills of the student who has completed SPAN 212 or SPAN 215 or has the equivalent knowledge.





**SPAN 223 Spanish Caribbean Culture 3 (3,0,0,0)**

This course examines historical, cultural, and social developments of the Spanish Caribbean from pre-Hispanic times to the present. Topics include history, traditions, ethnicity, literature, arts, religion, politics, music, and food. (Same as LAS 223.)

**SPAN 224 Mexican Culture 3 (3,0,0,0)**

This course focuses on elements that contribute to the formation of the culture and identity of the Mexican nation: history, religion, music, art, food, movies and TV, traditions, celebrations and folklore, social realities, and the relationship with the U.S. Taught in English. (Same as LAS 224.)

**SPAN 226 Spanish for Heritage Speakers I 3 (3,0,0,0)**

Designed for students who have an informal training in Spanish, but little or no formal instruction. Emphasis on grammar, transfer of literacy skills, vocabulary enrichment and cultural awareness.

**SPAN 227 Spanish for Heritage Speakers II 3 (3,0,0,0)**

Designed for students who have an informal training in Spanish, but little or no formal instruction. This course continues to examine the topics and skills from SPAN 226; emphasis on grammar, transfer of literacy skills, vocabulary enrichment and cultural awareness.

### Surgical Technology

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**SRGT 101B Introduction to Surgical Technology 1 (1,0,0,0)**

Roles and responsibilities of the Surgical Technologist are discussed, defined, and explored. Includes hands-on demonstrations pertaining to the field of Surgical Technology. Discussion of the educational requirements, certifications, job description, and job outlook of the profession.

**SRGT 103B Pharmacology for the Surgical Technologist 2 (2,0,0,0)**

Scientific principles of biological science, pharmacology, and anesthetic agents. Defines the rationale for the use of specific drugs, their therapeutic effects and major side effects on the surgical patient, and how they may alter or influence surgical intervention.

Prerequisite: Acceptance into the program.

**SRGT 105B Surgical Interventions I 5 (4,3,0,0)**

Introduces knowledge of specific basic surgical procedures routinely performed in the operating room. Practical experience in basic core surgical procedures will be performed, practiced, and evaluated in preparation for entry into the clinical practicum in surgical procedures.

**SRGT 106B Surgical Fundamentals I 3 (3,0,0,0)**

Surgical indications, principles of asepsis, ethical, legal, and moral responsibilities, as well as safe patient care, principles of operating room techniques (including hazards in the surgical suite), and biotechnological sciences are defined.

**SRGT 108B Central Services Practicum 0.5 (0,0,4,0)**

The student will be directly involved in the cleansing, sorting, wrapping, packaging and sterilization of surgical instrumentation and supplies. The student will gain an understanding of the functions of central supply and surgical support staff in relation to the preparation and coordination of sterile supplies.

Prerequisite: SRGT 103B and 105B and 106B and 114B.

**SRGT 114B Principles and Practices of Surgical Technology I 3 (2,3,0,0)**

Basic concepts necessary to establish, maintain, and coordinate methods required for good patient care preoperatively, intraoperatively, and postoperatively. Principles of operating room techniques and surgical indications are included.

**SRGT 204B Principles and Practices of Surgical Technology II 3 (2,3,0,0)**

Defines proper protocol for performance in other roles in the surgical suite. Further understanding of patient care to include laboratory results, specimen care, vital signs, diagnosis, preps and shaving, catheterization, and wound care and classifications. Understand and define proper protocols for emergency situations in the surgical suite.

Prerequisite: SRGT 114B.

**SRGT 205B Surgical Interventions II 5 (4,3,0,0)**

Expanding skills to include specialty surgical procedures routinely performed in the operating room. Practical experience in specialty surgical procedures will be performed, practiced, and evaluated.

Prerequisite: SRGT 105B.

**SRGT 206B Surgical Fundamentals II 3 (3,0,0,0)**

Focus on the professional aspects of the field. With emphasis on psychosocial behaviors necessary to function as an entry-level Surgical Technologist.

Prerequisite: SRGT 106B.

**SRGT 207B Clinical Practicum I 4 (0,0,24,0)**

The student will be assigned to specific preceptors to perform in the function of a surgical technologist. The student will actively assist in selection of equipment and supplies, perform surgical scrub, and become a functioning member of the sterile team. The student will progress through specific basic core surgical specialties developing and enhancing skills needed to function as a practicing surgical technologist.

Prerequisite: SRGT 108B.

**SRGT 210B Clinical Practicum II 3 (0,0,16,0)**

Student will progress through progressively complex procedures gaining experience and competency in the position of the Surgical Technologist.

Prerequisite: SRGT 207B.



## Statistics

### **STAT 152 Introduction to Statistics 3 (3,0,0,0)**

Basic probability and statistical methods with applications (possibly with computers and the internet); correlation, descriptive statistics, experiments, graphical presentation of data, hypothesis and significance testing, linear regression, point and interval estimation, sampling, and/or other related and special topics.

Prerequisite: A grade of C or better in either MATH 124 or 126 or 128; or a satisfactory ACT/SAT/Placement Test score.

## Travel and Convention Administration

### **TCA 100B Concierge Management – Business Operations and Customer Service 3 (3,0,0,0)**

This course is an overview of professional duties of corporate, business and hospitality concierges. Focus will be on interpersonal relationships, guest transactions, customer and concierge services.

### **TCA 101B Concierge Software Applications and Operations 3 (3,0,0,0)**

This course is designed to familiarize students with the fundamentals of a comprehensive software program. The student will learn how to access information, manage events, use the logbook and message center, as well as establish patron profiles and administrative functions.

### **TCA 110 Introduction to the Convention Industry 3 (3,0,0,0)**

Overview of the convention industry, including meetings, trade shows, conferences and incentive travel. Role of the suppliers to the industry also covered. Course provides practical insights into the role of association and corporate meeting planners.

### **TCA 141 Travel and Tourism I 3 (3,0,0,0)**

Survey of travel and tourism; focus on concepts, terminology, demographics, financial significance and trends.

### **TCA 180 Hotel, Restaurant and Casino Marketing 3 (3,0,0,0)**

An introduction to the marketing of hotels, restaurants and casinos. Special attention is given to sales, public relations, advertising, promotions, merchandising and entertainment.

### **TCA 183 Conference and Convention Planning 3 (3,0,0,0)**

Practical insight into the different types of conferences and conventions, the types of organizations that stage such events and how to reach and sell to these different groups. Students will learn how to analyze a hotel and convention property along with other venues, and how to successfully service the various segments of the meeting planning industry.

### **TCA 188 Special Events Planning 3 (3,0,0,0)**

Overview of special event planning for events such as festivals, fairs, fund raisers, family occasions, civic celebrations, athletic competitions, parades, and theme parties. Students will learn organizational skills, and creativity in the design, planning, marketing, and staging of an event.

### **TCA 190 Introduction to Destination Marketing 3 (3,0,0,0)**

Study of Convention and Visitors Bureaus on a domestic level and National Tourism Organizations on an international level to examine economic impact of visitor markets and advertising, promotion, sales and public relations.

### **TCA 200 Airlines Reservations 3 (3,0,0,0)**

An introduction to Computer Reservation Systems (CRS) used in the airline/travel agent industries. Emphasis will be on specialized airline computer terminology.

### **TCA 201 Hospitality Career Development 3 (3,0,0,0)**

Prepares students for fulfilling balanced careers as hospitality professionals. Takes a strategic orientation to career planning (3 to 5 years) by facilitating students developing a personal mission statement and relevant strategies for designing and living a satisfying whole life.

Prerequisite: HMD 101; and ENG 100 or 101 or 113.

### **TCA 221 Hospitality Accounting I 3 (3,0,0,0)**

Hospitality accounting principles and practices pursuant to the industry's uniform system of accounts.

Prerequisite: MATH 104B and MATH 124 or above.

### **TCA 222 Wedding Planning 3 (3,0,0,0)**

Students will learn the business of wedding planning to include creating a guest list, hiring vendors, and creating a beautiful wedding event. Students will gain practical knowledge of traditional, non-traditional, and destination wedding planning.

### **TCA 225 Introduction to International Tourism 3 (3,0,0,0)**

Study of international travel and tourism. Focuses on the economic, social, political and environmental considerations of international tourism management and development. International tourist destinations are explored.

### **TCA 241 Travel and Tourism II 3 (3,0,0,0)**

Evaluates the economic, social and political impact of tourism and travel, including markets, transportation, media, destination development and the interrelationship of cooperating agencies.



**TCA 242 Travel Industry Operations 3 (3,0,0,0)**

Examination of services and functions of retail and wholesale travel agencies. Agency administration, ticketing, accounting, promotion, travel counseling, selling, and procedures will be covered. Field trips will supplement classroom discussions.

**TCA 251 Tourism and Convention Externship 3 (0,0,0,8)**

On-site career orientation and training program in the following areas: convention/meeting/trade shows, transportation fields, destination management/marketing, hospitality/casinos, accounting/finance, club, hotel catering, entertainment, theme parks or tourism.

**TCA 276 Introduction to Trade Show Operations 3 (3,0,0,0)**

Overview of the trade show industry. Students will learn how to develop, plan, create and evaluate domestic and international trade shows. Students will also learn how to promote and sell to attendees and exhibitors.

**TCA 289 Introduction to Corporate Meetings and Events 3 (3,0,0,0)**

Students will learn how to become successful corporate meeting planners. Students will be able to produce and market a variety of industry functions such as company events, new product/service launches, customer relations functions, and tools to evaluate an event performance.

**TCA 295 Work Experience in Tourism and Convention Industry 1 (0,0,0,1)**

In addition to the academic requirements, the Department of Hospitality Management requires 200 hours of acceptable employment in the hospitality industry. This work experience will be measured qualitatively as well as quantitatively. The work experience requirement should be met during the school year or in summers. Students who plan to transfer to UNLV will be able to transfer a maximum of 500 hours of employment toward UNLV's 1000-hour employment requirement. International students must go to the office of International Student Services to verify employment eligibility and obtain authorization. This course can be repeated up to up to a maximum of four credits. Grade will be given upon verification of employment.

## Thai

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**THAI 101 Basics of Thai I 3 (3,0,0,0)**

Introduction to Thai language and culture. A course focusing on spoken communication and the development of language skills in listening, speaking, and structural analysis. Emphasis on the student's acquisition and control of the basic sound structures and simple sentences. A vocabulary of Thai-English words developed. Oral emphasis.

**THAI 111 First Year Thai I 4 (4,0,0,0)**

The development of language skills in listening, speaking, reading and writing; structural analysis. Oral Emphasis.

## Theatre

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**THTR 100 Introduction to Theatre 3 (3,0,0,0)**

Explores theatre as a cultural attribute of world society. Special focus on theatre as an expression of culture, a representation of international themes, and its contribution to the development of civilization.

**THTR 101 Stand-Up Comedy 3 (3,0,0,0)**

An introductory course focusing on writing and solo performance of comedic work. Students will witness contemporary stand-up comics, study the psychological effects of comedy, and develop their own unique comedic writing and performance style that will culminate in performances. May be repeated four times for credit.

**THTR 105 Introduction to Acting I 3 (3,0,0,0)**

Introductory acting class focusing on the process of acting through the use of games, exercises, monologues, and short partnered scenes. This class is intended for non-theatre majors.

**THTR 133 Fundamentals of Directing 3 (3,0,0,0)**

Introduction to the process of directing for the stage. Attention will be paid to script analysis, conceptualization of a play, ground plans, working with designers, planning rehearsals, visual composition of the stage, blocking actors, and the practical experience of directing actors and casting a play.

Prerequisite: THTR 199 (or taken concurrently).

**THTR 199 Play Structure and Analysis 3 (3,0,0,0)**

Identification and analysis of key elements of dramatic structure and text analysis necessary for theatrical realization from the point of view of the playwright, director, actor, and designer using plays from a variety of genres.

**THTR 200 Introduction to Design/Technology 3 (3,0,0,0)**

Introduction to the basic design and technical components of theatrical production, including understanding effective tools for designer communication and drafting standards. Through lecture, projects, and discussion, students will attain a basic understanding of the collaborative nature of production.

**THTR 201 Costume Design I 1 (0,1,0,0)**

Covers costume design for the performing arts. Major concerns of the stage costume designer addressed including: research methodology, the creation of period style, and the importance of both visual and verbal communication in the collaborative process.

Prerequisite: Instructor approval .

**THTR 204 Theatre Technology I 3 (3,0,0,0)**

Fundamentals of technical theatre production with emphasis on scenic and lighting tools and techniques. This course requires participation in shop or run crews for departmental productions.

Corequisite: THTR 208D



**THTR 208A Acting Practicum 1 (0,3,0,0)**

Introductory practicum in which students perform in a departmental theatre production. Students must audition and be cast before enrolling in credits. May be repeated two times for credit.

Prerequisite: Students must audition and be cast before enrolling for credit.

**THTR 208C Costume Practicum 1 (0,3,0,0)**

Introduction to fundamentals of costume construction techniques through practical application. May be repeated two times for credit.

**THTR 208D Scenery Practicum 1 (0,3,0,0)**

Introduction to fundamentals of scenic and lighting stagecraft through practical application in the department's scene shop. May be repeated two times for credit.

**THTR 208E Special Topics Practicum 1 (0,3,0,0)**

Student serves in a special capacity for a departmental theatre production, e.g., stage manager, assistant stage manager, house manager, assistant director, master electrician, dramaturg, choreographer, etc. May be repeated two times for credit.

Prerequisite: Instructor approval

**THTR 211 Stage Makeup Design 3 (3,0,0,0)**

A study of designing and applying makeup for the stage/television/film, including exploration in theory, character analysis, materials, and techniques.

**THTR 214 Costume Technology 3 (3,0,0,0)**

Fundamentals of technical theatre production, with emphasis on familiarization with costume technology, and organization and construction techniques. A hands on experience in sewing, pattern use, and costume construction. This course requires participation in shop or run crews for departmental productions.

Corequisite: THTR 208C

**THTR 230 Voice and Movement for the Actor I 3 (3,0,0,0)**

Voice and movement technique for the actor. Focuses on developing alignment, coordination, strength, flexibility, and mobility of the actor's voice and body.

**THTR 231 Acting Studio I: Technique 3 (3,0,0,0)**

An intensive studio approach to introduce the student to the basic principles of acting and its artistry through vocal and physical awareness, character development and analysis, and scene study. This class is intended for declared Theatre majors or students pursuing the CoA in Acting.

Prerequisite: THTR 199 or Instructor approval.

**THTR 235 Design Aesthetics and Drafting for the Theatre 3 (3,0,0,0)**

Fundamentals of visual composition, design theory, and drafting techniques for the stage.

Prerequisite: THTR 199 and 204; or Instructor approval.

**THTR 247 Beginning Improvisation 3 (3,0,0,0)**

Exploration of basic theatrical improvisation for non-theatre majors. Focuses on spontaneity, creating environment, character development, and structure of a scene. Variety of theatrical styles and improvisational techniques explored. May be repeated four times for credit.

**THTR 255 Collaborative Theatre and Performance 3 (3,0,0,0)**

This course focuses on creating original theatrical pieces using new play development and devised theatre through the collaboration of playwrights, actors, and directors. Original theatrical pieces will be performed in the New Play Festival for CSN Theatre. Required: Night and weekend attendance during tech week and performances of New Play Festival. Intended for Theatre majors and those pursuing CoA in Acting. May be repeated four times for credit.

Prerequisite: THTR 199 and students must audition and be cast before enrolling for credit.

**THTR 280 Acting Studio I: Audition 3 (3,0,0,0)**

Students will prepare audition repertoire, prepare monologues and work on audition technique for auditions, cold readings, and call backs. Intended for Theatre majors and those pursuing the CoA in Acting.

Prerequisite: THTR 231 or Instructor approval.

**THTR 285 Acting Studio I: Private Coaching 1 (0,0,0,0.5)**

Private instruction of Theatre majors and those pursuing the CoA in Acting. Students will analyze and perform monologues and prepare audition repertoire. Required: Performance in THTR 275 and jury at the end of the semester. May be repeated up to 6 credits.

Prerequisite: THTR 199 and 231; or Instructor approval.

**Urban Studies****URST 210 Introduction to Policy Analysis 3 (3,0,0,0)**

Explores the nature of policy analysis and the methods used to analyze public policies, and the factors shaping the actual utilization of policy analysis. Examines the policy making process, including federal, state, and intergovernmental decision making, and policy dilemmas in various areas. Teaches basic policy analysis skills and the role of analysts in decision processes.





**URST 241 Governance in the United States:  
An Urban Focus 3 (3,0,0,0)**

This course will use a diverse set of learning experiences to present a general introduction to the principle components of governance in the United States. Completion of this course aids the student in understanding the relationship between individuals and their governments (with a focus on local government).

**URST 250 Local Government  
Administration 3 (3,0,0,0)**

American local governments have changed tremendously over the years. Constantly evolving and always colorful, they provide an opportune research setting. Provides an in-depth study of the political processes and administrative procedures used in local governments. Comparative analysis of relevant actors and strategies across communities is incorporated.

**Veterinary Technology****VETT 101B Introduction to Animal  
Health Technology 1 (1,0,0,0)**

Orientation to career field covering ethical and legal aspects, maintenance and treatment of animals, species and breed identification, professional organization/publications, and introduction to veterinary terminology.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 105B Veterinary  
Medical Terminology 1 (1,0,0,0)**

An introduction to word derivation and formation of medical terminology with emphasis on applications in veterinary medicine.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 110B Clinical Anatomy  
and Physiology I 4 (2,6,0,0)**

Study of the comparative anatomy of common domestic and selected exotic animals using the feline as the study animal. This course includes a laboratory section and it is required that the lecture and laboratory are successfully completed independently.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 112B Clinical Anatomy  
and Physiology II 4 (2,6,0,0)**

Continuation from VETT 110B of the study of the comparative anatomy and physiology of common domestic and selected exotic animals utilizing the feline as the study animal. This course includes a lecture and laboratory section. It is required that the lecture and laboratory are successfully completed independently.

Prerequisite: Admission to the Veterinary Technology Program and VETT 110B.

**VETT 125B Veterinary Office  
Clinic Procedures 2 (2,0,0,0)**

Roles and responsibilities of veterinary technicians in veterinary practice, along with instruction on scheduling, client relations, basic bookkeeping and business procedures, veterinary medical records, inventory control, personnel management, basic animal husbandry, and veterinary assisting.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 127B Basic Animal Nursing 4 (3,3,0,0)**

An introduction to the basics in veterinary medical nursing: animal husbandry, animal behavior, restraint, physical examination, medication administration (various routes), aseptic techniques and procedures, first aid, sanitation and disinfection, and hazards in veterinary practice.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 203B Veterinary Clinical/  
General Pathology 4 (3,3,0,0)**

Basic urinalysis, hematological evaluations, identification of common blood, internal and external parasites, basic serological testing, essentials of common companion animal diseases, necropsy techniques, and other related laboratory evaluations.

Prerequisite: Admission to Veterinary Technology Program.

Corequisite: VETT 209B.

**VETT 205B Diagnostic Imaging 2 (1,3,0,0)**

An introduction to the physics of x-rays and radiographic image production. Basic operation of imaging equipment with associated safety precautions, image processing, development of a technique chart, technique evaluation, principles of patient positioning, and alternative imaging techniques will be discussed.

Prerequisite: Admission to the Veterinary Technology Program.

**VETT 208B Lab Animal  
Science and Exotics 2 (1,3,0,0)**

Create a better understanding and wider knowledge of experimental methods and special procedures specific to research and non-companion animals. Regulatory and research requirements for their care, and treatment will be reviewed. Review of the anatomical and physiological characteristics of laboratory and exotic animals.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 209B Parasitology 1 (1,0,0,0)**

Familiarize the student with the most commonly encountered internal and external parasites of domestic animals. In part basic knowledge of parasitic life cycles and explore the intricacies of the host parasite relationship. Detail major diagnostic procedures necessary to identify important parasites. Describe the diseases, public health significance, and economic consequences of parasitic infection and infestation.

Prerequisite: Admission into the Veterinary Technology Program.

Corequisite: VETT 203.





**VETT 211B Animal Nutrition 2 (2,0,0,0)**

Normal and therapeutic nutritional needs of various species of animals and ration formulation are covered.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 225B Pharmacology and Toxicology 2 (2,0,0,0)**

Basics of veterinary pharmacology and toxicology; handling, storing and documenting controlled substances; vaccinology; routes and methods of drug administration based on a systems-oriented approach.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 227B Advanced Animal Nursing 4 (3,3,0,0)**

Continuing study of animal nursing practices with emphasis on advanced clinical procedures and patient care. Advanced techniques in animal restraint, first aid, bandaging techniques, wound management, fluid therapy, transfusion medicine, physical therapy, pain management, patient monitoring, neonatal care, medical and surgical nursing, and oncology will be covered.

Prerequisite: Admission to Veterinary Technology program and VETT 127.

**VETT 230B Principles of Asepsis 1 (1,0,0,0)**

An introduction to the principles of asepsis, preparation and operating room protocols and etiquette, surgical preparation of the patient and operating room personnel, and surgical instrumentation.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 235B Surgical, Anesthesia and Dental Procedures 4 (3,3,0,0)**

Introduction to preanesthesia, anesthesia support and pain management; continuation of veterinary surgical assisting and post-op care; veterinary dental procedures/techniques.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 240B Large Animal Procedures 2 (2,0,0,0)**

Veterinary procedures for large animals, restraint safety, nursing consideration, surgical preparation and assisting.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 250B Critical Care/ER 3 (2,3,0,0)**

An introduction to technical skills needed to care for critically ill patients. Supportive therapies and procedures for emergency care and discussion of types of emergencies that might be seen.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 260B Directed Clinical Practice I 2 (0,0,8,0)**

Development of clinical skills through direct clinical associations with specific cooperating veterinary practices.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 265B Directed Clinical Practice II 2 (0,0,8,0)**

Development of clinical skills through direct clinical associations with specific cooperating veterinary practices.

Prerequisite: Admission to Veterinary Technology Program.

**VETT 266B Directed Clinical Practice for Certificate of Achievement Students 2 (0,0,8,0)**

Animal health theory and skills applied in a clinical setting. Graded Pass/Fail.

Prerequisite: Admission to Veterinary Technology Alternate Program.

**VETT 299B Independent Study 1-4 (1-4,0,0,0)**

Covers selected topics of interest to veterinary technician students.

Prerequisite: Instructor approval.

**Videography****VID 100B Movies and Media 3 (3,0,0,0)**

Analysis of movies and media, the meaning of images and stories, cinematic narrative structure, genre criticism and auteur theory. A consideration of these core issues: What is film and what are its elements; What is film grammar? What are film stories, plots? How can we talk about films in ways that enrich our understanding and appreciation of both the art form and culture?

**VID 101B Film Directing Styles 3 (3,0,0,0)**

Analysis of the film director's craft; the director's relationship with key creative collaborators of the production team, directing techniques and styles, and sampling of representative cinematic movements.

**VID 102B World Cinema 3 (3,0,0,0)**

Survey of contemporary world cinema. Class also involves an examination of seminal movements in world cinema and the influence and impact of these movements on the history of cinema. We will view and engage in discussions about films from around the world – studying them from stylistic, historical, and economic perspectives.

**VID 103B American Independent Cinema 3 (3,0,0,0)**

This course studies the evolution of independent filmmaking through a close examination of cinematic and narrative styles, emerging technologies, independent financing, production budgets, exhibition, and distribution.

**VID 104B Introduction to American Cinema 3 (2,2,0,0)**

This course examines a deeper understanding of how television and movies communicate to an audience. Analysis of the creative process and film content will be investigated through home viewing of films, textbook readings, online screenplay readings, and online dialogue.





**VID 201B Sound for Video and Film 3 (2,2,0,0)**

Explores sound theory and the basics of motion picture production and post-production sound. This course will demonstrate the importance and impact of sound in film, and give students the opportunity to use digital audio recorders, microphones, and booms to successfully record sound for film and video. Post-production techniques such as foley, ADR, and sound effects will also be studied using various software applications.

**VID 202B Screenplay Adaptation 3 (3,0,0,0)**

Study of how to adapt previously existing source materials from other media (short story, novella, novel, theater play, true-life story, comic book, song lyric, video game, TV show) into cinematic/screenplay form. Also how to adapt/update/contemporize previously made films (American or foreign) into new works – remakes. Learning will involve case studies of illustrative types of films and readings of source material.

Prerequisite: VID 111B or Instructor approval.

**VID 203B Directing the Actor for Film 3 (2,2,0,0)**

This class analyzes the craft of directing actors for the film/video medium, and gives students a working knowledge of acting theory and practice from the director's point of view, as well as directing and choreographing actors specifically for the camera.

Prerequisite VID 110B or Instructor approval.

**VID 210B Videography and Film II 3 (2,2,0,0)**

Intermediate filmmaking techniques using portable video cameras and editing equipment. Stresses next step in production planning, lighting, directing, sound recording, editing, script writing, and sequence shooting techniques.

Prerequisite: VID 110B.

**VID 211B Film Screenwriting II 3 (2,2,0,0)**

Advanced techniques for finishing the screenplay with emphasis on plot structure, character development, rewriting scenes, sharpening and polishing dialogue. You will also learn to do script coverage. This class assumes students have a keen interest in films/TV and a desire to write feature length scripts.

Prerequisite: VID 111B or Instructor approval.

**VID 212B RED Camera Bootcamp 1 (0.5,2,0,0)**

Students will setup and operate a RED camera system. Additional emphasis will be on using 4K Raw files to obtain feature film quality image capture and post-production color grading using REDCINE-X software.

Prerequisite: VID 200B or Instructor approval.

**VID 213B Lighting for Video and Film 3 (2,2,0,0)**

Introduction to control and modification of natural light and studio applications of tungsten and quartz lighting equipment, as it applies to film and video. Lighting terminology, tools of the trade and lighting techniques for specific needs, like people, rooms, action and products will be taught.

Prerequisite: VID 110B with a C grade or better; and MATH 104B; or Instructor approval.

**VID 214B Adobe Speedgrade Bootcamp 1 (2,2,0,0)**

Theory and practical application of color correction and grading as part of a digital post-production workflow. Five-week course focuses on the essentials of using Adobe Premiere Pro and Adobe Speedgrade, and uses existing, near-complete editing projects. No shooting, capturing or editing will be performed in class. Lectures, demonstrations and class projects cover a variety of common situations which require color correction and grading. While portions of this class are non-exclusive in nature, much of this class is platform-specific. All necessary media will be supplied.

Prerequisite: VID 107B and 110B.

**VID 215B Video Editing II 3 (2,2,0,0)**

Advanced methods in non-linear editing. Skills will be developed further and moved towards the artistic side of editing. Practical application in story and theme manipulation will be among the course projects including story manipulation through editing decisions. Editing and manipulation of existing material will be required during the course. While the editing software used will be Adobe Premiere Pro, instruction will be non-exclusive in nature.

Prerequisite: VID 115B and Instructor approval.

**VID 216B Documentary Film Production II 3 (2,2,0,0)**

Intermediate principles of documentary film making with emphasis on producing and shooting in the Electronic News Gathering (ENG) style. Each student will create two short documentary films.

Prerequisites: VID 110B or Instructor approval.

**VID 217B Event Videography 3 (2,2,0,0)**

Topical event programs produced from pre-production to post-production with emphasis on client/producer interaction, deal memos, industry release forms, and music copyright.

Prerequisite: VID 200B or Instructor approval.

**VID 218B Sound for Video and Film II 3 (2,1,0,0)**

This course moves beyond the principles of capturing and editing audio elements in VID 201B by emphasizing the manipulation of sound elements for the purpose of enhancing sonic output. Manipulate and process sound elements through the use of synthesizers and other digital software platforms to create more depth to projects. Focuses on placement of the overall sonic theme of a film project.

Prerequisite: VID 201B or Instructor approval.

**VID 219B Production Design for Film and TV 3 (2,1,0,0)**

Focuses on the decisions production designers make in developing the concepts for narrative film and television. Employ intuitive analysis and visual storytelling theory. Incorporate schematic analysis techniques, mood & tone reference materials, color and materials boards, thumbnails, freehand sketches, and scale models. Also covers what production designers do to move a design concept from script to drawing board, what inspires their aesthetic choices, and how designs evolve.

Prerequisite: VID 110B or Instructor approval.



**VID 220B Cinematography II 3 (2,2,0,0)**

An advanced investigation into the visual language and technical aspects of motion picture film and digital filmmaking. This course places additional emphasis on Super 16mm film, HD cameras, lighting and grip equipment. In addition, techniques for assuring the highest possible quality image and sound.

Prerequisite: VID 200B or Instructor approval.

**VID 221B Adobe Encore Bootcamp 1 (0.5,2,0,0)**

Practical application and use of Adobe's DVD Authoring program. Five-week course focuses on the essentials of using Adobe Premiere Pro, Adobe After Effects, and Adobe Encore using existing, completed editing projects. No shooting, capturing, or editing will be performed in class. Lectures, demonstrations, and class projects cover a variety of information relating to the DVD authoring workflow. Students will create from scratch an entire DVD project, complete with custom, full motion menus. All necessary media will be supplied. Familiarity with Adobe Premiere Pro is required, and a working knowledge of Adobe After Effects is recommended.

Prerequisite: VID 107B and 115B.

**VID 222B Producer Bootcamp 1 (0.5,2,0,0)**

The Producer's Class is a course on the fundamentals of motion picture producing. This course will have a strong emphasis on projects with a micro/mini budget, and will focus on production conception, management, and delivery of a picture to the marketplace.

Prerequisite: VID 110B

**VID 250B Motion Graphics for Video and Film 3 (2,2,0,0)**

Advanced digital editing and compositing techniques featuring Adobe's After Effects, and Adobe's Photoshop. This course provides an overview of the entire workflow, from import to export, as well as detailed coverage of each stage, including hands-on experience of 2D compositing techniques, animation, titles, graphic overlays, masking, and color correction.

Prerequisite: VID 115B or Instructor approval.

**VID 251B Visual Effects for Video and Film 3 (2,1,0,0)**

Basic theory, history, and practice of creating special visual effects for film. Live-action footage will be shot on green screen to study proper techniques to capture and track footage to add special effects in post-production. Employ applications such as Photoshop, After Effects, Element 3D, Blender, and Mocha AE to create visual effects to enhance student films. Develop chroma key, compositing, rotoscoping techniques, and 3D compositing skills.

Prerequisite: VID 110B or Instructor approval.

**VID 260B Adobe Production Suite Integration 3 (2,2,0,0)**

Practical application and use of Adobe Production Suite, focusing on unlocking the power of this collection of programs by exploring Adobe's Dynamic Link. Instruction, demonstrations, and class projects will feature partially completed sequences, which students will finish using Adobe Premiere Pro as their starting point. Completing projects will require incorporating Adobe's other programs such as After Effects, Photoshop, Encore, Audition, Speedgrade, and Media Encoder and integrating them into a single, cohesive workflow. No shooting or capturing will be performed in class. All necessary media will be supplied.

Prerequisite: VID 107B and 115B.

**VID 262B Rock Video Production 3 (2,2,0,0)**

This course covers the basics of conceptualizing and producing a concert/performance style Rock music video from beginning to end. Proper camera placement and lighting as well as timing of visual elements to fit musical pace will be emphasized. Editing techniques of successful music videos with regard to artistic flair and production design will be studied. All of these skillsets will be used in the production of one or more rock videos.

Prerequisite: VID 110B and 200B.

**VID 263B Wedding Videography 3 (2,2,0,0)**

Basic video techniques, use of portable equipment, and in-camera editing techniques for wedding videography. Stresses camera usage, production planning, storyboarding, lighting, directing and editing with commercial photography/wedding applications.

Prerequisite: VID 110B and 200B; or Instructor approval.

**VID 285B Videography and Film Internship 1-4 (0,0,0,1-4)**

On-the-job experience performing work projects reflecting industry assignments for which academic credit is earned.

Prerequisite: Instructor permission.

**VID 289B Special Topics for Video and Film 1-3 (0,3-9,0,0)**

Special topics related to Videography and Film. Topics will vary depending on student and industry demand. This course may be repeated up to a maximum of nine credits.

Prerequisite: VID 110B.

**VID 290B Video Portfolio 3 (2,2,0,0)**

Provides an opportunity for highly-motivated students capable of self-directed study in creating original moving image works in a range of genres. The instructor will facilitate in-class critiques and provide conceptual, aesthetic, and technical feedback and support on an individual basis for the development and manufacture of a useful video portfolio. For Videography and Film majors only.

Prerequisite: Instructor approval.





## Welding

### **WELD 100B Introduction to Welding 4 (3,3,0,0)**

Provides classroom and laboratory instruction in basic welding and cutting procedures with an introduction into each process using related lab exercises. Emphasis placed on proper set up and use of welding machines and the related tools used in industry. Introduces students to the importance and application of safety procedures in a welding environment. Students will set and adjust various machines, torches and tools as well as understand their functionality, limits and capabilities in a safe work environment.

### **WELD 115B Welding Inspection and Testing Principles 3 (2,2,0,0)**

Provides classroom and laboratory instruction in common destructive and non-destructive testing methods used to determine the quality and soundness of welds.

### **WELD 116B Ultrasonic Non-destructive Testing - Level I 3 (2,2,0,0)**

Covers ultrasonic testing of material, including theory, terminology, principles, and applications. Course meets 40-hour requirement for ASNT Level I Inspector.

Prerequisite: WELD 115B.

### **WELD 130B Welding Support Equipment Operations 3 (2,2,0,0)**

Covers service, set up, operation and troubleshooting of welding support equipment including: ironworkers, drill presses, mag drills, grinders, bandsaws, cranes and rigging.

### **WELD 131B Blueprint Reading, Layout and Sketching 3 (3,0,0,0)**

Provides instruction in the interpretation, reading and understanding of blueprints, drawings, weld symbols, fabrication layout and free hand sketching commonly used in the welding trade.

### **WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations 2 (1,3,0,0)**

Provides classroom and laboratory instruction in oxy/fuel, plasma and CAC-A cutting applications. Topics include lay-out, base metal preparation, and machine and hand cutting operations.

### **WELD 133B SMAW (Stick) 4 (1,6,0,0)**

Provides classroom and laboratory instruction in skill development and proficiency of Shielded Metal Arc Welding of mild steel plate in all positions.

### **WELD 134B GTAW (Tig) 4 (1,6,0,0)**

Provides classroom and laboratory instruction in the proper techniques, skill development and proficiency of GTA Welding of mild steel, aluminum and stainless steel gage material in various positions.

### **WELD 135B GMAW (Mig) 2 (1,3,0,0)**

Provides classroom and laboratory instruction in the proper techniques, skill development and proficiency of GMAW of mild steel and aluminum in various positions.

### **WELD 137B FCAW (Flux Core) 2 (1,3,0,0)**

Provides classroom and laboratory instruction in the proper techniques, skill development and proficiency of FCAW-S and FCAW-G of mild steel in various positions.

### **WELD 154B D1.1 Structural Welding Code 3 (3,0,0,0)**

Provides extensive classroom instruction on the AWS D1.1 Structural Welding Code, covering topics such as Procedure Qualification Records, Weld Procedure Specifications, welded connections, fabrication and inspection.

### **WELD 214B Fabrication Layout 3 (1,4,0,0)**

Provides instruction on basic fabrication principles, safety, measurement, layout techniques using blueprints and weld symbols and the use of common fabrication tools and associated equipment.

Prerequisite: WELD 131B and 132B and 133B; or Instructor approval.

### **WELD 218B Pipe Welding Procedures 4 (1,6,0,0)**

Provides instruction on the proper techniques, skill development and proficiency of pipe welding using SMAW fillet and pipe groove welds on plate/pipe in all positions.

Prerequisite: WELD 133B or Instructor approval.

### **WELD 219B Ornamental Iron 3 (1,6,0,0)**

This class is designed for the do-it-yourself individual who wishes to use his or her knowledge of welding as an addition to his/her own field in the art of ornamental iron fabrication.

### **WELD 223B Special Topics in Welding Technology 2-6 (1-5,3-6,0,0)**

Custom designed course content in welding technology with variable credit for managers, technicians, engineers, labor groups and others. Variable start times and dates.

### **WELD 240B Advanced GTAW 4 (1,6,0,0)**

Provides instruction on the proper techniques and skill development of advanced GTAW with emphasis on pipe fillet and groove welds on plate/pipe in various positions.

### **WELD 270B Welding Certification Preparation 1 (0,2,0,0)**

This course prepares experienced welders for qualification (certification) to welding codes AWS, ASME IX, and API 1104. May be taken up to a maximum of four credits.

Prerequisite: Instructor approval.





## Women's Studies

### **WMST 101 Introduction to Women's Studies 3 (3,0,0,0)**

Introduces the methods and concerns of women's studies drawing from history, psychology, sociology, law and language concerns.

### **WMST 113 Gender, Race, and Class 3 (3,0,0,0)**

Interdisciplinary, cross-cultural survey of the ways in which gender interacts with race, age, class, and sexuality to shape human consciousness and determine the social organization of human society.

### **WMST 113H Gender, Race, and Class – Honors 3 (3,0,0,0)**

Interdisciplinary, cross-cultural survey of the ways in which gender interacts with race, age, class, and sexuality to shape human consciousness and determine the social organization of human society. Emphasis on interactive learning entailing an examination of the self and one's environment through the use of reflective writing and dialogue.

Prerequisite: Admission to the Honors program.

### **WMST 180 The Economics of Discrimination 3 (3,0,0,0)**

The Discrimination of Economics investigates the economic causes, effects, and remedies of discrimination based on categories such as age, ethnicity, gender, religion, national origin, or sexuality. (Same as ECON 180.)

### **WMST 247 Philosophy and Women 3 (3,0,0,0)**

Variety of philosophical writings by or about women, from Plato to the present, focusing on such key concepts as nature, equality, dignity, freedom, love and self-realization. May include feminist critiques of the Western philosophical tradition. (Same as PHIL 247.)

### **WMST 250 Introduction to Feminist Theory 3 (3,0,0,0)**

American feminist thought in its diversity, examining the differences among liberal, radical, Marxist, socialist, psychoanalytic, and postmodern feminism and the challenges to each posed by women of color.

### **WMST 255 The American Women's Movement 3 (3,0,0,0)**

Introduction to American women's history and politics focusing on race, gender, and class relations, and the legal and economic status of women.

### **WMST 275 Introduction to Marriage and Family 3 (3,0,0,0)**

Survey of issues in the sociology of the family including the intersection of race/ethnicity, class, and gender. (Same as SOC 275.)

### **WMST 285 History of Witchcraft 3 (3,0,0,0)**

The study of the figure of the witch from ancient times to the present, and the historical, religious, and social context from which it emerged. The course includes Paleolithic and Neolithic religion, witches in ancient cultures, formulation of the Christian witch concept, the witch hunt in Early Modern Europe and in the British North American colonies, and modern Neo-Pagan witchcraft. (Same as HIST 285.)

### **WMST 286 Goddess Traditions 3 (3,0,0,0)**

A study of goddess images in a variety of cultures from prehistory to the modern age including the history, values, beliefs, practices, and ethics systems associated with goddess imagery. (Same as HIST 286.)

### **WMST 295 Special Topics 1-3 (1-3,0,0,0)**

Intensive study of a major topic in women's studies. May be repeated to a maximum of 6 credits.

## Water/Wastewater Treatment

### **WWT 101B Wastewater Treatment I 3 (3,0,0,0)**

This course will cover the safe operation of municipal wastewater treatment facilities. Topics include flow measurement, screening, grit removal, sedimentation basins, solids handling, secondary biological processes and disinfection.

### **WWT 102B Wastewater Treatment II 3 (3,0,0,0)**

This course will cover conventional activated sludge, solids handling, effluent disposal, laboratory procedures, analysis and presentation of data, records and record keeping.

Prerequisite: WWT 101B.

### **WWT 103B Environmental Laws and Regulations 3 (3,0,0,0)**

This course will provide an overview of the development and contents of current federal, state and local laws, regulations and ordinances that control the handling, storage, and disposal of hazardous materials and wastes.

### **WWT 105B Water Treatment Operations I 3 (3,0,0,0)**

This course will cover the safe operation of water treatment facilities. Topics include waste resources, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, corrosion control and taste and odor control.

### **WWT 106B Water Treatment Operations II 3 (3,0,0,0)**

This course will emphasize the skills needed by operators of conventional surface water treatment facilities, including operator's responsibilities for the administration and management of treatment facilities.

Prerequisite: WWT 105B.



**WWT 110B Introduction to Hazardous Materials Management 3 (3,0,0,0)**

This course will provide a general overview of the hazardous materials management industry with emphasis on hazardous materials, hazardous waste, laws and regulations, and its effects on the environment and worker health and safety.

**WWT 115B Water/Wastewater Mathematics I 3 (3,0,0,0)**

This course will cover mathematical skills used routinely in the water and wastewater treatment industry, including areas, volumes, flows, velocities, loading rates and dosages.

Prerequisite: WWT 101B or WWT 105B.

Corequisite: MATH 104B.

**WWT 120B Pump Operation and Maintenance 3 (3,0,0,0)**

This course will cover the operation and maintenance of pumps, motors and valves in water and wastewater treatment facilities including collection and distribution systems.

**WWT 201B Wastewater Treatment III 3 (3,0,0,0)**

This course will cover odor control, activated sludge, operational control alternatives, solids handling and disposal, phosphorus removal, nitrogen removal, and wastewater reclamation.

Prerequisite: WWT 102B.

**WWT 205B Water Distribution 3 (3,0,0,0)**

This course will cover the safe operation and maintenance of water treatment facilities. Topics include storage facilities, distribution facilities, water quality considerations, disinfection and safety.

**WWT 210B Industrial Pretreatment Inspections 3 (3,0,0,0)**

This course will provide an overview of the safe and efficient procedures of industrial facilities pretreatment inspections and to provide industrial users with an understanding of local limit requirements.

**WWT 215B Water/Wastewater Mathematics II 3 (3,0,0,0)**

This course will include calculation for treatment efficiencies, pumping rates and pump calibration, horsepower, effluent disposal, solids handling and activated sludge.

Prerequisite: WWT 115B.

**WWT 220B Water Quality Analysis 4 (2,4,0,0)**

This course will cover lab tests required for water and wastewater treatment process control, including analytical procedures, quality control, and interpretation of data.

Prerequisite: WWT 101B or 105B; and WWT 115B.

**WWT 225B Wastewater Collection Systems 3 (3,0,0,0)**

This course will cover wastewater collection systems operators and managers, including operation, maintenance, design, construction, pumps, motors and safety procedures. This course is oriented towards the wastewater collection certification exam.

Prerequisite: WWT 215B.

**WWT 230B Current Issues 3 (3,0,0,0)**

Discussion of current issues in the field of water and wastewater technology.

Prerequisite: COM 115.



## SKILLS CERTIFICATES

Skills certificates are intended to provide preparation necessary to take state, national, and/or industry recognized certification or licensing examinations. Some may also serve as a stackable credential within existing associate degree tracks. Skills Certificates are less than 30 credit hours and are more narrow in focus than Certificates of Achievement. Please note that while skills certificates provide the instruction and training, CSN does not guarantee a student will pass the intended certification or licensing exam.

Upon successful completion of all course requirements, skills certificates will appear at the end of the final semester on the transcript, however diplomas are not issued for Skills Certificates.

### Apprenticeship Skills Certificates

#### BRICKLAYER - JOURNEYMAN

Courses Required		Credits
BRL 101B	Bricklayers' Apprentice I	4
BRL 102B	Bricklayers' Apprentice IB	4
BRL 105B	OSHA/First Aid/CPR for Bricklayers	3
BRL 151B	Bricklayers' Apprentice II	4
BRL 152B	Bricklayers' Apprentice IIB	4
BRL 201B	Bricklayers' Apprentice III	4
BRL 202B	Bricklayers' Apprentice IIIB	4
<b>Total:</b>		<b>27</b>

#### CEMENT MASON - JOURNEYMAN

Courses Required		Credits
CMA 111B	Cement Mason Apprentice I	4
CMA 112B	Cement Mason Apprentice IB	3
CMA 141B	Cement Mason Apprentice II	3
CMA 142B	Cement Mason Apprentice IIB	4
CMA 201B	Cement Mason Apprentice III	3
CMA 202B	Cement Mason Apprentice IIIB	4
CMA 251B	Cement Mason Apprentice IV	3
CMA 252B	Cement Mason Apprentice IVB	4
<b>Total:</b>		<b>28</b>

#### FLOOR COVERER - JOURNEYMAN

Courses Required		Credits
FLCV 100B	Introduction to the Union and Construction Trade	1
FLCV 111B	Introduction to the Flooring Trade	3
FLCV 121B	Floor Installation Process	5
FLCV 131B	Carpet Installation Process	5
FLCV 141B	Special Floors and Finishes	3
FLCV 200B	Math for Floor Coverers	2
FLCV 211B	Drawings (Blueprints) for Floor Coverers	2
FLCV 221B	Safety Awareness	4
FLCV 231B	Leadership	2
<b>Total:</b>		<b>2</b>

#### PAINTER - JOURNEYMAN

Courses Required		Credits
PTD 101B	Painting/Decorating Apprentice I	4
PTD 102B	Painting/Decorating Apprentice IB	4
PTD 105B	OSHA 10/First Aid/CPR	1
PTD 151B	Painting/Decorating Apprentice II	4
PTD 152B	Painting/Decorating Apprentice IIB	4
PTS 155B	Respirators/Lead Abatement	1
PTD 201B	Painting/Decorating Apprentice III	4
PTD 202B	Painting/Decorating Apprentice IIIB	4
PTD 205B	Heavy Equipment Operation	1
PTD 255B	COMET	1
<b>Total:</b>		<b>28</b>

#### RESIDENTIAL WIREMAN - JOURNEYMAN

Courses Required		Credits
ELEC 115B	Residential Apprentice I	4
ELEC 116B	Residential Apprentice II	4
ELEC 117B	Residential Apprentice III	4
ELEC 118B	Residential Apprentice IV	4
ELEC 119B	Residential Apprentice V	4
ELEC 120B	Residential Apprentice VI	4
ELEC 127B	Mobile Equipment Safety	1
ELEC 137B	OSHA 30	2
<b>Total:</b>		<b>27</b>

#### TEAMSTERS - JOURNEYMAN

Courses Required		Credits
TMST 100B	OSHA General Industry Class	1
TMST 120B	Introduction to the Convention Industry	2
TMST 130B	Beginning Decorating	2
TMST 140B	Beginning Systems	1
TMST 150B	Beginning Design and Repair	2
TMST 160B	Beginning Installation and Dismantle	2
TMST 170B	Forklift Theory	3
TMST 200B	Advanced Forklift	3
TMST 220B	Advanced Installation and Dismantle	3
TMST 230B	Lead Foreman Training	2
TMST 240B	First Aid/CPR	1
TMST 250B	Condor Operating	3
TMST 260B	Rigging	1
TMST 270B	Scissor Lift	1
<b>Total:</b>		<b>27</b>

#### TILE SETTER - JOURNEYMAN

Courses Required		Credits
TLS 101B	Tile Setter Apprentice I	4
TLS 102B	Tile Setter Apprentice IB	4
TLS 105B	OSHA/First Aid/CPR for Tile Setters	3
TLS 151B	Tile Setter Apprentice II	4
TLS 152B	Tile Setter Apprentice IIB	4
TLS 201B	Tile Setter Apprentice III	4
TLS 202B	Tile Setter Apprentice IIIB	4
<b>Total:</b>		<b>27</b>



**Bricklayers**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: BRCKTD-AAS

**PROGRAM DESCRIPTION**

This degree prepares students for employment as a Journeyman Bricklayer with the Bricklayers Union. **This is a restricted entry program. Students MUST be indentured in the Bricklayers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable bricklayer tools.
- Comprehend and utilize formulas used in the calculations of all phases of brick laying.
- Demonstrate the ability to troubleshoot and repair any problems that arise with brick laying installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (33 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (6 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (6 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (8 credits)**

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

BRL 101B	Bricklayers' Apprentice I	4
BRL 102B	Bricklayers' Apprentice IB	4
BRL 105B	OSHA/First Aid/CPR for Bricklayers	3
BRL 151B	Bricklayers' Apprentice II	4
BRL 152B	Bricklayers' Apprentice IIB	4
BRL 201B	Bricklayers' Apprentice III	4
BRL 202B	Bricklayers' Apprentice IIIB	4

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any BRL journeyman course offered for credit may be substituted for any of the above BRL apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Bricklayers' Trade Associate of Applied Science Degree if they are affected by the retroactive six year rule.



**Bricklayers**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: BRCKTD-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Bricklayer with the Bricklayers Union. **This is a restricted entry program. Students MUST be indentured in the Bricklayers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable brick laying tools.
- Comprehend and utilize formulas used in the calculations of all phases of brick laying.
- Comprehend the ability to troubleshoot and repair any problems that arise with brick laying installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

<b>BRL 101B</b>	Bricklayers' Apprentice I	4
<b>BRL 102B</b>	Bricklayers' Apprentice IB	4
<b>BRL 105B</b>	OSHA/First Aid/CPR for Bricklayers	3
<b>BRL 151B</b>	Bricklayers' Apprentice II	4
<b>BRL 152B</b>	Bricklayers' Apprentice IIB	4
<b>BRL 201B</b>	Bricklayers' Apprentice III	4
<b>BRL 202B</b>	Bricklayers' Apprentice IIIB	4

Computation included in BRL 101B, 102B, 151B, 152B, 201B, 202B

Human Relations included in BRL 101B, 102B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any BRL journeyman course offered for credit may be substituted for any of the above BRL apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Bricklayers' Certificate of Achievement if they are affected by the retroactive six year rule.





**Carpentry**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CART-AAS

**PROGRAM DESCRIPTION**

This degree prepares students for employment as a Journeyman Carpenter with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable carpentry tools.
- Comprehend and utilize formulas used in the calculations of all phases of carpentry work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with carpentry installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (6-7 credits)**

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)****CORE REQUIREMENTS**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 105B	Basic Wall Framing	1.5
CPT 107B	Print Reading	2
CPT 109B	Basic Roof Framing	1.5
CPT 111B	Wall Forming	1.5
CPT 113B	Doors and Door Frames	1.5
CPT 115B	Transit Level/Laser	2
CPT 117B	Foundations and Flat Work	1.5
CPT 119B	Bridge Construction	1.5
CPT 121B	Stair and Ramp Forming	1.5
CPT 123B	Beam and Deck Forming	1.5
CPT 125B	Cabinet Millwork and Assembly	1.5
CPT 127B	Commercial Floor Framing	1.5
CPT 129B	Advanced Print Reading	2
CPT 131B	Cabinet Installation	2

**CHOOSE ELECTIVES (8 credits)**

CPT 133B	Moldings and Trim	1.5
CPT 135B	Tilt-Up Panel Construction	1.5
CPT 137B	Rigging	2
CPT 141B	Basic Metal Framing	1.5
CPT 143B	Door and Door Hardware	1.5
CPT 145B	Scaffold Erector Qualification	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any CPT journeyman course offered for credit may be substituted for any of the above CPT apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Carpentry Trade Associate of Applied Science if they are affected by the retroactive six year rule.



**Carpentry**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: CART-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Carpenter with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable carpentry tools.
- Comprehend and utilize formulas used in the calculations of all phases of carpentry work.
- Comprehend the ability to troubleshoot and repair any problems that arise with carpentry installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 105B	Basic Wall Framing	1.5
CPT 107B	Print Reading	2
CPT 109B	Basic Roof Framing	1.5
CPT 111B	Wall Forming	1.5
CPT 113B	Doors and Door Frames	1.5
CPT 115B	Transit Level/Laser	2
CPT 117B	Foundations and Flatwork	1.5
CPT 119B	Bridge Construction	1.5
CPT 121B	Stair and Ramp Forming	1.5
CPT 123B	Beam and Deck Forming	1.5
CPT 125B	Cabinet Millwork and Assembly	1.5
CPT 127B	Commercial Floor Framing	1.5
CPT 129B	Advanced Print Reading	2
CPT 131B	Cabinet Installation	2

Computation included in CPT 105B, 109B, 117B, 121B

Human Relations included in CPT 102B, 104B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any CPT journeyman course offered for credit may be substituted for any of the above CPT apprentice courses. Please contact the program coordinator for more details.

Special consideration will be given students who complete the Carpentry Trades Certificate of Achievement if they are affected by the retroactive six year rule.



# Cement Mason

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: CEMENT-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Cement Mason with the Cement Masons Union. **This is a restricted entry program. Students MUST be indentured in the Cement Masons Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable masonry tools.
- Comprehend and utilize formulas used in the calculations of all phases of masonry work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with cement masonry installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (6 credits)

COM 101, 215; ENG 101

### HUMAN RELATIONS (3 credits)

MGT 100B or PSY 101 or SOC 101

### NATURAL SCIENCE (8 credits)

EGG 131 and 132

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

CMA 111B	Cement Mason Apprentice I	4
CMA 112B	Cement Mason Apprentice IB	3
CMA 141B	Cement Mason Apprentice II	3
CMA 142B	Cement Mason Apprentice IIB	4
CMA 201B	Cement Mason Apprentice III	3
CMA 202B	Cement Mason Apprentice IIIB	4
CMA 251B	Cement Mason Apprentice IV	3
CMA 252B	Cement Mason Apprentice IVB	4
PLCM 270B	OSHA 30	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any CMA journeyman course offered for credit may be substituted for any of the above CMA apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Cement Mason Apprentice Associate of Applied Science Degree if they are affected by the retroactive six year rule.



**Cement Mason**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: CEMENT-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Cement Mason with the Cement Masons Union. **This is a restricted entry program. Students MUST be indentured in the Cement Masons Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable masonry tools.
- Comprehend and utilize formulas used in the calculations of all phases of masonry work.
- Comprehend the ability to troubleshoot and repair any problems that arise with cement masonry installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

CMA 111B	Cement Mason Apprentice I	4
CMA 112B	Cement Mason Apprentice IB	3
CMA 141B	Cement Mason Apprentice II	3
CMA 142B	Cement Mason Apprentice IIB	4
CMA 201B	Cement Mason Apprentice III	3
CMA 202B	Cement Mason Apprentice IIIB	4
CMA 251B	Cement Mason Apprentice IV	3
CMA 252B	Cement Mason Apprentice IVB	4

Computation included in CMA 141B, 142B

Human Relations included in CMA 111B, 112B, 142B, 201B, 202B, 251B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any CMA journeyman course offered for credit may be substituted for any of the above CMA apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Cement Mason Certificate of Achievement if they are affected by the retroactive six year rule.



## Drywall Applicator

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: DWA-AAS

### PROGRAM DESCRIPTION

This degree prepares the students for employment as a Journeyman Drywall Applicator with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable drywall applicator tools.
- Comprehend and utilize formulas used in the calculations of all phases of drywall applicator work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in drywall applicator work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

#### MATHEMATICS (3 credits)

MATH 116

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

#### NATURAL SCIENCE (6-7 credits)

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

#### CORE REQUIREMENTS (27 credits)

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 113B	Door and Door Frames	1.5
CPT 129B	Advanced Print Reading	2
DWA 105B	Basic Metal Framing	1.5
DWA 109B	Basic Lathing	1.5
DWA 111B	Drywall Application	1.5
DWA 113B	Drywall Application/Finish Trims	1.5
DWA 115B	Framing Ceilings and Soffits	1.5
DWA 117B	Framing Curves and Arches	1.5
DWA 119B	Framing Suspended Ceilings	1.5
DWA 121B	Advanced Metal Framing	1.5
DWA 125B	Drywall/Acoustical Ceilings	1.5
DWA 129B	Free-Form Lathing	2
DWA 131B	Light Gage Welding - AWS	2
<b>CHOOSE ELECTIVES (8 credits)</b>		8
CPT 137B	Rigging	2
CPT 145B	Scaffold Erector Qualification	2
DWA 139B	Light Gage Welding - AWS A	1.5
DWA 141B	Exterior Insulation Finish Systems - EIFS	1.5
DWA 143B	Door and Door Frames	1.5
DWA 145B	Transit Level/Laser	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any DWA journeyman course offered for credit may be substituted for any of the above DWA apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Drywall Applicator Associate of Applied Science Degree if they are affected by the retroactive six year rule.





# Drywall Applicator

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: DWA-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Drywall Applicator with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable drywall applicator tools.
- Comprehend and utilize formulas used in the calculations of all phases of drywall applicator work.
- Comprehend the ability to troubleshoot and repair any problems that arise with drywall applicator installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 113B	Doors and Door Frames	1.5
CPT 129B	Advanced Print Reading	2
DWA 105B	Basic Metal Framing	1.5
DWA 109B	Basic Lathing	1.5
DWA 111B	Drywall Application	1.5
DWA 113B	Drywall Installation/Finish Trims	1.5
DWA 115B	Framing Ceilings and Soffits	1.5
DWA 117B	Framing Curves and Arches	1.5
DWA 119B	Framing Suspended Ceilings	1.5
DWA 121B	Advanced Metal Framing	1.5
DWA 125B	Drywall/Acoustical Ceilings	1.5
DWA 129B	Free-Form Lathing	2
DWA 131B	Light Gage Welding - AWS	2

Computation included in DWA 117B

Human Relations included in CPT 102B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any DWA journeyman course offered for credit may be substituted for any of the above DWA apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Drywall Applicator Certificate of Achievement if they are affected by the retroactive six year rule.



**Environmental and Construction Laborer**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: LBCONT-AAS

**PROGRAM DESCRIPTION**

This degree prepares the student for employment as a Journeyman Laborer with the Laborers Union. **This is a restricted entry program. The student MUST be indentured in the Laborers’ Environmental and Construction Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable Laborer tools.
- Comprehend and utilize formulas used in the calculations of all phases of Laborer work.
- Demonstrate the ability to troubleshoot and repair any problems that may arise in Laborer work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (8 credits)**

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 100; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTION (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)**

**CORE REQUIREMENTS (14 credits)**

APP 102B	Introduction to Apprentice Craft	4
APP 104B	General Construction	4
APP 105B	Concrete Flat Work	2

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

APP 107B	Concrete Walls and Columns Work	2
APP 127B	Rigging and Signaling	2
<b>CHOOSE ELECTIVES (19 credits)</b>		
APP 108B	Body Mechanics and Fall Protection	1
APP 120B	Confined Space Awareness	2
APP 121B	Line and Grade	4
APP 122B	Oxyfuel Gas Cutting	4
APP 123B	Blueprint Reading for Laborers	3
APP 128B	Asphalt	2
APP 130B	Hazardous Waste Handling for Laborers	4
APP 132B	Radiation	1
APP 134B	Lead Abatement	2
APP 136B	Asbestos Abatement	2
APP 137B	Pipe Laying (Gravity Flow)	2
APP 139B	Pipe Laying (Pressurized)	2
APP 140B	Scaffold Building	2
APP 142B	Forklift Operations and Awareness	1
APP 144B	Operation of Motor Driven Power Equipment	1
APP 146B	Operation of Concrete Core Drilling Saw Cutting and Compaction Equipment	1
APP 150B	Mason Tending (Trowel)	2
APP 152B	Plaster Tending (Mixing)	2
APP 160B	Miners Preparedness and Awareness	4
APP 162B	Drilling and Blasting	4
APP 164B	Pneumatic Air Tool Handling	2
APP 166B	Mine Rescue	1
APP 168B	Microbial Remediation	1
APP 200B	OSHA for Laborers	2
APP 212B	Foreman Preparedness	2
APP 263B	Weatherization Installation Technician	5
APP 266B	Weatherization Supervisor	3
APP 269B	Weatherization Energy Auditor	3

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any APP journeyman course offered for credit may be substituted for any of the above APP apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Laborer Trades’ Associate of Applied Science Degree if they are affected by the retroactive six year rule.



## Environmental and Construction Laborer

### CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: LBCONT-CT

#### PROGRAM DESCRIPTION

This program prepares the student for employment as a Journeyman Laborer with the Laborers Union. **This is a restricted entry program. The student MUST be indentured in the Laborers' Environmental and Construction Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

#### STUDENT LEARNING OUTCOMES

- Demonstrate an understanding of all OSHA regulations and concrete codes applicable to laborers.
- Demonstrate an understanding of sealing the building envelope in determining what weatherization solutions are applicable.
- Demonstrate an understanding of how to recognize hazardous building materials containing asbestos and/or lead.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

##### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

##### CORE REQUIREMENTS (14 credits)

APP 102B	Introduction to Apprentice Craft	4
APP 104B	General Construction	4
APP 105B	Concrete Flat Work	2
APP 107B	Concrete Walls and Columns Work	2
APP 127B	Rigging and Signaling	2

#### SPECIAL PROGRAM REQUIREMENTS CONTINUED

##### CHOOSE ELECTIVES (13 credits)

APP 108B	Body Mechanics and Fall Protection	1
APP 120B	Confined Space Awareness	2
APP 121B	Line and Grade	4
APP 122B	Oxyfuel Gas Cutting	4
APP 123B	Blueprint Reading for Laborers	3
APP 128B	Asphalt	2
APP 130B	Hazardous Waste Handling for Laborers	4
APP 132B	Radiation	1
APP 134B	Lead Abatement	2
APP 136B	Asbestos Abatement	2
APP 139B	Pipe Laying (Pressurized)	2
APP 140B	Scaffold Building	2
APP 142B	Forklift Operations and Awareness	1
APP 144B	Operation of Motor Driven Power Equipment	1
APP 146B	Operation of Concrete Core Drilling, Saw Cutting and Compaction Equipment	1
APP 150B	Mason Tending (Trowel)	2
APP 152B	Plaster Tending (Mixing)	2
APP 160B	Miners Preparedness and Awareness	4
APP 162B	Drilling and Blasting	4
APP 164B	Pneumatic Air Tool Handling	2
APP 166B	Mine Rescue	1
APP 168B	Microbial Remediation	1
APP 200B	OSHA for Laborers	2
APP 212B	Foreman Preparedness	2
APP 263B	Weatherization Installation Technician	5
APP 266B	Weatherization Supervisor	3
APP 269B	Weatherization Energy Auditor	3

Computation included in APP 104B, 105B, 107B, 120B, 121B

Human Relations included in APP 102B, 212B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any APP journeyman course offered for credit may be substituted for any of the above APP apprentice course. Contact the program coordinator for details. Special consideration will be given students who complete the Laborer Trades' Certificate of Achievement if they are affected by the retroactive six year rule.



## Equipment Operators

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPEEQP-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Operating Engineer with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable Operating Engineers' tools.
- Comprehend and utilize formulas used in the calculations of all phases of Operating Engineers' work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in Operating Engineers' work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

#### MATHEMATICS (3 credits)

MATH 116

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

#### NATURAL SCIENCE (6 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

#### CORE REQUIREMENTS (30 credits)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 153B	Grade Checking I	5
OPE 155B	Plan Reading/Grade Checking II	5
OPE 157B	Specialized Equipment	5
OPE 159B	Cranes	5
OPE 201B	Hazardous Materials Handling Awareness	5

#### CHOOSE ELECTIVES (5 credits)

OPE 108B	Hydraulics	5
OPE 212B	Welding	5
OPE 214B	Heavy Equipment Repair	5
or		
OPE (any) journeyman classes offered for college credit		
(credit may vary).		

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Engineers Associate of Applied Science if they are affected by the retroactive six year rule.



## Equipment Operators

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPEEQP-CT

### PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Operating Engineer with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable Operating Engineers' tools.
- Comprehend and utilize formulas used in the calculations of all phases of Operating Engineers' work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in Operating Engineers' work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 153B	Grade Checking I	5
OPE 155B	Plan Reading/Grade Checking II	5
OPE 157B	Specialized Equipment	5
OPE 159B	Cranes	5
OPE 270B	OSHA 30	2

Computation included in OPE 153B, 155B

Human Relations included in OPE 101B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Equipment Operators Certificate of Achievement if they are affected by the retroactive six year rule.





## Floor Coverer

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: FLOOR-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Floor Coverer with the Floor Coverers Union. **This is a restricted entry program. Students MUST be indentured in the Floor Coverers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable floor covering tools.
- Comprehend and utilize formulas used in the calculations of all phases of floor covering work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with floor covering Installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (33 CREDITS)

#### MATHEMATICS (3 credits)

MATH 116

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### COMPUTING (3 credits)

IS 101

#### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B; SOC 101

#### NATURAL SCIENCE (8 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (6 credits)

ANTH 101; ART 101, 102, 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

FLCV 100B	Introduction to the Union and Construction Trade	1
FLCV 111B	Introduction to the Flooring Trade	3
FLCV 121B	Floor Installation Process	5
FLCV 131B	Carpet Installation Process	5
FLCV 141B	Special Floors and Finishes	3
FLCV 200B	Math for Floor Coverers	2
FLCV 211B	Drawings (Blueprints) for Floor Coverers	2
FLCV 221B	Safety Awareness	4
FLCV 231B	Leadership	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any FLCV journeyman course offered for credit may be substituted for any of the above FLCV apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Floor Coverers Associate of Applied Science Degree if they are affected by the retroactive six year rule.



## Floor Coverer

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: FLOOR-CT

### PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Floor Coverer with the Floor Coverers Union. **This is a restricted entry program. Students MUST be indentured in the Floor Coverers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable floor coverer tools.
- Comprehend and utilize formulas used in the calculations of all phases of floor covering work.
- Comprehend the ability to troubleshoot and repair any problems that arise with floor covering installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

FLCV 100B Introduction to the Union and Construction Trade	1
FLCV 111B Introduction to the Flooring Trade	3
FLCV 121B Floor Installation Process	5
FLCV 131B Carpet Installation Process	5
FLCV 141B Special Floors and Finishes	3
FLCV 200B Math for Floor Coverers	2
FLCV 211B Drawings (Blueprints) for Floor Coverers	2
FLCV 221B Safety Awareness	4
FLCV 231B Leadership	2

Computation included in FLCV 200B, 221B

Human Relations included in FLCV 231B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any FLCV journeyman course offered for credit may be substituted for any of the above FLCV apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Floor Coverers Certificate of Achievement if they are affected by the retroactive six year rule.



**General Construction Inspector**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPECONSAAS

**PROGRAM DESCRIPTION**

This degree prepares the students for employment as a General Construction Inspector with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable Operating Engineers' tools.
- Comprehend and utilize formulas used in the calculations of all phases of Operating Engineers' work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in Operating Engineers' work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (6 credits)**

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)****CORE REQUIREMENTS (25 credits)**

OPE 201B Hazardous Materials Handling Awareness 5

OPE 202B Soils Inspection and Testing 5

OPE 204B Reinforced Concrete Inspector 5

OPE 206B Pre-Stressed Concrete Inspector 5

OPE 208B Structural Masonry Inspector 5

**CHOOSE ELECTIVES (10 credits)**

OPE 209B General Construction Inspector 5

OPE 211B Spray Applied Fire Proofing Inspector 5

OPE 213B Structural Steel and Bolting Inspector 5

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Engineers Associate of Applied Science Degree if they are affected by the retroactive six year rule.



# General Construction Inspector

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPECONS-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a General Construction Inspector with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable building codes and inspection requirements.
- Comprehend and utilize formulas used in the calculations of all phases of construction inspection.
- Demonstrate the ability to troubleshoot and report any problems that arise in during a structural inspection.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPE 201B	Hazardous Materials Handling Awareness	5
OPE 202B	Soils Inspection and Testing	5
OPE 204B	Reinforced Concrete Inspector	5
OPE 206B	Pre-Stressed Concrete Inspector	5
OPE 208B	Structural Masonry Inspector	5
OPE 270B	OSHA 30	2

Computation included in OPE 202B, 204B, 206B, 208B

Human Relations included in OPE 202B, 204B, 206B, 208B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Operating Engineers Certificate of Achievement if they are affected by the retroactive six year rule.



# Glazier

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: GLAZ-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Glazier with the Glaziers Union. **This is a restricted entry program. Students MUST be indentured in the Glaziers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills, emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable glazing tools and equipment.
- Comprehend and utilize formulas used in the calculations of all phases of glazing work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in glazing installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (8 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)

GLZR 111B Glazier I	5
GLZR 112B Glazier II	3
GLZR 121B Glazier III	4
GLZR 122B Glazier IV	3
GLZR 131B Glazier V	5
GLZR 132B Glazier VI	5
GLZR 141B Glazier VII	5
GLZR 142B Glazier VIII	3

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any GLZR journeyman course offered for credit may be substituted for any of the above GLZR apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Glaziers Associate of Applied Science Degree if they are affected by the retroactive six year rule.





**Glazier**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: GLAZ-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Glazier with the Glaziers Union. **This is a restricted entry program. Students MUST be indentured in the Glaziers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable glazier tools and equipment.
- Comprehend and utilize formulas used in the calculations of all phases of glazier work.
- Comprehend the ability to troubleshoot and repair any problems that arise in glazing installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

GLZR 111B Glazier I	5
GLZR 112B Glazier II	3
GLZR 121B Glazier III	4
GLZR 122B Glazier IV	3
GLZR 131B Glazier V	5
GLZR 132B Glazier VI	5
GLZR 270B OSHA 30	2

Computation included in GLZR 111B, 112B, 131B

Human Relations included in GLZR 132B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any GLZR journeyman course offered for credit may be substituted for any of the above GLZR apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Glaziers Certificate of Achievement if they are affected by the retroactive six year rule..



# Heat and Frost Insulator

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: HTFRST-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman with the Heat and Frost Insulators Union. **This is a restricted entry program. Students MUST be indentured in the Heat and Frost Insulators Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable heat and frost insulator tools.
- Comprehend and utilize formulas used in the calculations of all phases of heat and frost insulator work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in heat and frost insulation installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (6 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

ASB 101B	Asbestos Worker I	4
ASB 102B	Asbestos Worker II	3
ASB 111B	Asbestos Worker III	3
ASB 112B	Asbestos Worker IV	5
ASB 120B	Asbestos Worker V	4
ASB 121B	Asbestos Worker VI	4
ASB 201B	Asbestos Worker VII	6
ASB 202B	Asbestos Worker VIII	6

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any ASB journeyman course offered for credit may be substituted for any of the above ASB apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Heat and Frost Insulators’ Associate of Applied Science Degree if they are affected by the retroactive six year rule.



## Heat and Frost Insulator

### CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 32

DEGREE CODE: HTFRST-CT

#### PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Insulator with the Heat and Frost Insulators Union. **This is a restricted entry program. Students MUST be indentured in the Heat and Frost Insulators Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

#### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable heat and frost insulator tools.
- Comprehend and utilize formulas used in the calculations of all phases of heat and frost insulator work.
- Comprehend the ability to troubleshoot and repair any problems that arise in heat and frost insulation installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

##### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

ASB 101B	Asbestos Worker I	4
ASB 102B	Asbestos Worker II	3
ASB 111B	Asbestos Worker III	3
ASB 112B	Asbestos Worker IV	5
ASB 120B	Asbestos Worker V	4
ASB 121B	Asbestos Worker VI	4
ASB 201B	Asbestos Worker VII	6

Computation included in ASB 101B, 111B

Human Relations included in ASB 201B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any ASB journeyman course offered for credit may be substituted for any of the above ASB apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Heat and Frost Insulators’ Certificate of Achievement if they are affected by the retroactive six year rule.



# Heavy Duty Repairman

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPERPR-AAS

## PROGRAM DESCRIPTION

This degree prepares the student for employment as a Journeymen Heavy Duty Repairman with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skill emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable heavy duty repairman tools.
- Comprehend and utilize formulas used in the calculations of all phases of heavy duty repair work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in heavy duty repair work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (6 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 108B	Hydraulics	5
OPE 124B	Blueprint Reading for Welders/Machinists	5
OPE 201B	Hazardous Materials Handling Awareness	5
OPE 210B	Diesel and High Compression Engines	5
OPE 212B	Welding	5
OPE 214B	Heavy Equipment Repair	5

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Engineers Associate of Applied Science if they are affected by the retroactive six year rule.



# Heavy Duty Repairman

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPERPR-CT

## PROGRAM DESCRIPTION

This program prepares the student for employment as a Journeymen Heavy Duty Repairman with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable heavy duty repairman tools.
- Comprehend and utilize formulas used in the calculations of all phases of heavy duty repair work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in heavy duty repair work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 108B	Hydraulics	5
OPE 124B	Blueprint Reading for Welders/Machinists	5
OPE 201B	Hazardous Materials Handling Awareness	5
OPE 210B	Diesel and High Compression Engines	5
OPE 270B	OSHA 30	2

Computation included in OPE 108B, 124B, 210B

Human Relations included in OPE 101B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Operating Engineers Heavy Duty Repairman Certificate of Achievement if they are affected by the retroactive six year rule.





**Inside Wireman**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ELAPPR-AAS

**PROGRAM DESCRIPTION**

This degree prepares students to take the Journeyman Electricians Exam administered by the International Brotherhood of Electrical Workers. **This is a restricted entry program. Students MUST be indentured in the IBEW Inside Wireman Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable electrical tools.
- Comprehend and utilize formulas used in the calculations of all phases of electrical work.
- Install all necessary equipment to complete any electrical system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in electrical systems.
- Successfully pass Journeyman Electrician's exams administered by the IBEW and the Clark County Building Department.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (28 CREDITS)****MATHEMATICS (4 credits)**

ELEC 121B

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (4 credits)**

ELEC 150B

**NATURAL SCIENCE (7 credits)**

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)**

ELEC 111B	Electrical Apprentice I	4
ELEC 112B	Electrical Apprentice II	4
ELEC 122B	Electrical Apprentice IV	4
ELEC 131B	Electrical Apprentice V	4
ELEC 132B	Electrical Apprentice VI	4
ELEC 141B	Electrical Apprentice VII	4
ELEC 142B	Electrical Apprentice VIII	4
ELEC 152B	Electrical Apprentice X	4

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Special consideration will be given students who complete the Trade Union Electrical Apprentice Associate of Applied Science Degree if they are affected by the retroactive six year rule.



**Inside Wireman**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: **30**DEGREE CODE: **ELAPPR-CT****PROGRAM DESCRIPTION**

This program prepares students to take the Journeyman Electrician Exam administered by the International Brotherhood of Electrical Workers. **This is a restricted entry program. Students MUST be indentured in the IBEW Inside Wireman Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable electrical tools.
- Comprehend and utilize formulas used in the calculations of all phases of electrical work.
- Install all necessary equipment to complete any electrical system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in electrical systems.
- Successfully pass Journeyman Electrician's exams administered by the IBEW and the Clark County Building Department.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

ELEC 111B	Electrical Apprentice I	4
ELEC 112B	Electrical Apprentice II	4
ELEC 121B	Electrical Apprentice III	4
ELEC 122B	Electrical Apprentice IV	4
ELEC 127B	Mobile Equipment Safety	1
ELEC 131B	Electrical Apprentice V	4
ELEC 132B	Electrical Apprentice VI	4
ELEC 137B	OSHA 30	2

Computation included in ELEC 111B, 112B, 121B

Human Relations included in ELEC 112B, 121B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Special consideration will be given students who complete the Trade Union Inside Wireman Certificate of Achievement if they are affected by the retroactive six year rule.



**Installer/Technician**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: **30**DEGREE CODE: **ELEAPPR-CT****PROGRAM DESCRIPTION**

This program prepares students for employment as an Installer/Technician with the International Brotherhood of Electrical Workers. **This is a restricted entry program. Students MUST be indentured in the IBEW Installer/Technician Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable electrical tools.
- Comprehend and utilize formulas used in the calculations of all phases of electrical work.
- Install all necessary equipment to complete any electrical system.
- Comprehend the ability to troubleshoot and repair any problems that arise in electrical systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

ELEC 127B	Mobile Equipment Safety	1
ELEC 137B	OSHA 30	2
ELEC 161B	Installer/Technician Apprentice I	4
ELEC 162B	Installer/Technician Apprentice II	4
ELEC 163B	Installer/Technician Apprentice III	4
ELEC 164B	Installer/Technician Apprentice IV	4
ELEC 165B	Installer/Technician Apprentice V	4
ELEC 166B	Installer/Technician Apprentice VI	4

Computation included in ELEC 161B, 162B

Human Relations included in ELEC 161B, 162B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Special consideration will be given students who complete the Trade Union Installer/Technician Certificate of Achievement if they are affected by the retroactive six year rule.



# Sign

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ELSIGN-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a Sign Electrician with the International Brotherhood of Electrical Workers. **This is a restricted entry program. Students MUST be indentured in the IBEW Sign Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable electrical tools.
- Comprehend and utilize formulas used in the calculations of all phases of electrical work.
- Install all necessary equipment to complete any electrical system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in electrical systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

ELEC 127B	Mobile Equipment Safety	1
ELEC 137B	OSHA 30	2
ELEC 171B	Sign Apprentice I	4
ELEC 172B	Sign Apprentice II	4
ELEC 173B	Sign Apprentice III	4
ELEC 174B	Sign Apprentice IV	4
ELEC 175B	Sign Apprentice V	4
ELEC 176B	Sign Apprentice VI	4

Computation included in ELEC 172B, 174B, 176B

Human Relations included in ELEC 171B, 176B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Special consideration will be given students who complete the Trade Union Sign Certificate of Achievement if they are affected by the retroactive six year rule.



# Machinist

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPEMACHAAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Machinist with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable machinists' tools.
- Comprehend and utilize formulas used in the calculations of all phases of machinists' work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in machinists' work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

### MATHEMATICS (5 credits)

OPE 116B

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (5 credits)

OPE 101B

### NATURAL SCIENCE (5 credits)

OPE 260B

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (6 credits)

HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

OPE 105B	Machine Tools I	5
OPE 110B	Technical Sketching	5
OPE 124B	Blueprint Reading for Welders/Machinists	5
OPE 131B	Introduction to Computer Aided Drafting	5
OPE 201B	Hazardous Materials Handling Awareness	5
OPE 212B	Welding	5

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Engineers Associate of Applied Science if they are affected by the retroactive six year rule.





**Machinist**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPEMACH-CT

**PROGRAM DESCRIPTION**

This degree prepares students for employment as a Machinist with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable machinists' tools.
- Comprehend and utilize formulas used in the calculations of all phases of machinists' work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in machinists' work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 105B	Machine Tools I	5
OPE 116B	Machinists/Surveyors Math	5
OPE 124B	Blueprint Reading for Welders/Machinists	5
OPE 131B	Introduction to Computer Aided Drafting	5
OPE 270B	OSHA 30	2

Computation included in OPE 116B

Human Relations included in OPE 101B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Operating Engineers Certificate of Achievement if they are affected by the retroactive six year rule.



**Millwright**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: MWA-AAS

**PROGRAM DESCRIPTION**

This degree prepares the students for employment as a Journeyman Millwright with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable millwright tools.
- Comprehend and utilize formulas used in the calculation of all phases of millwright work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in millwright work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)**

**MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (6-7 credits)**

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)**

**CORE REQUIREMENTS (32 credits)**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2

**SPECIAL PROGRAM REQUIREMENTS CONTINUED**

**CORE REQUIREMENTS CONTINUED**

CPT 137B	Rigging	2
MWA 105B	Millwright General Skills A	1.5
MWA 107B	Millwright General Skills B	1.5
MWA 109B	Cutting and Burning	1.5
MWA 111B	Welding Fabrication A	1.5
MWA 113B	Optics and Machinery Alignment	1.5
MWA 115B	Machinery Shaft Alignment	1.5
MWA 117B	Structural Welding - AWS A	1.5
MWA 119B	Structural Welding - AWS B	1.5
MWA 121B	Turbine Familiarization	1.5
MWA 125B	Pumps	1.5
MWA 127B	Turbine Maintenance	1.5
MWA 129B	Conveyor Systems	1.5
MWA 131B	Drives, Pulleys and Belts	1.5
MWA 133B	Compressor Theory and Maintenance	1.5
MWA 135B	Machinery Installation and Erection A	1.5
MWA 137B	Machinery Installation and Erection B	1.5

**CHOOSE ELECTIVES (4 credits)**

CPT 115B	Transit Level/Laser	2
CPT 129B	Advanced Print Reading	2
CPT 145B	Scaffold Erector Qualification	2
DWA 131B	Light Gage Welding - AWS	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any MWA journeyman course offered for credit may be substituted for any of the above MWA apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Millwright Associate of Applied Science Degree if they are affected by the retroactive six year rule.



**Millwright**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: **30.5**DEGREE CODE: **MWA-CT****PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Millwright with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable millwright tools.
- Comprehend and utilize formulas used in the calculations of all phases of millwright work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with millwright work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27.5 CREDITS)**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 137B	Rigging	2
MWA 105B	Millwright General Skills A	1.5
MWA 107B	Millwright General Skills B	1.5
MWA 109B	Cutting and Burning	1.5
MWA 111B	Welding Fabrication A	1.5
MWA 113B	Optics and Machinery Alignment	1.5
MWA 115B	Machinery Shaft Alignment	1.5
MWA 117B	Structural Welding - AWS A	1.5
MWA 119B	Structural Welding - AWS B	1.5
MWA 121B	Turbine Familiarization	1.5
MWA 125B	Pumps	1.5
MWA 127B	Turbine Maintenance	1.5
MWA 129B	Conveyor Systems	1.5
MWA 131B	Drives, Pulleys and Belts	1.5

Computation included in MWA 105B, 107B

Human Relations included in CPT 102B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any MWA journeyman course offered for credit may be substituted for any of the above MWA apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Millwright Certificate of Achievement if they are affected by the retroactive six year rule.



# Oil Well Drillers

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPEOIL-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Oil Well Driller with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable oil well drilling tools.
- Comprehend and utilize formulas used in the calculations of all phases of oil well drilling work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in oil well drilling work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### COMPUTING (1 credit)

CIT 100B, 102B, 103B, 106B, 107B, 108B, 109B

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (8 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (6 credits)

HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

### CORE REQUIREMENTS (25 credits)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 173B	Drilling I	5
OPE 175B	Drilling II	5
OPE 177B	Drilling III	5
OPE 201B	Hazardous Materials Handling Awareness	5

### CHOOSE ELECTIVES (5 credits)

OPE 157B	Specialized Equipment	5
OPE 212B	Welding	5
OPE 214B	Heavy Equipment Repair	5
or		
OPE (any) journeyman classes offered for College credit (credit may vary).		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Engineers Associate of Applied Science if they are affected by the retroactive six year rule.



## Oil Well Drillers

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPEOIL-CT

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Oil Well Driller with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable oil well drilling tools.
- Comprehend and utilize formulas used in the calculations of all phases of oil well drilling work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in oil well drilling work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 173B	Drilling I	5
OPE 175B	Drilling II	5
OPE 177B	Drilling III	5
OPE 201B	Hazardous Materials Handling Awareness	5
OPE 270B	OSHA 30	2

Computation included in OPE 173B, 175B, 177B

Human Relations included in OPE 101B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Operating Engineers Certificate of Achievement if they are affected by the retroactive six year rule.



# Painter

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PAINT-AAS

## PROGRAM DESCRIPTION

This program prepares the student for employment as a Journeyman Painter with the Painters Union. **This is a restricted entry program. Students MUST be indentured in the Painters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations, components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable painting tools.
- Comprehend and utilize formulas used in the calculations of all phases of painting work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in painting installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### COMPUTING (3 credits)

IS 101

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (8 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

PTD 101B	Painting/Decorating Apprentice I	4
PTD 102B	Painting/Decorating Apprentice IB	4
PTD 105B	OSHA/First Aid/CPR	1
PTD 151B	Painting/Decorating Apprentice II	4
PTD 152B	Painting/Decorating Apprentice IIB	4
PTD 155B	Respirators/Lead Abatement	1
PTD 201B	Painting/Decorating Apprentice III	4
PTD 202B	Painting/Decorating Apprentice IIIB	4
PTD 205B	Heavy Equipment Operation	1
PTD 255B	COMET	1
PTD 270B	OSHA 30	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PTD journeyman course offered for credit may be substituted for any of the above PTD apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Painting Trades Associate of Applied Science if they are affected by the retroactive six year rule.





**Painter**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: PAINT-CT

**PROGRAM DESCRIPTION**

This program prepares the student for employment as a Journeyman Painter with the Painters Union. **This is a restricted entry program. Students MUST be indentured in the Painters Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable painters tools.
- Comprehend and utilize formulas used in the calculations of all phases of painting work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in painting installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

PTD 101B	Painting/Decorating Apprentice I	4
PTD 102B	Painting/Decorating Apprentice IB	4
PTD 105B	OSHA/First Aid/CPR	1
PTD 151B	Painting/Decorating Apprentice II	4
PTD 152B	Painting/Decorating Apprentice IIB	4
PTD 155B	Respirators/Lead Abatement	1
PTD 201B	Painting/Decorating Apprentice III	4
PTD 202B	Painting/Decorating Apprentice IIIB	4
PTD 205B	Heavy Equipment Operation	1

Computation included in PTD 101B, 102B, 151B, 152B, 155B, 201B, 202B

Human Relations included in PTD 101B, 102B, 151B, 152B, 201B, 202B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PTD journeyman course offered for credit may be substituted for any of the above PTD apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Painting Trades Certificate of Achievement if they are affected by the retroactive six year rule.



## Pile Driver

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PDA-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Pile Driver with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable pile driver tools.
- Comprehend and utilize formulas used in the calculations of all phases of pile driver work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with pile driver work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

#### MATHEMATICS (3 credits)

MATH 116

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

#### NATURAL SCIENCE (6-7 credits)

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 105B	Basic Wall Framing	1.5
CPT 107B	Print Reading	2
CPT 115B	Transit Level/Laser	2
CPT 129B	Advanced Print Reading	2
CPT 137B	Rigging	2
CPT 145B	Scaffold Erector Qualification	2
MWA 111B	Welding Fabrications A	1.5
MWA 117B	Structural Welding - AWS A	1.5
MWA 119B	Structural Welding - AWS B	1.5
PDA 105B	Piles and Hammers A	1.5
PDA 107B	Piles and Hammers B	1.5
PDA 109B	Pile Caps and Columns A	1.5
PDA 111B	Pile Caps and Columns B	1.5
PDA 113B	Falsework A	1.5
PDA 115B	Falsework B	1.5
PDA 117B	Abutments A	1.5
PDA 119B	Abutments B	1.5
PDA 121B	Bridge Deck Forms A	1.5
PDA 123B	Bridge Deck Forms B	1.5

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PDA journeyman course offered for credit may be substituted for any of the above PDA apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Pile Driver Associate of Applied Science if they are affected by the retroactive six year rule.



# Pile Driver

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: PDA-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Pile Driver with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable pile driver tools.
- Comprehend and utilize formulas used in the calculations of all phases of pile driver work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with pile driver work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 137B	Rigging	2
CPT 145B	Scaffold Erector Qualification	2
MWA 117B	Structural Welding - AWS A	1.5
MWA 119B	Structural Welding - AWS B	1.5
PDA 105B	Piles and Hammers A	1.5
PDA 107B	Piles and Hammers B	1.5
PDA 109B	Pile Caps and Columns A	1.5
PDA 111B	Pile Caps and Columns B	1.5
PDA 113B	Falsework A	1.5
PDA 115B	Falsework B	1.5
PDA 117B	Abutments A	1.5
PDA 119B	Abutments B	1.5
PDA 121B	Bridge Deck Forms A	1.5
PDA 123B	Bridge Deck Forms B	1.5

Computation included in CPT 137B

Human Relations included in CPT 102B, 104B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PDA journeyman course offered for credit may be substituted for any of the above PDA apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Pile Driver Certificate of Achievement if they are affected by the retroactive six year rule.



## Piping Trades

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PPF-AAS

### PROGRAM DESCRIPTION

This degree prepares students to take the Journeyman Piping Trades exam administered by the United Association. **This is a restricted entry program. Students MUST be indentured in the United Association Piping Trades Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable pipe trades tools.
- Comprehend and utilize formulas used in the calculations of all phases of the piping trades.
- Install all necessary equipment to complete any piping system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in piping systems.
- Successfully pass Journeyman Pipe Trade exams administered by the United Association and the Clark County Building Department.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (28 CREDITS)

#### MATHEMATICS (4 credits)

PPF 102B

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### HUMAN RELATIONS (4 credits)

PPF 101B

#### NATURAL SCIENCE (7 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)

PPF 151B	Second Year Plumbers and Pipefitters Apprentice I	4
PPF 152B	Second Year Plumbers and Pipefitters Apprentice II	4
PPF 201B	Third Year Plumbers and Pipefitters Apprentice I	4
PPF 202B	Third Year Plumbers and Pipefitters Apprentice II	4
PPF 251B	Fourth Year Plumbers and Pipefitters Apprentice I	4
PPF 252B	Fourth Year Plumbers and Pipefitters Apprentice II	4
PPF 291B	Fifth Year Plumbers and Pipefitters Apprentice I	4
PPF 292B	Fifth Year Plumbers and Pipefitters Apprentice II	4

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PPF journeyman course offered for credit may be substituted for any of the above PPF apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Piping Trades Associate of Applied Science if they are affected by the retroactive six year rule.



## Piping Trades

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: PPF-CT

### PROGRAM DESCRIPTION

This program prepares students to take the Journeyman Piping Trades exam administered by the United Association. **This is a restricted entry program. Students MUST be indentured in the United Association Piping Trades Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable piping tools.
- Comprehend and utilize formulas used in the calculations of all phases of the piping trades.
- Install all necessary equipment to complete any piping system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in piping systems.
- Successfully pass Journeyman Pipe Trade exams administered by the United Association and the Clark County Building Department.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

PPF 101B	First Year Plumbers and Pipefitters Apprentice I	4
PPF 102B	First Year Plumbers and Pipefitters Apprentice II	4
PPF 116B	Technical Math for Piping Trades	2
PPF 151B	Second Year Plumbers and Pipefitters Apprentice I	4
PPF 152B	Second Year Plumbers and Pipefitters Apprentice II	4
PPF 170B	OSHA 10	0.5
PPF 201B	Third Year Plumbers and Pipefitters Apprentice I	4
PPF 202B	Third Year Plumbers and Pipefitters Apprentice II	4
PPF 240B	First Aid/CPR	0.5

Computation included in PPF 101B, 102B, 116B

Human Relations included in PPF 101B, 102B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PPF journeyman course offered for credit may be substituted for any of the above PPF apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Piping Trades Certificate of Achievement if they are affected by the retroactive six year rule.



# Plasterer

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PLA-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Plasterer with the Plasterers Union. **This is a restricted entry program. Students MUST be indentured in the Plasterers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable plasterer tools.
- Comprehend and utilize formulas used in the calculations of all phases of plaster work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with plastering installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (6 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (3 credits)

MGT 100B or PSY 101 or SOC 101

### NATURAL SCIENCE (8 credits)

EGG 131 and 132

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

PLA 111B	Plasterer Apprentice I	4
PLA 112B	Plasterer Apprentice IB	3
PLA 141B	Plasterer Apprentice II	3
PLA 142B	Plasterer Apprentice IIB	4
PLA 201B	Plasterer Apprentice III	3
PLA 202B	Plasterer Apprentice IIIB	4
PLA 251B	Plasterer Apprentice IV	3
PLA 252B	Plasterer Apprentice IVB	4
PLCM 270B	OSHA 30	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PLA, journeyman course offered for credit may be substituted for any of the above PLA apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Plasterer Apprentice Associate of Applied Science Degree if they are affected by the retroactive six year rule.





**Plasterer**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: PLA-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Plasterer with the Plasterers Union. **This is a restricted entry program. Students MUST be indentured in the Plasterers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable plasterer tools.
- Comprehend and utilize formulas used in the calculations of all phases of plastering work.
- Comprehend the ability to troubleshoot and repair any problems that arise in tile plastering installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

PLA 111B	Plasterer Apprentice I	4
PLA 112B	Plasterer IB	3
PLA 141B	Plasterer II	3
PLA 142B	Plasterer IIB	4
PLA 201B	Plasterer Apprentice III	3
PLA 202B	Plasterer Apprentice IIIB	4
PLA 251B	Plasterer Apprentice IV	3
PLA 252B	Plasterer Apprentice IVB	4

Computation included in PLA 141B, 142B

Human Relations included in PLA 111B, 112B, 142B, 201B, 202B, 251B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any PLA journeyman course offered for credit may be substituted for any of the above PLA apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Tile Setters Certificate of Achievement if they are affected by the retroactive six year rule.



## Reinforcing Ironworker

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: IRWIRN-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Reinforcing Ironworker with the Ironworkers Union. **This is a restricted entry program. Students MUST be enrolled in the Reinforcing Ironworkers Apprenticeship Program before enrolling in classes.** In addition to special program courses, academic skills emphasizing related math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4127.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable Reinforcing Ironworker tools.
- Comprehend and utilize formulas used in the calculations of all phases of Reinforcing Ironworker work.
- Comprehend the ability to troubleshoot and repair any problems that arise in reinforcing ironwork installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

#### MATHEMATICS (3 credits)

MATH 116

#### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 107 or 113

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 102

#### HUMAN RELATIONS (3 credits)

MGT 100B

#### NATURAL SCIENCE (8 credits)

EGG 131 and 131L and 132

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)

IRW 110B	Introduction to Ironworking	3
IRW 112B	Metal Buildings	1
IRW 113B	Ironworker History/C.O.M.E.T.	3
IRW 114B	Mixed Base for Ironworkers	3
IRW 116B	Reinforcing Iron I	3
IRW 150B	Rigging for Ironworkers	3
IRW 152B	Welding I for Ironworkers	2
IRW 154B	Reinforcing Iron II	3
IRW 156B	Welding II for Ironworkers	2
IRW 202B	Welding III for Ironworkers	2
IRW 204B	Detailing I for Reinforcing Iron	3
IRW 206B	Detailing II for Reinforcing Iron	3
IRW 208B	Foreman Training for Ironworkers	3

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any IRW journeyman course offered for credit may be substituted for any of the above IRW apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Trade Union Ironworker Apprentice Associate of Applied Science degree if they are affected by the retroactive six year rule.



# Reinforcing Ironworker

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 34

DEGREE CODE: IRWIRN-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Reinforcing Ironworker with the Ironworkers Union. **This is a restricted entry program. Students MUST be indentured in the Reinforcing Ironworkers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable reinforcing iron tools.
- Comprehend and utilize formulas used in the calculations of all phases of reinforcing iron work.
- Comprehend the ability to troubleshoot and repair any problems that arise in reinforcing iron work installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3-5 CREDITS)

### COMMUNICATIONS (3-5 credits)

COM 101 or 215; or ENG 100 or 101 or 113

## SPECIAL PROGRAM REQUIREMENTS (31 CREDITS)

IRW 110B	Introduction to Ironworking	3
IRW 112B	Metal Buildings	1
IRW 114B	Mixed Base for Ironworkers	3
IRW 116B	Reinforcing Iron I	3
IRW 150B	Rigging for Ironworkers	3
IRW 152B	Welding I for Ironworkers	2
IRW 154B	Reinforcing Iron II	3
IRW 156B	Welding II for Ironworkers	2
IRW 202B	Welding III for Ironworkers	2
IRW 204B	Detailing I for Reinforcing Iron	3
IRW 206B	Detailing II for Reinforcing Iron	3
IRW 208B	Foreman Training for Ironworkers	3

Computation included in IRW 114B, 204B

Human Relations included in IRW 208B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any IRW journeyman course offered for credit may be substituted for any of the above IRW apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Reinforcing Ironworker Certificate of Achievement if they are affected by the retroactive six year rule.



## Residential

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: ELRES-CT

### PROGRAM DESCRIPTION

This program prepares students for employment as a Residential Electrician with the International Brotherhood of Electrical Workers. **This is a restricted entry program. Students MUST be indentured in the IBEW Residential Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable electrical tools.
- Comprehend and utilize formulas used in the calculations of all phases of electrical work
- Install all necessary equipment to complete any electrical system.
- Demonstrate the ability to troubleshoot and repair any problems that arise in electrical systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

ELEC 115B Residential Apprentice I	4
ELEC 116B Residential Apprentice II	4
ELEC 117B Residential Apprentice III	4
ELEC 118B Residential Apprentice IV	4
ELEC 119B Residential Apprentice V	4
ELEC 120B Residential Apprentice VI	4
ELEC 127B Mobile Equipment Safety	1
ELEC 137B OSHA 30	2

Computation included in ELEC 115B, 116B

Human Relations included in ELEC 115B, 120B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Special consideration will be given students who complete the Trade Union Residential Certificate of Achievement if they are affected by the retroactive six year rule.



**Roofer and Waterproofer**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ROOF-AAS

**PROGRAM DESCRIPTION**

This program prepares the student for employment as a Journeyman Roofer and Water Proofer with the Roofers Union. **This is a restricted entry program. Students MUST be indentured in the Roofer and Water Proofer Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable roofing tools.
- Comprehend and utilize formulas used in the calculations of all phases of roofing work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in roofing installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (28 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B; SOC 101

**NATURAL SCIENCE (7 credits)**

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)**

RFR 101B	Roofers Apprentice I	4
RFR 102B	Roofers Apprentice I s	4
RFR 151B	Roofers Apprentice II	4
RFR 152B	Roofers Apprentice II s	4
RFR 201B	Roofers Apprentice III	4
RFR 202B	Roofers Apprentice III s	4
RFR 211B	Safety	4
RFR 212B	CPR, First Aid, and OSHA 10	4

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any RFR journeyman course offered for credit may be substituted for any of the above RFR apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Roofers Associate of Applied Science if they are affected by the retroactive six year rule.



## Roofer and Waterproofer

### CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 31

DEGREE CODE: ROOF-CT

#### PROGRAM DESCRIPTION

This program prepares the student for employment as a Journeyman Roofer and Water Proofer with the Roofers Union. **This is a restricted entry program. Students MUST be indentured in the Roofer and Water Proofer Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

#### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable roofing tools.
- Comprehend and utilize formulas used in the calculations of all phases of roofing work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in roofing installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

#### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

##### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

RFR 101B	Roofers Apprentice I	4
RFR 102B	Roofers Apprentice I s	4
RFR 151B	Roofers Apprentice II	4
RFR 152B	Roofers Apprentice II s	4
RFR 201B	Roofers Apprentice III	4
RFR 211B	Safety	4
RFR 212B	CPR, First Aid and OSHA 10	4

Computation included in RFR 102B

Human Relations included in RFR 101B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any RFR journeyman course offered for credit may be substituted for any of the above RFR apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Roofers and Waterproofers Certificate of Achievement if they are affected by the retroactive six year rule.





**Scaffold Erector**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: SEA-AAS

**PROGRAM DESCRIPTION**

This degree prepares students for employment as a Journeyman Scaffold Erector with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable scaffold erector tools.
- Comprehend and utilize formulas used in the calculations of all phases of scaffold erector work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with scaffold erector installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (25 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

**NATURAL SCIENCE (6-7 credits)**

AST 101; BIOL 101; CHEM 103; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)****CORE REQUIREMENTS (27 credits)**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 129B	Advanced Print Reading	2
SEA 105B	Basic Frame Scaffold	1.5
SEA 109B	Basic System Scaffold	1.5
SEA 111B	Basic Suspended Scaffold	1.5
SEA 113B	Basic Tube and Clamp Scaffold	1.5
SEA 115B	Intermediate Frame Scaffold	1.5
SEA 117B	Intermediate System Scaffold	1.5
SEA 119B	Advanced Frame Scaffold	1.5
SEA 121B	Advanced System Scaffold	1.5
SEA 123B	Advanced Suspended Scaffold	1.5
SEA 125B	Scaffold Re-Shoring	2
SEA 127B	Scaffold in Confined Spaces	1.5
SEA 129B	Specialty Scaffold Applications	2

**CHOOSE ELECTIVES (8 credits)**

CPT 105B	Basic Wall Framing	1.5
CPT 111B	Wall Forming	1.5
CPT 115B	Transit Level/Laser	2
CPT 121B	Stair and Ramp Forming	1.5
CPT 137B	Rigging	2
CPT 145B	Scaffold Erector Qualification	2

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any SEA journeyman course offered for credit may be substituted for any of the above SEA apprentice courses. Please contact the program coordinator for more details.

Special consideration will be given students who complete the Scaffold Erector Associate of Applied Science if they are affected by the retroactive six year rule.



**Scaffold Erector**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: SEA-CT

**PROGRAM DESCRIPTION**

This program prepares students for employment as a Journeyman Scaffold Erector with the Carpenters Union. **This is a restricted entry program. Students MUST be indentured in the Carpenters Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable scaffold erector tools.
- Comprehend and utilize formulas used in the calculations of all phases of scaffold erector work.
- Demonstrate the ability to troubleshoot and repair any problems that arise with scaffold installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

CPT 102B	Orientation	2
CPT 104B	Safety and Health Certifications	2
CPT 107B	Print Reading	2
CPT 129B	Advanced Print Reading	2
SEA 105B	Basic Frame Scaffold	1.5
SEA 109B	Basic System Scaffold	1.5
SEA 111B	Basic Suspended Scaffold	1.5
SEA 113B	Basic Tube and Clamp Scaffold	1.5
SEA 115B	Intermediate Frame Scaffold	1.5
SEA 117B	Intermediate System Scaffold	1.5
SEA 119B	Advanced Frame Scaffold	1.5
SEA 121B	Advanced System Scaffold	1.5
SEA 123B	Advanced Suspended Scaffold	1.5
SEA 125B	Scaffold Re-Shoring	2
SEA 127B	Scaffold in Confined Space	1.5
SEA 129B	Specialty Scaffold Applications	2

Computation included in SEA 105B, 113B, 115B, 119B

Human Relations included in CPT 102B, 104B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any SEA journeyman course offered for credit may be substituted for any of the above SEA apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Scaffold Erector Certificate of Achievement if they are affected by the retroactive six year rule.



**Sheet Metal**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: SHEMET-AAS

**PROGRAM DESCRIPTION**

This degree prepares the student for employment as a Journeyman Sheet Metal Worker with the Sheet Metal Union. **This is a restricted entry program. Students MUST be indentured in the Sheet Metal Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science, and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable sheet metal tools.
- Comprehend and utilize formulas used in the calculations of all phases of sheet metal installations.
- Demonstrate the ability to troubleshoot and repair any problems that arise in sheet metal installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (26 CREDITS):****MATHEMATICS (4 credits)**

SMTL 124B

**ENGLISH COMPOSITION (3 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**HUMAN RELATIONS 2 credits)**

SMTL 260B

**NATURAL SCIENCE (7-8 credits)**

SMTL 115B and one set of the following: AST 101 and 105; or BIOL 101; or CHEM 105 and 106; or GEOG 103 and 104; or GEOL 100; or PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)****First Year:**

SMTL 111B First Aid/CPR I	0.5
SMTL 113B Sheet Metal Drafting	4
SMTL 114B Layout/Fabrication I	4
SMTL 121B OSHA 10	1

**Second Year:**

SMTL 122B Sheet Metal Plans and Specifications	4
SMTL 123B Layout/Fabrication II	4

**SPECIAL PROGRAM REQUIREMENTS CONTINUED****Third Year:**

SMTL 230B First Aid/CPR II	0.5
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**Choose 2 from the following in 1 discipline (8 credits):**

SMTL 234B Architectural Sheet Metal I	4
SMTL 236B Architectural Sheet Metal II	4
SMTL 240B CAD/Detailing I	4
SMTL 241B CAD/Detailing II	4
SMTL 242B TAB I	4
SMTL 243B TAB II	4
SMTL 244B Advanced Welding/Industrial I	4
SMTL 245B Advanced Welding/Industrial II	4
SMTL 246B HVAC-R Equipment I	4
SMTL 247B HVAC-R Equipment II	4
SMTL 248B Food Service Equipment Fabrication/Installation I	4
SMTL 249B Food Service Equipment Fabrication/Installation II	4

**Fourth Year:****Choose level III and level IV of the above chosen classes (8 credits):**

SMTL 261B TAB III	4
SMTL 262B TAB IV	4
SMTL 263B Advanced Welding/Industrial III	4
SMTL 264B Advanced Welding/Industrial IV	4
SMTL 265B HVAC-R Equipment III	4
SMTL 266B HVAC-R Equipment IV	4
SMTL 267B Food Service Equipment Fabrication/Installation III	4
SMTL 268B Food Service Equipment Fabrication/Installation IV	4
SMTL 269B CAD/Detailing III	4
SMTL 270B CAD/Detailing IV	4
SMTL 284B Architectural Sheet Metal III	4
SMTL 285B Architectural Sheet Metal IV	4

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any SMTL journeyman course offered for credit may be substituted for any of the above SMTL apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Sheet Metal Trades Associate of Applied Science Degree if they are affected by the retroactive six year rule.



**Sheet Metal**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: **32**DEGREE CODE: **SHEMET-CT****PROGRAM DESCRIPTION**

This program prepares the student for employment as a Journeyman Sheet Metal Worker with the Sheet Metal Union. **This is a restricted entry program. Students MUST be indentured in the Sheet Metal Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable sheet metal tools.
- Comprehend and utilize formulas used in the calculations of all phases of sheet metal installations.
- Demonstrate the ability to troubleshoot and repair any problems that arise in sheet metal installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)****COMMUNICATIONS (3 credits)**

COM 101 or 215; or ENG 101

**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)****First Year:**

SMTL 111B First Aid/CPR I	0.5
SMTL 113B Sheet Metal Drafting	4
SMTL 114B Layout/Fabrication I	4
SMTL 115B Sheet Metal Apprentice I	3
SMTL 121B OSHA 10	1

**Second Year:**

SMTL 122B Sheet Metal Plans and Specifications	4
SMTL 123B Layout/Fabrication II	4
SMTL 124B Sheet Metal Apprentice II	4

**Third Year:**

SMTL 230B First Aid/CPR II	0.5
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**CHOOSE ELECTIVES (4 credits)**

SMTL 234B Architectural Sheet Metal I	4
SMTL 240B CAD/Detailing I	4
SMTL 242B TAB I	4
SMTL 244B Advanced Welding/Industrial I	4
SMTL 246B HVAC-R Equipment I	4
SMTL 248B Food Service Equipment Fabrication/Installation I	4

Computation included in SMTL 114B, 115B, 123B, 124B

Human Relations included in SMTL 115B, 121B, 124B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any SMTL journeyman course offered for credit may be substituted for any of the above SMTL apprentice courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Sheet Metal Trades Certificate of Achievement if they are affected by the retroactive six year rule.



## Stationary Engineers

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 64

DEGREE CODE: OPME-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Stationary and Maintenance Engineer. **This is a restricted entry program. Students MUST be indentured in the Stationary Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations skills are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable Stationary and Maintenance Engineers tools.
- Comprehend and utilize formulas used in the calculations of all phases of Stationary and Maintenance Engineering work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in Stationary and Maintenance Engineering systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (28 CREDITS)

#### MATHEMATICS (3 credits)

OPME 120B

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### COMPUTING (3 credits)

IS 101

#### HUMAN RELATIONS (3 credits)

OPME 123B

#### NATURAL SCIENCE (6 credits)

OPME 107B and 109B

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

OPME 102B Fundamentals of Electricity	3
OPME 103B Introduction to the National Electric Code	3
OPME 105B Domestic Refrigeration	2
OPME 106B Mechanical Power Transmission (Instrumentation)	3
OPME 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	3
OPME 110B Electrical, Heating and Cooling	4
OPME 114B Automated Manufacturing Control	3
OPME 122B Introduction to Oxy-Acetylene Welding	3
OPME 133B Air Conditioning Theory	6
OPME 144B Industrial Electricity	3
OPME 212 Welding I	3

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPME journeyman course offered for credit may be substituted for any of the above OPME apprenticeship courses. Please contact the program coordinator more for details.
- Special consideration will be given students who complete the Operating Maintenance Engineers Associate of Applied Science if they are affected by the retroactive six year rule.



## Stationary Engineers

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPME-CT

### PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Stationary and Maintenance Engineer. **This is a restricted entry program. Students MUST be indentured in the Stationary Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable stationary and maintenance engineers tools.
- Comprehend and utilize formulas used in the calculations of all phases of stationary and maintenance engineering work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in stationary and maintenance engineering systems.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPME 102B Fundamentals of Electricity	3
OPME 103B Introduction to the National Electric Code	3
OPME 105B Domestic Refrigeration	2
OPME 106B Mechanical Power Transmission (Instrumentation)	3
OPME 107B Low Pressure Steam	3
OPME 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	3
OPME 109B High Pressure Steam	3
OPME 110B Electrical, Heating and Cooling	4
OPME 114B Automated Manufacturing Control	3

Computation included in OPME 106B, 108B, 110B, 114B

Human Relations included in OPME 108B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPME journeyman course offered for credit may be substituted for any of the above OPME apprenticeship courses. Please contact the program coordinator for details.
- Special consideration will be given students who complete the Operating Maintenance Engineers Certificate of Achievement if they are affected by the retroactive six year rule.





# Structural Steel Ironworker

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 62

DEGREE CODE: IRWSTL-AAS

## PROGRAM DESCRIPTION

This program prepares the student for employment as a Structural Steel Ironworker Journeyman with the Ironworkers Union. **This is a restricted entry program. Students MUST be indentured in the Structural Steel Ironworkers Apprenticeship Program before enrolling in classes.** In addition to special program courses, academic skills emphasizing math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable Structural Steel Ironworker tools.
- Comprehend and utilize all formulas used in the calculations of all phases of Structural Steel Ironworker work.
- Comprehend the ability to troubleshoot and repair any problems that arise in Structural Steel installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 107 or 113

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 102

### HUMAN RELATIONS (3 credits)

MGT 100B

### NATURAL SCIENCE (8 credits)

EGG 131 and 131L and 132

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

IRW 110B	Introduction to Ironworking	3
IRW 111B	Introduction to Major Work Areas	2
IRW 112B	Metal Buildings	1
IRW 113B	Ironworker History/C.O.M.E.T.	3
IRW 114B	Mixed Base for Ironworkers	3
IRW 134B	Lead Hazard Awareness	2
IRW 150B	Rigging for Ironworkers	3
IRW 152B	Welding I for Ironworkers	2
IRW 153B	Structural Steel I	2
IRW 156B	Welding II for Ironworkers	2
IRW 203B	Structural Steel II	2
IRW 207B	Structural Steel III/Cranes	2
IRW 208B	Foreman Training for Ironworkers	3
IRW 211B	Architectural I	2
IS 101	Introduction to Information Systems	3

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any IRW journeyman course offered for credit may be substituted for any of the above IRW apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Trade Union Ironworker Apprentice Associate of Applied Science if they are affected by the retroactive six year rule.



**Structural Steel Ironworker**

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: **31**DEGREE CODE: **IRWSTL-CT****PROGRAM DESCRIPTION**

This program prepares the student for employment as a Structural Steel Ironworker Journeyman with the Ironworkers Union. **This is a restricted entry program. Students MUST be indentured in the Structural Steel Ironworkers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable structural steel tools.
- Comprehend and utilize all formulas used in the calculations of all phases of structural steel work.
- Comprehend the ability to troubleshoot and repair any problems that arise in structural steel installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (3-5 CREDITS)****COMMUNICATIONS (3-5 credits)**

COM 101 or 215; or ENG 100 or 101 or 113

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

IRW 110B	Introduction to Ironworking	3
IRW 111B	Introduction to Major Work Areas	2
IRW 112B	Metal Buildings	1
IRW 113B	Ironworker History/C.O.M.E.T.	3
IRW 114B	Mixed Base for Ironworkers	3
IRW 150B	Rigging for Ironworkers	3
IRW 152B	Welding I for Ironworkers	2
IRW 153B	Structural Steel I	2
IRW 156B	Welding II for Ironworkers	2
IRW 203B	Structural Steel II	2
IRW 207B	Structural Steel III/Cranes	2
IRW 208B	Foreman Training for Ironworkers	3

Computation included in IRW 114B

Human Relations included in IRW 208B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any IRW journeyman course offered for credit may be substituted for any of the above IRW apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Structural Steel Ironworker Certificate of Achievement if they are affected by the retroactive six year rule.



## Surveyors

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: OPESUV-AAS

### PROGRAM DESCRIPTION

This degree prepares students for employment as a Surveyor with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science and human relations are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable surveyors' tools.
- Comprehend and utilize formulas used in the calculations of all phases of surveyor's work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in surveyor's work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

#### MATHEMATICS (5 credits)

OPE 116B

#### ENGLISH COMPOSITION (3 credits)

ENG 101 or 102 or 107

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

#### HUMAN RELATIONS (5 credits)

OPE 283B

#### NATURAL SCIENCE (5 credits)

OPE 201B

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

#### U.S. AND NEVADA CONSTITUTIONS (6 credits)

HIST 101 and HIST 102; or HIST 101 and HIST 217

### SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 110B	Technical Sketching	5
OPE 111B	Land Surveying	5
OPE 117B	Applied Math for Surveyors	5
OPE 121B	Boundary Surveys	5
OPE 122B	Construction Surveys	5

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprenticeship courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Operating Maintenance Engineers Associate of Applied Science if they are affected by the retroactive six year rule.



## Surveyors

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: OPESUV-CT

### PROGRAM DESCRIPTION

This program prepares students for employment as a Surveyor with the Operating Engineers Union. **This is a restricted entry program. Students MUST be indentured in the Operating Engineers Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

### STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable surveyors' tools.
- Comprehend and utilize formulas used in the calculations of all phases of surveyor's work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in surveyor's work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

### GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

#### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

### SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

OPE 101B	Introduction to Apprenticeship/Operation and Maintenance	5
OPE 110B	Technical Sketching	5
OPE 111B	Land Surveying	5
OPE 116B	Machinists/Surveyors Math	5
OPE 117B	Applied Math for Surveyors	5
OPE 270B	OSHA 30	2

Computation included in OPE 116B, 117B

Human Relations included in OPE 101B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any OPE journeyman course offered for credit may be substituted for any of the above OPE apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Operating Engineers Certificate of Achievement if they are affected by the retroactive six year rule.



**Teamster Convention Training**

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 61

DEGREE CODE: **CONVEN-AAS****PROGRAM DESCRIPTION**

This degree prepares students for employment as a Journeyman Convention Teamster with the Teamsters Union. **This is a restricted entry program. Students MUST be indentured in the Convention Teamster Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing math, science, and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

**STUDENT LEARNING OUTCOMES**

- Comprehend and utilize all applicable convention teamster tools.
- Comprehend and utilize formulas used in the calculations of all phases of convention teamster work.
- Demonstrate the ability to troubleshoot and repair any problems that arise in convention teamster work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

**GENERAL EDUCATION REQUIREMENTS (34 CREDITS)****MATHEMATICS (3 credits)**

MATH 116

**ENGLISH COMPOSITION (6 credits)**

ENG 101 or 102 or 107

**COMMUNICATIONS (6 credits)**

COM 101 and 215

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B; SOC 101

**NATURAL SCIENCE (7 credits)**

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

**FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)**

ART 160; ECON 100; PHIL 102; PSY 101

**U.S. AND NEVADA CONSTITUTIONS (6 credits)**

HIST 101 and HIST 102; or HIST 101 and HIST 217

**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

TMST 100B OSHA General Industry Class	1
TMST 120B Introduction to the Convention Industry	2
TMST 130B Beginning Decorating	2
TMST 140B Beginning Systems	1
TMST 150B Beginning Design and Repair	2
TMST 160B Beginning Installation and Dismantle	2
TMST 170B Forklift Theory	3
TMST 200B Advanced Forklift	3
TMST 220B Advanced Installation and Dismantle	3
TMST 230B Lead Foreman Training	2
TMST 240B First Aid/CPR	1
TMST 250B Condor Operating	3
TMST 260B Rigging	1
TMST 270B Scissor Lift	1

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any TMST journeyman course offered for credit may be substituted for any of the above TMST apprentice courses. Please contact the program coordinator for more details.

Special consideration will be given students who complete the TMST Associate of Applied Science Degree if they are affected by the retroactive six year rule.



# Teamster Convention Training

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: **CONVEN-CT**

## PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Convention Teamster with the Teamsters Union. **This is a restricted entry program. Students MUST be indentured in the Convention Teamster Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable convention teamster tools.
- Comprehend and utilize formulas used in the calculations of all phases of convention teamster work.
- Comprehend the ability to troubleshoot and repair any problems that arise in convention teamster work.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

TMST 100B OSHA General Industry Class	1
TMST 120B Introduction to the Convention Industry	2
TMST 130B Beginning Decorating	2
TMST 140B Beginning Systems	1
TMST 150B Beginning Design and Repair	2
TMST 160B Beginning Installation and Dismantle	2
TMST 170B Forklift Theory	3
TMST 200B Advanced Forklift	3
TMST 220B Advanced Installation and Dismantle	3
TMST 230B Lead Foreman Training	2
TMST 240B First Aid/CPR	1
TMST 250B Condor Operating	3
TMST 260B Rigging	1
TMST 270B Scissor Lift	1

Computation included in TMST 160B, 220B

Human Relations included in TMST 130B, 160B, 200B, 220B, 230B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any TMST journeyman course offered for credit may be substituted for any of the above TMST apprentice courses. Please see the program coordinator for details. Special consideration will be given students who complete the Teamster Convention Training, Certificate of Achievement if they are affected by the retroactive six year rule.





# Tile Setter

ASSOCIATE OF APPLIED SCIENCE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: TILE-AAS

## PROGRAM DESCRIPTION

This degree prepares students for employment as a Journeyman Tile Setter with the Tile Setters Union. **This is a restricted entry program. Students MUST be indentured in the Tile Setters Apprenticeship Program before enrolling in classes.** Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the work place. For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable tile setting tools.
- Comprehend and utilize formulas used in the calculations of all phases of tile setting.
- Demonstrate the ability to troubleshoot and repair any problems that arise in tile setting installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (33 CREDITS)

### MATHEMATICS (3 credits)

MATH 116

### ENGLISH COMPOSITION (6 credits)

ENG 101 or 102 or 107

### COMMUNICATIONS (6 credits)

COM 101 or 215; or ENG 101

### HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112; HIST 105; HMS 130; MGT 100B

### NATURAL SCIENCE (8 credits)

AST 101; BIOL 101; CHEM 103; EGG 131, 132; ENV 101; GEOG 103, 104; GEOL 100; PHYS 110

### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

ANTH 101; ART 160; ECON 102; MUS 121, 125; PHIL 102; PSY 101; SOC 101

### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)

PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

TLS 101B	Tile Setter Apprentice I	4
TLS 102B	Tile Setter Apprentice IB	4
TLS 105B	OSHA/First Aid/CPR for Tile Setters	3
TLS 151B	Tile Setter Apprentice II	4
TLS 152B	Tile Setter Apprentice IIB	4
TLS 201B	Tile Setter Apprentice III	4
TLS 202B	Tile Setter Apprentice IIIB	4

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any TLS journeyman course offered for credit may be substituted for any of the above TLS apprentice courses. Please contact the program coordinator for more details.
- Special consideration will be given students who complete the Tile Setters Trade Associate of Applied Science if they are affected by the retroactive six year rule.



# Tile Setter

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: TILE-CT

## PROGRAM DESCRIPTION

This program prepares students for employment as a Journeyman Tile Setter with the Tile Setters Union. **This is a restricted entry program. Students MUST be indentured in the Tile Setters Apprenticeship Program before enrolling in classes.** For further information, contact the Division of Apprenticeship Studies at 702-651-4163.

## STUDENT LEARNING OUTCOMES

- Comprehend and utilize all applicable tile setter tools.
- Comprehend and utilize formulas used in the calculations of all phases of tile setting.
- Comprehend the ability to troubleshoot and repair any problems that arise in tile setting installations.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

## GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

### COMMUNICATIONS (3 credits)

COM 101 or 215; or ENG 101

## SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

TLS 101B	Tile Setter Apprentice I	4
TLS 102B	Tile Setter Apprentice IB	4
TLS 105B	OSHA/First Aid/CPR for Tile Setters	3
TLS 151B	Tile Setter Apprentice II	4
TLS 152B	Tile Setter Apprentice IIB	4
TLS 201B	Tile Setter Apprentice III	4
TLS 202B	Tile Setter Apprentice IIIB	4

Computation included in TLS 101B, 102B, 151B, 152B, 201B, 202B

Human Relations included in TLS 101B, 102B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
  - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit [www.csn.edu/honors](http://www.csn.edu/honors).
  - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement which may be used to fulfill the corresponding general education or emphasis requirement.
  - Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
  - Any TLS journeyman course offered for credit may be substituted for any of the above TLS apprentice courses. Please contact the program coordinator for details. Special consideration will be given students who complete the Tile Setters Certificate of Achievement if they are affected by the retroactive six year rule.

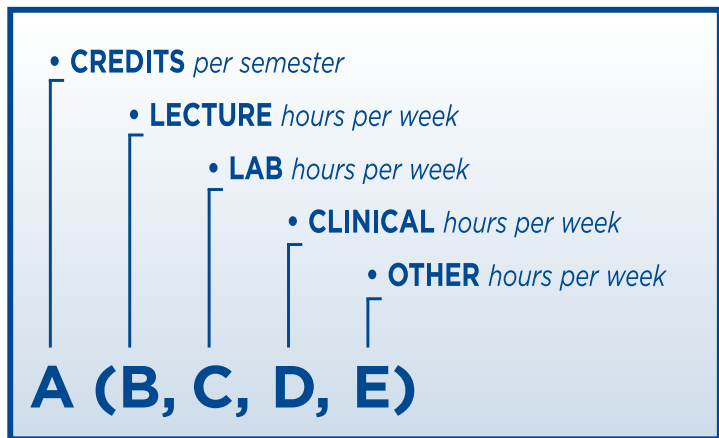


**COURSE DESCRIPTIONS**

The following course descriptions are intended to briefly describe the nature of each of the courses. For more complete information, departments or faculty can provide specific course syllabuses.

The numbers in the right side of each description define the credits and average weekly contact hours the student will spend in formal classes during a 16 week semester. Classes scheduled for other than a 16 week semester will have the contact hours adjusted accordingly.

- A** – defines the number of semester credits
- B** – average number of lecture hours per week
- C** – average number of laboratory hours per week
- D** – average number of clinical hours per week
- E** – average number of other formal instructional hours per week



In addition to these hours, students are expected to complete homework assignments on their own time. These assignments may include library research, computer utilization, field trips, cultural performances, and other instructional activities.

**EXAMPLE**

<b>ENG 101</b>	<b>Composition I</b>	<b>3 (3,0,0,0)</b>
	<b>3</b> credits	
	<b>3</b> lecture hours	
	<b>0</b> laboratory hours	
	<b>0</b> clinical hours	
	<b>0</b> other hours	

**APPRENTICESHIP**

Environmental and Construction Workers

**APP 102B Introduction to Apprentice Craft 4 (3,2,0,0)**

Skills in building, utility, heavy highway and environmental fields. Job site safety, first aid/CPR aid, hazard communication, OSHA awareness and human relations. Graded Pass/Fail.

**APP 104B General Construction 4 (4,1,0,0)**

Job preparation, planning, site and soils preparation. Material handling, storage, vertical/horizontal measuring techniques, transfer of grade points and safety topics. Graded Pass/Fail.

**APP 105B Concrete Flat Work 2 (1,2,0,0)**

This course covers mathematics, soil preparation and placement/consolidation procedures. Additional topics include set-up/stripping of forms and finishing of horizontal concrete placements. Graded Pass/Fail.

**APP 107B Concrete Walls and Columns Work 2 (1,2,0,0)**

This course covers mathematics, soil preparation and placement/consolidation procedures for vertical walls and columns. Additional topics include concrete equipment safety and proper hand signals. Graded Pass/Fail.

**APP 108B Body Mechanics and Fall Protection 1 (1,0,0,0)**

Proper lifting and prying techniques to minimize physical injuries. OSHA subpart M: fall protection standards. Graded Pass/Fail.

**APP 109B Bobcat Operation and Safety 1.5 (1,0.66,0,0)**

This course will cover the proper and safe operation of a Bobcat using either the front end loader or the backhoe attachment. Graded Pass/Fail.

**APP 120B Confined Space Awareness 2 (2,0,0,0)**

Definition and recognition of potential hazards involved with working in confined spaces. Air monitoring, protective equipment, evacuation and rescue techniques, OSHA standards and proper documentation. Graded Pass/Fail.

**APP 121B Line and Grade 4 (3,2,0,0)**

Maintaining elevation/alignment control of heavy highway/civil construction activities. Measurement systems, slope expressions, curb/gutter elevations and quantity calculations. Graded Pass/Fail.

**APP 122B Oxyfuel Gas Cutting 4 (3,2,0,0)**

Proper and safe use of oxygen and acetylene cutting torches. Various techniques in the construction and demolition field. Graded Pass/Fail.



**APP 123B Blueprint Reading for Laborers 3 (3,0,0,0)**

Plan reading skills in civil, architectural, structural/mechanical and electrical drawings. Graded Pass/Fail.

**APP 127B Rigging and Signaling 2 (2,1,0,0)**

Hoisting and signaling procedures, emphasis on load weights, distribution techniques, sling angles and ratios. Graded Pass/Fail.

**APP 128B Asphalt 2 (2,1,0,0)**

Placement, spreading and compaction of asphaltic materials. Repairing and patching techniques. Graded Pass/Fail.

**APP 130B Hazardous Waste Handling for Laborers 4 (3,2,0,0)**

Hazard recognition, identification, health effects, decontamination, protective equipment, material handling, storage and sampling techniques. Graded Pass/Fail.

**APP 132B Radiation 1 (1,1,0,0)**

Properties of radiation, sources of exposure, health effects, and detection instruments. Graded Pass/Fail.

**APP 133B Lead Renovator 1 (1,0,0,0)**

This course will focus on the approved procedures for identifying lead based paint hazards and minimizing lead dust generation and soil contamination during weatherization, maintenance, renovation and remodeling activities conducted on pre-1978 private housing and public use facilities. Graded Pass/Fail.

**APP 134B Lead Abatement 2 (2,1,0,0)**

Safe removal procedures for various materials containing lead. Health effects, work practices, disposal procedures, and protective equipment. Graded Pass/Fail.

**APP 135B Asbestos Supervisor 2 (2,0,0,0)**

This mandatory course meets all OSHA requirements for all workers involved in Class I and Class II asbestos abatement work. The course exceeds EPA's 32 hour minimum course requirements stipulated under 40 CFR Part 763. Graded Pass/Fail.

**APP 136B Asbestos Abatement 2 (2,1,0,0)**

Hazards, health effects, abatement techniques, safe work practices, protective equipment and regulations pertaining to asbestos removal. Graded Pass/Fail.

**APP 137B Pipe Laying (Gravity Flow) 2 (1,2,0,0)**

This course covers trenching, shoring and soil types. Additional topics include worker protective systems and confined space entry requirements. Graded Pass/Fail.

**APP 139B Pipe Laying (Pressurized) 2 (1,2,0,0)**

This course covers installing, joining and testing of pressurized piping systems. Additional topics include worker protective systems, confined space entry requirements and safety inspections. Graded Pass/Fail.

**APP 140B Scaffold Building 2 (1,2,0,0)**

Basic scaffold assembly in a variety of situations. OSHA standards for scaffolds and ladders. Graded Pass/Fail.

**APP 142B Forklift Operations and Awareness 1 (1,0,0,0)**

Instruction on forklift operations with emphasis on the rough terrain forklift. Proper operation and maintenance procedures along with OSHA regulations and standards. Graded Pass/Fail.

**APP 144B Operation of Motor Driven Power Equipment 1 (1,0,0,0)**

This course covers the operation and safety requirements of powered equipment. The OSHA requirements for personal protective equipment and inspection are also covered. Graded Pass/Fail.

**APP 146B Operation of Concrete Core Drilling, Saw Cutting and Compaction Equipment 1 (1,0,0,0)**

This course covers the operation and safety requirements of powered cutting, core drilling and compaction equipment. Additional topics include OSHA regulations regarding hazardous equipment. Graded Pass/Fail.

**APP 150B Mason Tending (Trowel) 2 (1,2,0,0)**

This course covers the safety requirements for operator hand signals, vehicle operation and material handling. Additional topics include tool/material identification and tube/coupler scaffolding. Graded Pass/Fail.

**APP 152B Plaster Tending (Mixing) 2 (1,2,0,0)**

Safety hazards associated with plaster tending and material data sheets are presented. OSHA safety standards for mixing plaster, clean up of plaster mortar, synthetic plaster and additives are covered. Graded Pass/Fail.

**APP 160B Miners Preparedness and Awareness 4 (3,2,0,0)**

Awareness of hazards and working conditions stressed for workers in mines and tunnel shaft reinforcement techniques. Graded Pass/Fail.

**APP 161B Underground Electric Conduit Installation 1 (0,2,0,0)**

Terms and definitions. Soil characteristics for type A, B and C soils. Trenching, shoring and excavations. Back-fill compaction techniques. Proper bedding procedures. Graded Pass/Fail.



**APP 162B Drilling and Blasting 4 (3,2,0,0)**

Operation and safe use of drilling equipment. Explosive blasting agents, caps and layout methods. Graded Pass/Fail.

**APP 163B Tunnel and Shaft 3 (2,2,0,0)**

The recognition of underground construction hazards and the action following safety standards taken to eliminate them or control them. Graded Pass/Fail.

**APP 164B Pneumatic Air Tool Handling 2 (0,4,0,0)**

Operation, storage, maintenance and protective equipment relating to air tools common to construction sites. Graded Pass/Fail.

**APP 165B Rock and Water 1 (0,2,0,0)**

Mixing of plaster mixes and application to semi-structural and structural fabricated wire mesh. Use of latex molds and installation of prefabricated artificial rock sections. Graded Pass/Fail.

**APP 166B Mine Rescue 1 (1,0,0,0)**

Mine safety and proper techniques for first responder. First aid and rescue procedures for mine and tunnel shaft workers. Graded Pass/Fail.

**APP 167B Drywall Stocking 1 (0,2,0,0)**

Calculating square footage by reading the blueprint as to the amount of drywall needed in a particular room and stocking it there. Graded Pass/Fail.

**APP 168B Microbial Remediation 1 (1,0,0,0)**

Safe abatement procedures for bacterial growth in walls and framework of buildings. Graded Pass/Fail.

**APP 169B Landscaping 1 (0,2,0,0)**

Proper use of hand tools and machinery related to sprinkler trenching. Techniques in using solvents and solvent cements as it applies to sprinkler installation. Graded Pass/Fail.

**APP 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Laborers trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**APP 200B OSHA for Laborers 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Laborers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders and scaffolding. Graded Pass/Fail.

**APP 212B Foreman Preparedness 2 (2,0,0,0)**

This course provides prospective foreman the human relations skills and leadership techniques needed in the construction industry. Topics include communication, project organization and problem solving. Graded Pass/Fail.

**APP 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Laborers trade. Graded Pass/Fail.

**APP 263B Weatherization Installation Technician 5 (4,2,0,0)**

Building Science is detailed. Sealing the building envelope is demonstrated. Insulating and sealing ductwork is displayed. Installing insulation is illustrated. Graded Pass/Fail.

**APP 266B Weatherization Supervisor 3 (3,0,0,0)**

Inspecting and monitoring the job site is detailed. Diagnostic testing procedures are demonstrated. How to conduct and interpret combustion appliance safety and efficiency tests is illustrated. Graded Pass/Fail. Prerequisite: APP 263B.

**APP 269B Weatherization Energy Auditor 3 (3,0,0,0)**

This course covers the selection, use and operation of diagnostic equipment for energy efficiency. Job planning, material selection and interpreting diagnostic results are also covered. Graded Pass/Fail. Prerequisites: APP 263B, and APP 266B.

Heat and Frost Insulators

**ASB 101B Asbestos Worker I 4 (3,2,0,0)**

Understanding and competency in applied math for insulators, labor history and fundamental insulation for piping.

**ASB 102B Asbestos Worker II 3 (3,0,0,0)**

Understanding and competency in vapor barriers and construction safety.

**ASB 111B Asbestos Worker III 3 (3,0,0,0)**

Understanding and competency on a higher level in construction safety and applied math for insulators.

**ASB 112B Asbestos Worker IV 5 (4,2,0,0)**

Understanding and competency in fundamental insulation of equipment.

**ASB 120B Asbestos Worker V 4 (3,2,0,0)**

Understanding and competency in advanced metal jacketing for piping.

**ASB 121B Asbestos Worker VI 4 (3,2,0,0)**

Understanding and competency in advanced metal jacketing for equipment.

**ASB 150B Environmental Survey 2 (1,2,0,0)**

This course introduces the student to the operation and analysis of thermal images produced by an Infrared Thermal Camera. Topics include software used and report analysis created by the system. Graded Pass/Fail.





**ASB 160B Environmental Survey II 2 (1,2,0,0)**

This course focuses on advanced facility inspections and infrared images to collect data and create Energy Insulation Survey reports. Prerequisite: ASB 150B. Graded Pass/Fail.

**ASB 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Heat and Frost Insulators trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**ASB 201B Asbestos Worker VII 6 (5,2,0,0)**

Understanding and competency in removable insulation design, blueprint codes and specifications.

**ASB 202B Asbestos Worker VIII 6 (5,2,0,0)**

Understanding effective supervision and all aspects of construction safety.

**ASB 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Heat and Frost Insulators trade. Graded Pass/Fail.

**Bricklayers**

**BRL 101B Bricklayers' Apprentice I 4 (2,4,0,0)**

Labor/management relations, math, safety, clothing and tools. Materials and equipment. Basic tool/mortar manipulation for spreading, buttering and mason tending. Overhand and veneer bricklaying.

**BRL 102B Bricklayers' Apprentice IB 4 (2,4,0,0)**

Laying 8"x4", 4"x8", and 8"x8"x16" block. Working masonry veneer with 4"x4"x16", 4"x8"x16" block and brick. Math and safety.

**BRL 105B OSHA/First Aid/CPR for Bricklayers 3 (3,0,0,0)**

Standards pertaining to construction. Techniques of administering first aid and cardiopulmonary resuscitation. Graded Pass/Fail.

**BRL 151B Bricklayers' Apprentice II 4 (2,4,0,0)**

Erecting brick masonry veneer. Working the brick and block leads, corners and piers. Math and safety.

**BRL 152B Bricklayers' Apprentice IIB 4 (2,4,0,0)**

Working the masonry wall with 4" brick and brick/block cavity. Working the mechanical wall using 4" brick/block and 8"x8"x16" block. Math and safety.

**BRL 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Bricklayers' trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**BRL 201B Bricklayers' Apprentice III 4 (2,4,0,0)**

Laying pavers using the one and two step method. Building regular and heat form fireplaces. Masonry arch construction using basic block. Math and safety.

**BRL 202B Bricklayers' Apprentice IIIB 4 (2,4,0,0)**

Masonry arch construction using basic block. Rake wall/chimney off methods for masonry veneering. Radius wall method using glass block or brick. Math and safety.

**BRL 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Bricklayers' trade. Graded Pass/Fail.

**Cement Masons**

**CMA 111B Cement Mason Apprentice I 4 (3,2,0,0)**

Identify and employ proficiency using various hand tools for repairing concrete surface defects or finishing concrete. OSHA 10 is presented along with safety procedures while operating on scaffolds, scissor and/or boom lifts.

**CMA 112B Cement Mason Apprentice IB 3 (2,2,0,0)**

Identify and demonstrate treatment methods in repairing concrete surface defects. First aid/CPR are demonstrated and practiced. Sexual Harassment Prevention I and Respirator Fit are presented.

**CMA 141B Cement Mason Apprentice II 3 (2,2,0,0)**

Using levels and transits to determine site layout to include drives, approaches, curbs, and gutters are demonstrated and practiced. Calculate and apply measurements in forming steps to specifications.

**CMA 142B Cement Mason Apprentice IIB 4 (3,2,0,0)**

Fundamental math, estimating, measuring, and blueprint reading are presented and practiced. Proficiency in first aid/CPR is repeated. Sexual Harassment Prevention II is presented. Hard troweled floors and decorative saw cutting are demonstrated.

**CMA 201B Cement Mason Apprentice III 3 (2,2,0,0)**

Structural repairs including epoxy injection and the use of power screeds are demonstrated and practiced. Various floor finishes including stenciling and imprinting designs on concrete are demonstrated and practiced.

**CMA 202B Cement Mason Apprentice IIIB 4 (2,4,0,0)**

Application of chemical staining/sealants, along with operating a troweling machine and rough terrain forklift are demonstrated and practiced. Pervious and other concrete finishes are demonstrated and practiced. Proficiency in first aid/CPR is repeated.





**CMA 251B Cement Mason Apprentice IV 3 (2,2,0,0)**

Demonstrate curing and other protection methods of wet concrete. Develop working knowledge of shotcrete, abrasive blasting, epoxy floors and special coatings. Tilt-up panels and underlayment/overlay processes are also discussed.

**CMA 252B Cement Mason Apprentice IVB 4 (3,2,0,0)**

OSHA 30 is presented along with safety procedures while working on scaffolds, scissor, and/or boom lifts. Develop working knowledge of soil conditions and sub-grade preparation. Certify ACI Flatwork Finisher and Technician.

Carpenters

**CPT 102B Orientation 2 (2,0.66,0,0)**

This course provides an overview of the construction industry, safety, and green building awareness. Successful students will receive OSHA 10 certification and UBC qualification cards.

**CPT 104B Safety and Health Certifications 2 (2,0.66,0,0)**

This course covers the safe and appropriate use of scaffolds, aerial lift equipment, and emergency response procedures. Successful students will receive First Aid and CPR certification and UBC qualification cards.

**CPT 105B Basic Wall Framing 1.5 (1.33,1.33,0,0)**

This course presents the theory, methods, and procedures required to frame basic walls. Hands-on practice using proper tool techniques and appropriate materials will enhance fundamental skill development.

**CPT 107B Print Reading 2 (2,0.66,0,0)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and the role of specifications as they relate to prints will be discussed.

**CPT 109B Basic Roof Framing 1.5 (1.33,1.33,0,0)**

This course provides an introduction to basic gable roof framing, terminology and construction characteristics. Students will interpret print views and drawing elevations for job planning, and to determine rafter systems and layout details.

**CPT 111B Wall Forming 1.5 (1.33,1.33,0,0)**

This course provides forming methods for reinforced concrete walls. Blueprint reading, estimating, introduction to form design, and hands-on single and double-waler forming projects are included in training.

**CPT 113B Doors and Door Frames 1.5 (1.33,1.33,0,0)**

This course covers the installation process from constructing rough openings to hanging and adjusting doors. An emphasis will be placed on print interpretation, door schedules, symbols, and hardware recognition.

**CPT 115B Transit Level/Laser 2 (2,0.66,0,0)**

This course covers the terminology, optical principles, and operating procedures for the transit and laser levels. Students will set up levels, determine benchmarks, take and record elevation readings.

**CPT 117B Foundations and Flatwork 1.5 (1.33,1.33,0,0)**

This course covers the design and function of several types of foundations and concrete flatwork. The methods, techniques and procedures for formwork layout, elevation, and construction will be presented.

**CPT 119B Bridge Construction 1.5 (1.33,1.33,0,0)**

This course provides students with an overview of basic bridge construction. Descriptions for exterior and interior girders, edge forms, bulkheads and hinge forms will be presented.

**CPT 121B Stair and Ramp Forming 1.5 (1.33,1.33,0,0)**

This course provides the students with the methods, procedures and practices used to form stair and ramp structures. State and Federal building codes pertaining to stairs and ramps will be covered in this class.

**CPT 123B Beam and Deck Forming 1.5 (1.33,1.33,0,0)**

This course will introduce the use of various woods, and patented forming systems for construction of concrete beams and decks. Students will identify formwork types and installation techniques including calculating materials and setting beam and deck forms.

**CPT 125B Cabinet Millwork and Assembly 1.5 (1.33,1.33,0,0)**

This course details cabinetry fabrication from design and function, through the complete production process. An emphasis will be placed on print interpretation, job planning and proper construction sequence.

**CPT 127B Commercial Floor Framing 1.5 (1.33,1.33,0,0)**

This course covers floor joist construction and the various installation techniques used within the commercial industry. Students will interpret floor plans for job planning, interpretation of the applicable floor joist system and to calculate material take offs.



**CPT 129B    Advanced Print Reading    2 (2,0.66,0,0)**

In this course, students will analyze multi-view drawings to determine construction type, locate benchmark, find building element and review codes, references, and perform calculations for construction purposes.

**CPT 131B    Cabinet Installation    2 (2,0.66,0,0)**

This comprehensive course covers cabinet installation from establishing the design layout to attaching countertops. An emphasis will be placed on print interpretation, job planning, and proper installation sequence.

**CPT 133B    Moldings and Trim    1.5 (1.33,1.33,0,0)**

This course covers how moldings and trims are utilized to finish exterior and interior construction design features. The tools and techniques for cutting, coping and installing various molding and trim types are presented.

**CPT 135B    Tilt-Up  
Panel Construction    1.5 (1.33,1.33,0,0)**

This class will cover layout techniques on a typical tilt-up panel and the importance of layout methods in squaring a panel. Identifying specific openings and the location of finish floor lines and roof lines through blueprint reading will be included.

**CPT 137B    Rigging    2 (2,0.66,0,0)**

This course presents both lifting theory and practical rigging methods and procedures. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Successful students will receive UBC rigging qualification cards. Graded Pass/Fail.

**CPT 139B    Solar Installer I    1.5 (1.33,1.33,0,0)**

This course covers the design and function of several types of solar installation. The methods, sequences and procedures for mounting layout, elevation/positioning, and assembly for solar construction will be presented.

**CPT 141B    Basic Metal Framing    1.5 (1.33,1.33,0,0)**

This course provides an overview of residential metal framing theory and construction techniques. Students will interpret prints for job planning and to estimate materials.

**CPT 143B    Doors and  
Door Hardware    1.5 (1.33,1.33,0,0)**

This course covers the installation process for several types of security and exit door hardware. Discussion of electrical and card reader systems will be included. An emphasis will be placed on print interpretation, codes, door schedules, symbols, and hardware recognition.

**CPT 145B    Scaffold Erector  
Qualification    2 (2,0.66,0,0)**

This course will cover the basic techniques and procedures associated with frame, system, and tube/clamp scaffold components. Successful students will receive UBC qualification card.

**CPT 147B    Trade Show    1.5 (1.33,1.33,0,0)**

This course will introduce technical installation and social skills pertaining to the trade show industry. Students will identify configurations and install components for selected types of booths.

**CPT 170B    OSHA 10    0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Carpenters trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**CPT 240B    First Aid/CPR    0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Carpenters trade. Graded Pass/Fail.

**CPT 270B    OSHA 30    2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Carpentry trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**Drywall Applicator**

**DWA 101B    Orientation    2 (2,0.66,0,0)**

This course provides an overview of the construction industry, safety and green building awareness. Successful students will receive tool certification and UBC qualification cards.

**DWA 103B    Safety and  
Health Certifications    2 (2,0.66,0,0)**

This course will provide safety and health training that meets the needs of the interior systems industry. The content of the course will include certification in Power Industrial Trucks, Aerial Lift, American Red Cross First Aid/CPR/AED and OSHA 10.

**DWA 105B    Basic Metal Framing    1.5 (1.33,1.33,0,0)**

Designed to familiarize students with light gage steel products used in the interior systems industry, this course identifies safe tool use, framing materials, various trims and installation techniques.

**DWA 107B    Print Reading    2 (2,0.66,0,0)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and dimension calculations will be used to complete basic layout for various types of commercial projects.



**DWA 109B Basic Lathing 1.5 (1.33,1.33,0,0)**

This course introduces basic lathing materials and tools used in the industry for exterior/interior installations. Tool safety, waterproofing, lath and trim application procedures will be explained and demonstrated.

**DWA 111B Drywall Application 1.5 (1.33,1.33,0,0)**

This course will focus on the needed skills to properly handle and install drywall used in specialized applications including fire resistance and sound control.

**DWA 113B Drywall Installation/ Finish Trims 1.5 (1.33,1.33,0,0)**

This course will introduce drywall handling methods, applications and recommended levels of drywall finish to achieve the desired esthetics. An emphasis will be placed on trim attachment and finishing techniques.

**DWA 115B Framing Ceilings and Soffits 1.5 (1.33,1.33,0,0)**

This course identifies various applications and materials used for fire rated walls, ceilings and soffits. Methods and procedures used for layout and template development, drywall and trim attachment are covered.

**DWA 117B Framing Curves and Arches 1.5 (1.33,1.33,0,0)**

This course provides instruction in framing methods for curves and arches and their related structural limitations. Identify the various wall and ceiling types, layout principles and materials used for each. Lath applications and trim are also presented.

**DWA 119B Framing Suspended Ceilings 1.5 (1.33,1.33,0,0)**

This course identifies the materials used for various types of suspended ceilings and drywall grid systems. The principles of suspension layout, suspension methods and attachment procedures will be presented.

**DWA 121B Advanced Metal Framing 1.5 (1.33,1.33,0,0)**

This course will begin with a quick review of basic metal framing followed by detailed procedures for framing curved, serpentine and elliptical non-load bearing partitions.

**DWA 123B Advanced Lathing 1.5 (1.33,1.33,0,0)**

This course presents advanced methods and application techniques for lath and trim products used on exterior/interior metal framing.

**DWA 125B Drywall/ Acoustical Ceilings 1.5 (1.33,1.33,0,0)**

This course identifies the materials and methods used for the installation of acoustical ceilings. Seismic codes, materials and requirements are covered along with installation procedures for various grid systems.

**DWA 127B Advanced Print Reading 2 (2,0.66,0,0)**

This course will provide in-depth training for on-the-job print reading scenarios. The role of specifications and the importance of codes and regulations will be presented.

**DWA 129B Free-Form Lathing 2 (2,0.66,0,0)**

This course provides a comprehensive study of the theory and techniques used for the development of free-form lathing projects, including design and cage work development.

**DWA 131B Light Gage Welding - AWS 2 (2,0.66,0,0)**

The content of this course will focus on written and performance test requirements. Test plates for AWS performance testing will be produced. Successful students will receive AWS D1.3 Light Gage Certification.

**DWA 133B Firestop/Fireproofing Procedures 2 (2,0.66,0,0)**

This course will focus on the correct methods, technical skills and fireproofing materials required in the work place today. Strict building codes mandate the importance of certified training.

**DWA 135B Reinforced Substrate Installations 1.5 (1.33,1.33,0,0)**

This course will present the applications, techniques and product considerations typical of reinforced substrate installations. The training will focus on Glass Fiber Reinforced Gypsum (GFRG) and Glass Fiber Reinforced Concrete (GFRC) products.

**DWA 137B Scaffold Erector Qualification 2 (2,0.66,0,0)**

This course will cover the basic techniques and procedures associated with frame, system and tube/clamp scaffold components. Successful students will receive UBC qualification card. Graded Pass/Fail.

**DWA 139B Light Gage Welding - AWS A 1.5 (1.33,1.33,0,0)**

This course covers AWS light gage welding methods, codes and techniques. Hands-on experience will reinforce proper use of the welding procedures.

**DWA 141B Exterior Insulation Finish Systems - EIFS 1.5 (1.33,1.33,0,0)**

This course is an introduction to exterior insulation finish systems including terminology, definitions and specifications. Reinforcing mesh, insulation board installation and application methods for primers and finishes will be covered.

**DWA 143B Door and Door Frames 1.5 (1.33,1.33,0,0)**

Designed as an introduction to the doors and door frames used in the interior systems industry, the course discussions will incorporate applicable regulation governing door openings and door selection.



**DWA 145B Transit Level/Laser 2 (2,0,0.66,0,0)**

This course covers the terminology, optical principles and operating procedure for transit and laser levels. Students will set up levels, determine benchmarks and take and record elevation readings.

**DWA 147B Basic Hand Finishing 1.5 (1.33,1.33,0,0)**

This course develops basic hand finishing skills using the correct tools and materials. The training will include a description of finishing levels, hand tool manipulation, material identification, selection and mixture preparation.

**Drywall Finishers**

**DWF 101B Orientation 1.5 (1.33,1.33,0,0)**

This course provides an overview of the construction industry, safety and green building awareness. Successful students will receive tool certification and UBC qualification cards.

**DWF 103B Safety and Health Certifications 1.5 (1.33,1.33,0,0)**

This course will provide safety and health training that meets the needs of the interior systems industry. The content of the course will include certification in Power Industrial Trucks, Aerial Lift, American Red Cross First Aid/CPR/AED and OSHA 10.

**DWF 105B Basic Hand Finishing 1.5 (1.33,1.33,0,0)**

This course develops basic hand finishing skills using the correct tools and materials. The training will include a description of finishing levels, materials and mixture preparation.

**DWF 107B Print Reading 1.5 (1.33,1.33,0,0)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. View, elevations and dimension calculations will be used to complete basic layout for various types of commercial projects.

**DWF 109B Automatic Finishing Tools 1.5 (1.33,1.33,0,0)**

This course will present basic automatic tool techniques and introduce finish schedule interpretation. Hands-on instruction with machine tools and the importance of proper use, assembly and breakdown will be included.

**DWF 111B Finishing Trims 1.5 (1.33,1.33,0,0)**

In this course an emphasis will be placed on trim attachment and finishing techniques. Local sources and waste reduction will be discussed.

**DWF 113B Advanced Hand Finishing 1.5 (1.33,1.33,0,0)**

This course will focus on advanced methods and applications using hand tool techniques. Emphasis on proper sequence of operation, phases and materials to be used in order to produce a higher level finished product to industry standards.

**DWF 115B Ceiling and Soffit Finishing 1.5 (1.33,1.33,0,0)**

This course is designed to provide an advanced level of finishing skill for applications with architecturally detailed ceilings and soffits.

**DWF 117B Advanced Automatic Finishing Tools 1.5 (1.33,1.33,0,0)**

This course will advance the methods, applications and sequences of the bazooka, skim boxes, nail spotters, angle boxes and emphasis ergonomics.

**DWF 119B Decorative Trims 1.5 (1.33,1.33,0,0)**

This course provides advanced hand and automatic tool finishing techniques used to apply decorative trims. Special attention will be given to specialty trim installation sequence and waste reduction.

**DWF 121B Wet Wall Finishes 1.5 (1.33,1.33,0,0)**

This course will present the industry application methods and product mediums typically used for wet wall finishes. Selection and use of painting equipment and low VOC coatings will be included in the training.

**DWF 123B Machine and Hand Applied Textures 1.55 (1.33,1.33,0,0)**

This training includes product information for texturing materials and application techniques. Special attention will be given to exploring environmentally safe products and materials.

**DWF 125B Drywall Application and Scaffold Safety 1.5 (1.33,1.33,0,0)**

This course will focus on environmentally safe materials and the needed skills to properly handle and install drywall. Scaffold set up and safe use will be emphasized in the hands-on activity.

**DWF 133B Firestop/Fireproofing Procedures 1.5 (1.33,1.33,0,0)**

This course will focus on the correct methods, technical skills and fireproofing materials required in the work place today. Strict building codes mandate the importance of certified training.

**Electrical**

**ELEC 111B Electrical Apprentice I 4 (3,3,0,0)**

History and structure of the I.B.E.W. Introduction to mathematics, tools and materials. Fundamentals of electron theory and job-site safety requirements are also discussed.

**ELEC 112B Electrical Apprentice II 4 (3,3,0,0)**

Introduction to basic electrical circuits. AC and DC current generation systems are discussed. Fundamentals of single phase and multiphase circuit wiring are introduced.





**ELEC 115B Residential Apprentice I 4 (4,0,0,0)**

Trade history, safety, identification of tools, equipment, materials, knot tying and the National Electrical Code. Mathematical electron theory, Ohm's Law, circuits, switches, receptacles, fasteners and conduit bending.

**ELEC 116B Residential Apprentice II 4 (4,0,0,0)**

Resistance in DC series, parallel and combination circuits. Current reactions, voltage functions and power calculations. Wire sizing, insulation properties, switches, multiple wire and phase systems.

**ELEC 117B Residential Apprentice III 4 (4,0,0,0)**

Job costing and drawing structured wiring systems. Comparing DC and AC, AC resistance, inductance and capacitance. Transformer principles, electromagnetism, and generators. Branch and appliance circuits.

**ELEC 118B Residential Apprentice IV 4 (4,0,0,0)**

Wiring methods, cable assemblies. Identifying boxes, fillings, panel boards, bending, grounding, watt-hour meters. Motor circuit calculations. AC/heating thermostats, furnace controls and wiring systems.

**ELEC 119B Residential Apprentice V 4 (3,3,0,0)**

Over current protection using fuses/circuit breakers. Electrical load calculation. Telephone systems, circuitry, wiring, ISDN connections and cabling. Sound systems, air conditioning/refrigeration and motors.

**ELEC 120B Residential Apprentice VI 4 (3,3,0,0)**

Home automation including pools and fountains. Security systems and alarm sensors. Solar power generation. Fire alarms and smoke detectors. Fiber optic installation.

**ELEC 121B Electrical Apprentice III 4 (3,3,0,0)**

National Electrical Code, mathematics of AC circuits, branch circuits, electrical testing, general lighting (incandescent and fluorescent), inductance, rectifiers and industrial safety.

**ELEC 122B Electrical Apprentice IV 4 (3,3,0,0)**

Introduction to transformer theories and applications. Principles of motor control and fire alarm systems are discussed. Safety topics and rigging requirements are covered.

**ELEC 127B Mobile Equipment Safety 1 (1,0,0,0)**

Mobile equipment safety procedures pertaining to work platforms, lift trucks and aerial boom lifts. Graded Pass/Fail.

**ELEC 131B Electrical Apprentice V 4 (3,3,0,0)**

Wiring systems, power factors, AC motors, control circuits, protective devices and safety.

**ELEC 132B Electrical Apprentice VI 4 (3,3,0,0)**

Three phase voltage and current relationships, Class I, II and III installations, circuit analysis, troubleshooting, fluorescent lighting and ballasts, National Electrical Code, first aid and safety.

**ELEC 137B OSHA 30 2 (2,0,0,0)**

OSHA policy and procedures pertaining to fall protection, electrical safety, materials handling, excavations, confined space, ladders, stairways, scaffolding, personal protective equipment and hazard communication. Graded Pass/Fail.

**ELEC 141B Electrical Apprentice VII 4 (3,3,0,0)**

The National Electrical Code is discussed. Additional topics include basic electronic circuit components, emergency lighting circuits and leadership development.

**ELEC 142B Electrical Apprentice VIII 4 (3,3,0,0)**

Special transistor circuits, static control logic circuits, instrumentation (electricity, temperature and pressure), static control circuit analysis.

**ELEC 150B Electrical Apprentice IX 4 (3,3,0,0)**

Human relations, low voltage, process control, telecommunication and high voltage testing.

**ELEC 152B Electrical Apprentice X 4 (4,0,0,0)**

Air conditioning/refrigeration, cable faults, UPS and programmable logic controllers.

**ELEC 161B Installer/Technician Apprentice I 4 (3,3,0,0)**

Math covering fractions, decimals, metric system, powers of ten and algebra. The structure of matter, electron theory, Ohm's Law, resistance/current/voltage/power in series circuits.

**ELEC 162B Installer/Technician Apprentice II 4 (3,3,0,0)**

Voltage resistance, current, power in parallel circuits, wire properties, conductor insulation, cabling and transmission, unshielded/shielded twisted pair cables and coaxial cabling systems. Fiber optics.

**ELEC 163B Installer/Technician Apprentice III 4 (3,3,0,0)**

DC combination circuits, voltage polarity and drops. DC comparison to AC. Three phase systems, magnetism and electromagnetism. Telephone circuitry/cabling and analog vs. digital signals.

**ELEC 164B Installer/Technician Apprentice IV 4 (3,3,0,0)**

Horizontal and backbone cabling. Grounding and banding. Network cabling and terminal-to-host computer networks. Servers, hubs, routers and bridges. Paging systems and telephone system interface.



**ELEC 165B Installer/Technician  
Apprentice V 4 (3,3,0,0)**

Inductive capacitive reactance, Kirchoff's Law, Thevenin's/Norton's theorems. Semiconductor diodes. Transistors, oscillators, integrated circuits, radio receivers, CCTV security systems. Video signal transmission, monitors, and recorders.

**ELEC 166B Installer/Technician  
Apprentice VI 4 (3,3,0,0)**

Camera pan/tilt mechanisms and housings. Video motion detectors and electronic image splitting. Doors, gates, turnstiles and electric locks. Home automation and nurse call systems.

**ELEC 171B Sign Apprentice I 4 (4,0,0,0)**

History, safety, identifying tools and equipment, knot tying and hoisting loads, sheet metal types. Fractions and trigonometric functions, conduit, neon tube types, voltage polarity and drops bending.

**ELEC 172B Sign Apprentice II 4 (4,0,0,0)**

Energized circuits and potential hazards. Electrical magnetism, aluminum conductors, overcurrent protection devices and ground fault interrupters. Arc and oxyacetylene welding. National Electric Code and blueprint reading.

**ELEC 173B Sign Apprentice III 4 (4,0,0,0)**

Three phase systems, circuit calculations and generators. Electrical test instruments including multimeters and oscilloscopes. Capacitors, divider and rectifiers. Vectors, RL circuits and LCR circuits.

**ELEC 174B Sign Apprentice IV 4 (4,0,0,0)**

Designing the sign. Glass bending, pumping systems, bombarding filling, testing and aging the complete luminous-tube sign. Neon sign chemistry. Production of fluorescent tubes.

**ELEC 175B Sign Apprentice V 4 (4,0,0,0)**

Kirchoff's Laws, Thevenin's and Norton's Theorems. Semiconductors and Zener diodes. Power supplies, transducers, transistors, switching and basing techniques. SCRs, triacs, diacs, UJTs, amplifiers, JFETs and MOSFETs.

**ELEC 176B Sign Apprentice VI 4 (4,0,0,0)**

Grounding, calculation of ground fault currents. Methods used for earth testing. Brazing and welding aluminum. Transformer overcurrent protection. Fuses, circuit breakers and short circuit calculations.

**ELEC 177B Sign Apprentice VII 4 (4,0,0,0)**

Lightning protection systems. AC, DC, repulsion, universal and polyphase motors. High voltage and insulation testing. Manual starters, magnetic coils, overload and phase failure relays.

**ELEC 178B Sign Apprentice VIII 4 (4,0,0,0)**

AC motor starters, stepping motors, wound-rotor and synchronous motor controls. Remote control and power limited circuits. Determining conductor ampacity. Calculating raceway fill. Fiber optics.

**ELEC 230B Fire Alarm Systems - Level I 2 (2,0,0,0)**

This course provides a detailed discussion on the topics associated with the installation of fire alarm systems.

**ELEC 235 Fire Alarm Systems - Level II 1 (1,0,0,0)**

This course is a continuation of ELEC 230B. The student will be preparing and testing for the State of Nevada F Card certification.

**ELEC 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Electrical trade. Graded Pass/Fail.

**ELEC 250B Photovoltaic Systems 5 (5,0,0,0)**

The course format includes both classroom instruction and hands-on participation, along with the complete process of designing, installing and commissioning photovoltaic systems.

**ELEC 260B Photovoltaic Systems II 3 (3,0,0,0)**

This course format includes both classroom instruction and hands-on participation dealing with photovoltaic net-metering systems, hybrid, and battery based (off grid) system designs.

**ELEC 270B Instrumentation - Level I 4 (3,2,0,0)**

This course will be the introduction to the fundamentals of instrumentation and process control.

**ELEC 275B Instrumentation - Level II 4 (4,0,0,0)**

This course is a continuation of ELEC 270B. The student will be preparing for the EPRI/ISA written exam.

**ELEC 280B SMAW - Shielded Metal  
Arc Welding 4 (3,2,0,0)**

This course will aid the student in developing the welding skills and techniques necessary in the industry through theory and practical application in a welding lab.

Floor Coverers

**FLCV 100B Introduction to the Union  
and Construction Trade 1 (1,0,0,0)**

The socioeconomic history of Unions as well as employability skills are the primary topics in this class.

**FLCV 111B Introduction to  
the Flooring Trade 3 (3,0,0,0)**

Resilient floor coverings, trim products, adhesives, underlayments, tools and equipment, as the basic materials needed by the floor coverer, are presented.





**FLCV 121B Floor Installation Process 5 (3,4,0,0)**

Procedures for the preparation of different surfaces are discussed. Installation of sheet goods, laminate and floor tile is also covered.

**FLCV 131B Carpet Installation Process 5 (3,4,0,0)**

Different types of carpeting and installation methods are discussed. Techniques for seaming, pattern match and woven installation are also covered.

**FLCV 141B Special Floors and Finishes 3 (2,2,0,0)**

Procedures for the installation of safety flooring is discussed. Purpose and maintenance of specialty flooring is also discussed.

**FLCV 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Floor Coverers trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**FLCV 200B Math for Floor Coverers 2 (2,0,0,0)**

The mathematical concepts from arithmetic, algebra and Pythagorean Theorem are covered. Measuring and estimating job costs are also covered.

**FLCV 211B Drawings (Blueprints) for Floor Coverers 2 (2,0,0,0)**

Aspects of blueprints including terminology, symbols and specifications are discussed. Additional topics include contract documents and construction methods.

**FLCV 221B Safety Awareness 4 (4,0,0,0)**

First aid, CPR and OSHA regulations are discussed in detail. Additional topics include hazardous materials, ergonomics and personal protective equipment.

**FLCV 231B Leadership 2 (2,0,0,0)**

Effective leadership skills including organization, planning and job scheduling are discussed. Recognizing personality types and communication methods are also covered.

**FLCV 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Floor Coverers trade. Graded Pass/Fail.

**FLCV 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Floor Coverers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**Glaziers**

**GLZR 111B Glazier I 5 (4,2,0,0)**

Covers the history of the trade, mathematics, hand tools, glass fabrication, power tool safety and sealants.

**GLZR 112B Glazier II 3 (2,2,0,0)**

Covers installing glass replacements, setting blocks, mirror mounting, communication, safety, rigging and hoisting.

**GLZR 121B Glazier III 4 (3,2,0,0)**

Covers glazing codes, sealants, mathematics, shop drawings, transits and leveling.

**GLZR 122B Glazier IV 3 (3,0,0,0)**

Covers aluminum entrances, locks, hinges, shower doors, security glazing, insulated and high performance glass.

**GLZR 131B Glazier V 5 (4,2,0,0)**

Covers panic hardware, hoisting signals, mathematics, swing stage, curtain wall, high-rise, ribbon wall and pressure wall.

**GLZR 132B Glazier VI 5 (4,2,0,0)**

Covers structural glazing, skylights, spandrel systems, leveling instruments, brake metal, mathematics and history.

**GLZR 141B Glazier VII 5 (5,0,0,0)**

Covers improving communications, sketching, drawing, blueprints, estimating, storefronts, revolving doors, seamless mullions, history, foreman and superintendent training.

**GLZR 142B Glazier VIII 3 (1,4,0,0)**

Covers safe workplaces, proper techniques, skill development and proficiency of Shielded Metal Arc Welding (SMAW). Welding and cutting of mild steels, in flat, horizontal, vertical and overhead positions.

**GLZR 152B Lift and Swing Stage Safety 1.5 (1.5,0,0,0)**

This comprehensive course covers the safety guidelines of lift and swing stage equipment. Topics covered include the use of hooks and cables to suspend the staging, and the proper use of different lift equipment – rough terrain forklift, scissor lift and boom lift. State, federal and local regulations of swing stage usage are discussed.

**GLZR 153B Master Sealant 1 (1,0,0,0)**

This comprehensive course covers sealant terminology, sealant selection, classifications of sealants, sealant properties, as well as the advantages and disadvantages of different types of sealants.

**GLZR 154B Hoisting and Rigging 1 (1,0,0,0)**

This comprehensive course covers basic knot, loop and hitches, as well as safe rigging methods and hoisting procedures. Glazing applications involve a crane and various rigging hardware.



**GLZR 155B Equipment Safety 1.5 (1.5,0,0,0)**

This comprehensive course covers the safety guidelines and proper use of scaffolds. A review in the proper use of swing stages, fork-lifts, scissor lifts and boom lifts will be conducted. OSHA standards and pertinent industry regulations will also be covered.

**GLZR 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Glaziers trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**GLZR 200B Math for Glaziers 2 (2,0,0,0)**

The mathematical concepts of arithmetic, algebra and Pythagorean Theorem are covered. Measuring and estimating job costs are also covered.

**GLZR 211B Drawings (Blueprints) for Glaziers 2 (2,0,0,0)**

Aspects of blueprints including terminology, symbols and specifications are discussed. Additional topics include contract documents and construction methods.

**GLZR 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Glaziers trade. Graded Pass/Fail.

**GLZR 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Glaziers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**Iron Workers**

**IRW 110B Introduction to Ironworking 3 (2,2,0,0)**

Overview of ironworking including rigging, structural steel, welding, burning and reinforcing iron.

**IRW 111B Introduction to Major Work Areas 2 (0,4,0,0)**

A continuation in a laboratory setting of the five segments introduced in IRW 110B.

**IRW 112B Metal Buildings 1 (1,0,0,0)**

This class provides the apprentice with hands-on experience in erecting a pre-engineered metal building. Emphasis is placed on interpreting charts and tables as well as safe work practices.

**IRW 113B Ironworker History/ C.O.M.E.T. 3 (3,0,0,0)**

This course discusses the history of the union, from the factors leading to the birth of the union to the major historic events that have occurred since.

**IRW 114B Mixed Base for Ironworkers 3 (3,0,0,0)**

Safety (OSHA) blueprint reading and mathematics as it applies to ironworkers.

**IRW 116B Reinforcing Iron I 3 (3,0,0,0)**

Understanding the forces when iron and concrete are combined as a building material. Techniques/procedures for fabrication and placing the iron. Use of special tools.

**IRW 118B Mathematics for Ironworkers 1.5 (1.5,0,0,0)**

This course covers basic numerical processes as well as an introduction to geometry, trigonometry, and metric measurement as they apply to ironworker applications.

**IRW 120B Blueprint Reading 1.5 (1.5,0,0,0)**

This course will cover construction blueprints commonly used in the industry. Students will be introduced to symbols, terms and application with an emphasis on function and interpretation.

**IRW 134B Lead Hazard Awareness 2 (2,0,0,0)**

This course will cover the health effects caused by lead exposure, OSHA regulations, sampling methods, legal rights of workers, the proper use of personal protective equipment and work methods.

**IRW 150B Rigging for Ironworkers 3 (3,0,0,0)**

Use of fiberline steel cable and chain in tackle/lever combinations for raising, transporting and storing of heavy loads. Use of access structures such as scaffolds.

**IRW 152B Welding I for Ironworkers 2 (1,2,0,0)**

This course introduces students to the structure of ferrous metals and their reaction to heat. Topics include the equipment and materials used in metal-shielded arc, gas-shielded arc and oxy-acetylene welding.

**IRW 153B Structural Steel I 2 (2,1,0,0)**

This course covers structural steel erection topics including history, safety, tools and equipment, drawings, handling materials, erecting structural members, plumbing and aligning structural steel, bolting up, and making connections.

**IRW 154B Reinforcing Iron II 3 (3,0,0,0)**

Understanding reinforcing iron placed under carefully controlled stresses in concrete being permanently imposed upon the product.

**IRW 156B Welding II for Ironworkers 2 (1,2,0,0)**

This course is a continuation of IRW 152B. Further study of the structure of ferrous metals and their reaction to heat as well as the equipment and materials used in various types of cutting and welding.



**IRW 160B Post Tension I 2 (2,0,0,0)**

This course covers principles and theories, safety practices, tools and equipment, unloading, handling, storage, installation, stressing, and finishing for all types of single-strand unbonded post tensioning systems.

**IRW 162B Post Tension II 2 (2,0,0,0)**

This course is a continuation of IRW 160B. Topics are reviewed and the student will be prepared to take the Post Tension Institute (PTI) Level 1&2 Unbonded Post Tension Ironworker Certification test.

**IRW 164B Post Tension III 2 (2,0,0,0)**

This course covers bonded post tensioning systems, as well as bar and multi-strand systems.

**IRW 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Iron Workers trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**IRW 202B Welding III for Ironworkers 2 (1,2,0,0)**

This course is a continuation of IRW 156B. Emphasis on skill development in both processes of ferrous and nonferrous metals in the flat, vertical and overhead positions, and for all types of joints.

**IRW 203B Structural Steel II 2 (2,1,0,0)**

The course is a continuation of IRW 153B. Topics include installation of metal decking and sheeting, erecting bridges, towers, wind turbines, clear span and amusement park structures. Also, the use of composite materials and reading of structural drawings.

**IRW 204B Detailing I for Reinforcing Iron 3 (3,0,0,0)**

Reading and interpreting the details of reinforcing iron, placing drawings, bar lists/schedules for the shop fabrication and field placement. Mathematical computations.

**IRW 206B Detailing II for Reinforcing Iron 3 (3,0,0,0)**

Analysis and interpretation of placing patterns and practices in the erection of a wide variety of reinforced concrete structures.

**IRW 207B Structural Steel III/Cranes 2 (2,1,0,0)**

This course provides training in how to safely erect and dismantle mobile cranes. Crane operation procedures and the responsibility of crane setup is emphasized.

**IRW 208B Foreman Training for Ironworkers 3 (3,0,0,0)**

Understanding the duties and responsibilities of personnel in a supervisory position. Human relations are emphasized along with employee needs, training employees and economics of supervision.

**IRW 211B Architectural I 2 (1,2,0,0)**

This course introduces the procedures and practices used in architectural and ornamental ironworking. Topics include the various tools used as well as anchors and fasteners.

**IRW 212B Architectural II 2 (1,2,0,0)**

This course will teach the apprentice how to erect a wide variety of doors, stairs, handrails, ladders, toilet partitions, vanity supports, relief angles, flagpoles and how to install chain link fences.

**IRW 215B Precast Concrete 1 (1,0,0,0)**

This course covers the erection of precast concrete buildings. Emphasis will be on proper rigging, handling and installing techniques of the precast concrete members.

**IRW 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Iron Workers trade. Graded Pass/Fail.

**IRW 250B Scaffold User/ Erector/Dismantler 0.5 (0.66,0,0,0)**

This course is designed to provide the apprentice with training in scaffold erection, use and dismantling. Graded Pass/Fail.

**IRW 255B Qualified Riggers for Ironworkers 1 (1,0,0,0)**

This course will develop skilled Ironworker qualified riggers. The training meets qualification requirements under OSHA Subpart CC. Graded Pass/Fail.

**IRW 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Iron Workers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**Millwrights**

**MWA 101B Orientation 2 (2,0.66,0,0)**

This course provides an overview of the construction industry for millwrights, 16-hour safety and green building awareness. Successful students will receive OSHA 10 certification and UBC qualification cards.

**MWA 103B Safety and Health Certifications 2 (2,0.66,0,0)**

This course covers the safe and appropriate use of forklift and aerial lift equipment in industrial setting, and emergency response procedures. Successful students will receive First Aid and CPR certification and UBC qualification cards.



**MWA 105B Millwright  
General Skills A 1.5 (1.33,1.33,0,0)**

Students will identify and use hand and power tools, machining equipment and precision instruments at a fundamental level. Students will complete various bench layout tasks using shop drawings.

**MWA 107B Millwright  
General Skills B 1.5 (1.33,1.33,0,0)**

Building on basic machine shop skills, students will use hand and power tools, shop equipment and precision instruments to complete various machining operations.

**MWA 109B Cutting and Burning 1.5 (1.33,1.33,0,0)**

This course provides safety instruction, equipment operation and basic skills needed for successful layout and fabrication of metal parts using an oxy-acetylene torch.

**MWA 111B Welding  
Fabrication A 1.5 (1.33,1.33,0,0)**

This course is designed as an introduction to layout and fabrication. The students will be introduced to the basic skills of measuring, torch set-up and cutting, shaping, grinding, welding, filing, heating and bending of metal parts.

**MWA 113B Optics and  
Machinery Alignment 1.5 (1.33,1.33,0,0)**

This course covers the terms, characteristics and operating principles for the transit and laser levels. Procedures for establishing machinery and equipment elevation and alignment will be demonstrated and practiced.

**MWA 115B Machinery  
Shaft Alignment 1.5 (1.33,1.33,0,0)**

This course covers the terms, characteristics and methods for aligning machine shafts. Conventional dial indicator and computer aided methods will be included in the training.

**MWA 117B Structural  
Welding - AWS A 1.5 (1.33,1.33,0,0)**

This course is designed to prepare the student to obtain an AWS structural welding certificate per AWS D1.1 Structural Welding Code, the welding of plates that are 1/8" to unlimited thickness.

**MWA 119B Structural  
Welding - AWS B 1.5 (1.33,1.33,0,0)**

This course is designed to prepare the student to obtain an AWS structural welding certification per AWS D1.1 Structural Welding Code, the welding of plates that are 1/8" to unlimited thickness.

**MWA 121B Turbine  
Familiarization 1.5 (1.33,1.33,0,0)**

Students will explore the machines and auxiliary equipment used in the power production industry. This course will highlight the function and performance of a typical gas turbine and will include hydraulic bolting procedures.

**MWA 123B Rigging 2 (2,0.66,0,0)**

This course presents both lifting theory and practical rigging methods and procedures. Rigging attachment procedures, lifting equipment, limits of operation and communication practices will be covered. Successful students will receive UBC rigging qualification cards. Graded Pass/Fail.

**MWA 125B Pumps 1.5 (1.33,1.33,0,0)**

This course will cover the identification, application and installation skills for typical systems found in the petrochemical industry. Demonstrations and practice exercises will focus on pump types, gaskets, seals and fans.

**MWA 127B Turbine Maintenance 1.5 (1.33,1.33,0,0)**

Students will use machinery maintenance skills and techniques for disassembly and assembly of a typical gas turbine. Couplings, bearings and rotors will be inspected, and tolerances verified to complete on site hands-on tasks.

**MWA 129B Conveyor Systems 1.5 (1.33,1.33,0,0)**

This class will cover proper installation, alignment procedures, belt splicing and explain how improper installation affects the maintenance and lifespan of equipment and conveyor systems.

**MWA 131B Drives, Pulleys  
and Belts 1.5 (1.33,1.33,0,0)**

This course will cover the identification, application and installation skills for typical power drive systems. Exercises will focus on the belt, chain and gear drives.

**MWA 133B Compressor Theory  
and Maintenance 1.5 (1.33,1.33,0,0)**

This course will cover the compressor operating principles, safety, assembly and maintenance skills for industrial compressors. Exercises will focus on the disassembly, inspection and reassembly of compressor components.

**MWA 135B Machinery Installation  
and Erection A 1.5 (1.33,1.33,0,0)**

As an introduction, students will explore the machinery used in the manufacturing and package handling industry. Component descriptions and machine drawings illustrate the complex details and important considerations for assembly and disassembly tasks.

**MWA 137B Machinery Installation  
and Erection B 1.5 (1.33,1.33,0,0)**

This course will enhance machinery installation skills used in manufacturing applications. Exercises will focus on the importance of machine drawings to identify component tolerances, installation requirements and alignment of parts.

**MWA 139B Print Reading 2 (2,0.66,0,0)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and the role of specifications as they relate to prints will be discussed.





**MWA 141B Wind Turbines 1.5 (1.33,1.33,0,0)**

This course covers the design, function and installation of wind turbine equipment. The methods, sequences and procedures for housings, bolting, power, drive assembly and other components will be presented.

**MWA 143B Solar Installer I 1.5 (1.33,1.33,0,0)**

This course covers the design and function of several types of solar installation. The methods, sequences and procedures for mounting layout, elevation/positioning and assembly for solar construction will be presented.

**Operating Engineers**

**OPE 101B Introduction to Apprenticeship/Operation and Maintenance 5 (4,2,0,0)**

Tool identification, tool and equipment safety, hand signals for surveyors, grading, standards, surveyors, and crane operators. Basic stake markings and stringline usage. Human relation skills.

**OPE 103B Plant Electricity 5 (5,0,0,0)**

This course covers all aspects of setup and dismantling of portable cement and gravel plants. Topics include distribution equipment, motor controls, and preventative maintenance. Safety with electrical tools and systems is emphasized.

**OPE 105B Machine Tools I 5 (3,4,0,0)**

Basic hand tools and machine tools such as drills, files, taps, reamers, micrometers, vernier calipers, engine lathes, milling machines, drill presses, saws and pedestal grinders.

**OPE 108B Hydraulics 5 (3,4,0,0)**

Theoretical basis for hydraulic and pneumatic circuitry. Circuit components and how they work. Assembly, disassembly and troubleshooting.

**OPE 110B Technical Sketching 5 (3,4,0,0)**

Sketching of mechanical drawings, industrial pictorials and engineering forms.

**OPE 111B Land Surveying 5 (3,4,0,0)**

Introduction to rectangular land surveys. Record research and application.

**OPE 116B Machinists/Surveyors Math 5 (5,0,0,0)**

Basics of geometry and trigonometry. Introduction to modern computational equipment and calculators.

**OPE 117B Applied Math for Surveyors 5 (5,0,0,0)**

Application of math to field problems and advanced field use of equipment.

**OPE 121B Boundary Surveys 5 (3,4,0,0)**

Field search and monument recognition on boundary surveys.

**OPE 122B Construction Surveys 5 (3,4,0,0)**

Applying basics of topographic information to boundary and construction surveys.

**OPE 124B Blueprint Reading for Welders/Machinists 5 (3,4,0,0)**

Basic knowledge and practice in the reading of blueprints required by welders and machinists.

**OPE 131B Introduction to Computer Aided Drafting 5 (3,4,0,0)**

Introduction to the basic capabilities of CAD systems emphasizing AUTOCAD software.

**OPE 132B Civil AutoCADD 4 (4,0,0,0)**

This course is designed to increase the students' knowledge of the calculation and drawing of various projects in the civil engineering portion of the survey industry. Students will also gain skills in calculating project cost estimates.

**OPE 153B Grade Checking I 5 (4,2,0,0)**

Safety procedures, tool identification, measurements, grading signals and layouts. Information interpretation. Formulas to use with percentages and slope ratios. Standard observations and symbols.

**OPE 155B Plan Reading/Grade Checking II 5 (3,4,0,0)**

This course is a continuation of OPE 153B. Students will enhance their knowledge of reading and understanding blueprints, codes and calculations.

**OPE 157B Specialized Equipment 5 (3,4,0,0)**

This course is a continuation of OPE 155B. Students will enhance their skill level on the operation of various pieces of equipment used by the Operating Engineer.

**OPE 159B Cranes 5 (3,4,0,0)**

Components and terminology. Signaling, communication, mobile crane operation/setup, load charts, rigging/wire ropes and load movement indicators. Safety and accidents.

**OPE 173B Drilling I 5 (3,4,0,0)**

This course will introduce students to the proper operation of a drill rig in the field.

**OPE 175B Drilling II 5 (3,4,0,0)**

This course is a continuation of OPE 173B. Students will build on their knowledge of math calculations and well control.



**OPE 177B Drilling III 5 (3,4,0,0)**

Operations used in special drilling situations. Directional drilling, fishing, well control and optimization. Algebra calculations used for appropriate rig, procedures.

**OPE 201B Hazardous Materials Handling Awareness 5 (3,4,0,0)**

Hazard recognition, identification, health effects, decontamination, protective equipment, material handling, storage and sampling techniques.

**OPE 202B Soils Inspection and Testing 5 (4,2,0,0)**

This course covers all principles, procedures, and methods of soil testing. Topics include tool use, soil classification, and calibration of test equipment. Equipment calibration and daily inspection reports are also covered in detail.

**OPE 204B Reinforced Concrete Inspector 5 (3,4,0,0)**

This course covers all principles, procedures, and methods of reinforced concrete inspection. Topics include daily reports, concrete sampling, concrete placement and safety requirements. In-depth study on reading and interpreting structural plans is also covered.

**OPE 206B Pre-Stressed Concrete Inspector 5 (5,0,0,0)**

This course covers all principles, procedures and methods of pre-stressed concrete inspection. Topics include cable placement, post tensioned tendons, preparing stressing sheets, and daily reports. In-depth study on reading and interpreting structural plans is also covered.

**OPE 208B Structural Masonry Inspector 5 (4,2,0,0)**

This course covers all principles, procedures, and methods of structural masonry inspection. Topics include daily reports, reinforcing steel installation, grouting techniques, and safety requirements. In-depth study on reading and interpreting structural plans is also covered.

**OPE 209B General Construction Inspector 5 (5,0,0,0)**

This course will introduce future inspectors to the materials involved in general construction. Upon successful completion of course, the student will receive certification.

**OPE 210B Diesel and High Compression Engines 5 (3,4,0,0)**

Engine operations, diagnostics and tune-up. Use of testing equipment and special tools. Specific performance testing procedures. Proper use of an engine dynamometer.

**OPE 211B Spray Applied Fire Proofing Inspector 5 (5,0,0,0)**

This course will introduce future inspectors to the materials involved in spray applied fire proofing. Upon successful completion of course, the student will receive certification.

**OPE 212B Welding 5 (3,4,0,0)**

Shielded Metal Arc Welding (SMAW) and cutting of mild steel. Welding in flat, horizontal and vertical positions.

**OPE 213B Structural Steel and Bolting Inspector 5 (4,2,0,0)**

This course covers all principles, procedures, and methods of structural steel and bolting inspection. Topics include daily reports, bolting techniques, tensile strength, and bolt identification. In-depth study on bolting specifications is also covered.

**OPE 214B Heavy Equipment Repair 5 (3,4,0,0)**

Diesel injection troubleshooting and repair. Preventive maintenance of diesel power units. Servicing of transmissions and power trains. Starting and charging electrical system.

**OPE 215B Machinist - Surfcam 5 (5,0,0,0)**

This course will introduce the student to computerized numeric control (CNC) program fundamentals. The student must pass final exam to receive a certificate. Graded Pass/Fail.

**OPE 216B Asbestos Training 2 (2,0,0,0)**

This course will provide the student with a thorough knowledge of asbestos, the regulations concerning asbestos removal and the proper use of equipment and safety techniques. Satisfies AHERA and OSHA class IV. Student must pass final exam to receive certificate. Graded Pass/Fail. Prerequisites: OPE 101B and OPE 201B.

**OPE 217B GPS Rover/CPS Equipment 5 (3,4,0,0)**

In this course, the student will be instructed on the proper set up of a GPS system on equipment as well as a rover. Students must pass the final exam in order to receive a certificate. Graded Pass/Fail. Prerequisites: OPE 101B and OPE 153B.

**OPE 218B Radiological Worker II 2 (2,0,0,0)**

This course satisfies the requirements of 10 CFR 835 Part J radiation training. Students must pass final exam in order to receive a certificate. Graded Pass/Fail. Prerequisites: OPE 101B and OPE 201B.

**OPE 219B Residential Inspector 5 (5,0,0,0)**

This course covers the proper method of home inspection. Students must pass final exam to receive a certificate. Graded Pass/Fail. Prerequisite: OPE 101B.





**OPE 220B Introduction to Survey Systems/ Residential and Applications 5 (5,0,0,0)**

This course will provide an overview of how to read grading plans, building plans and underground utilities. Students must pass the final exam in order to receive a certificate. Graded Pass/Fail. Pre-requisite: OPE 101B.

**OPE 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Operating Engineers trade. Graded Pass/Fail.

**OPE 260B Machinists Handbook 5 (3,4,0,0)**

Mathematics, mechanics, strength and testing of materials. Properties, treatment, dimensioning, gauging and measuring. Tooling, machining operations, manufacturing processes, fasteners, threading, gears, bearings, splines and cams.

**OPE 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Operating Engineers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**OPE 283B Personnel Supervision 5 (5,0,0,0)**

Understanding the duties and responsibilities of personnel in a supervisory position. Human relations is emphasized along with employee needs, training employees and economics of supervision.

**Operating and Maintenance Engineers**

**OPME 102B Fundamentals of Electricity 3 (2,2,0,0)**

Fundamentals of constructing electrical circuits, measuring their predictable parameters, using measuring instruments and material needed to maintain and repair electrical systems.

**OPME 103B Introduction to the National Electrical Code 3 (3,0,0,0)**

Based on the National Electrical Code (National Fire Protection Association) will provide an overview of the code book article format.

**OPME 104B Introduction to the Uniform Plumbing Code 3 (3,0,0,0)**

Uses the Uniform Plumbing Code (International Conference of Building Officials) for an overview of the principles of plumbing.

**OPME 105B Domestic Refrigeration 2 (1,2,0,0)**

The course covers sealed system components, defrost and electrical controls, mechanical servicing of domestic refrigerators, troubleshooting, ice makers, window air conditioners and window air conditioning repair.

**OPME 106B Mechanical Power Transmission (Instrumentation) 3 (2,2,0,0)**

Covers principles of transfer and use, hardware and maintenance of mechanical power. Shaft alignment, belt tension and alignment for optimal efficiency and energy use are discussed and practiced.

**OPME 107B Low Pressure Steam 3 (2,2,0,0)**

This course explains the fundamentals of low pressure boilers and heat exchangers, hardware, safeties, water treatment and procedures required to maintain and repair such equipment.

**OPME 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 3 (2,2,0,0)**

This course covers principles of generation, transfer and use, hardware and maintenance of fluid power. Pump seals, packings, energy and efficiency, proper use of instrumentation and safeties will also be discussed and practiced.

**OPME 109B High Pressure Steam 3 (2,2,0,0)**

This course explains the fundamentals of high pressure boilers, hardware, safeties, water treatment and procedures required to maintain and repair such equipment.

**OPME 110B Electrical Heating and Cooling 4 (2,4,0,0)**

This course will teach single phase electric motor theory, advanced electrical circuit drawing, wiring of air conditioning units with strip heat using time delays, sequences, two speed fans, lockout systems and unit changing methods. Also included will be remote mounted thermostats.

**OPME 111B Computer Basics for OPME 3 (3,0,0,0)**

Computer terminology, components which make up the system (hardware) and the programs which operate the computers (software) are covered.

**OPME 112B Backflow Prevention Certification 4 (3,3,0,0)**

Covers the most recent prevention technology in preparation for AWWA Backflow Certification. Attendance in a minimum of forty hours of the total class hours is required to qualify for testing.

**OPME 113B F-License 3 (3,0,0,0)**

A code based class providing the information to understand installation, operation, maintenance and troubleshooting of fire systems. Terminology, basic fire systems operations and the requirements of the State of Nevada testing and inspection competency exam is covered.

**OPME 114B Automated Manufacturing Control 3 (2,2,0,0)**

Encompasses the requisition, ordering, expediting and stock control of materials. Principles of computer and sensor operated manufacturing are presented.



**OPME 116B Carpet Maintenance 1 (1,0,0,0)**

This course will cover the methods, materials and techniques used for carpet repair by the Maintenance Engineer. The student will be given the opportunity to practice and demonstrate such methods.

**OPME 117B Tile Repair and Maintenance 1 (1,0,0,0)**

This course will cover the methods, materials and techniques used for the repair of tile and grout by the Maintenance Engineer. The student will be given the opportunity to practice and demonstrate such methods.

**OPME 120B Electronics Theory  
DC and AC 3 (3,1,0,0)**

Basic concepts of passive electronic circuits, including laws, measurements, calculations and electrical energy sources relating to direct and alternating current. Components and general purpose test equipment used in practical experimentation.

**OPME 122B Introduction to  
Oxy-Acetylene Welding 3 (1,5,0,0)**

Basic lab and oxy-acetylene welding safety, preparation, symbols and oxy-acetylene and braze welding in the flat (downhand), vertical and horizontal positions.

**OPME 123B Blueprint Reading  
for the Building Trades 3 (1,4,0,0)**

Stress is given to the reading and interpretation of representative construction blueprints.

**OPME 130B Kitchen Equipment Repair 3 (3,0,0,0)**

Operation of over twenty-five pieces of both electrical and gas kitchen equipment and new products are covered. Safety will be emphasized.

**OPME 133B Air Conditioning Theory 6 (6,0,0,0)**

Basic fundamentals of refrigeration cycle which includes compressors, condensers, receivers, evaporators, metering devices, basic cycle controls, accessories, refrigerants and piping of air conditioning systems.

**OPME 138B Conduit Bending 1 (1,1,0,0)**

Mathematical constants for bending three grades of pipe using formulas and Benfield methods are covered. Electric metallic tube, intermediate grade and rigid schedule forty are utilized on one half-inch through two inch pipe.

**OPME 139B Hydraulic Conduit Bending 1 (1,1,0,0)**

A continuation of OPME 138B, bending pipe from one and three quarter through six inches. Using different formulas for different sized pipe bends that are mastered include fifteen, thirty, forty-five, and ninety degrees offset as well as three bend saddle. Hydraulic benders used are Greenlee and Interpak.

**OPME 143B NEC Code Update 1 (1,0,0,0)**

Covers OSHA Electrical Safety and the recent changes in the National Electrical Code (NEC) preparing workers for renewal of their journeyman card.

**OPME 144B Industrial Electricity 3 (2,2,0,0)**

Emphasis placed on troubleshooting, fabrication, maintaining and repairing electrical systems encountered in industry.

**OPME 149B Maintenance Plumbing 3 (3,0,0,0)**

This course will cover various operations of plumbing maintenance, from fixture repair and replacement, to proper operation of a plumbing auger (snake).

**OPME 150B Plumbing Principles  
and Methods 3 (2,3,0,0)**

Fabrication and erection of piping, layout methods, process piping, blueprint installations as well as testing of plumbing fixtures and appliances.

**OPME 152B Chief Engineer 3 (3,0,0,0)**

This course provides the aspiring Maintenance Engineer, prospective Chief Engineer, or current Chief Engineer, the necessary administrative and personnel skills to handle the daily operational and leadership challenges associated with the position and title of a Chief Engineer. Topics discussed will include budget preparation, planning, time management, scheduling and record keeping.

**OPME 153B Introduction to  
Direct Digital Controls 3 (3,0,0,0)**

This course will cover the installation, maintenance and communications for direct digital control devices (DDC).

**OPME 154B Introduction to  
CFC/EPA Section 608 1 (1,0,0,0)**

This course will introduce the student to the laws, standards and procedures associated with the handling and recycling of refrigerant. This course will help the student prepare to take the EPA Clean Air Act, section 608 certification test. Prerequisite: OPME 105B.

**OPME 155B Hazardous Waste Operations  
and Emergency Response  
(Hazwoper) 3 (3,0,0,0)**

This course will cover the standard (29 CFR 1910.120) and the safety requirements employers and public sector responders must meet in order to conduct clean-ups or emergency response operations.

**OPME 156B Certified  
Pool Operator (CPO) 1 (1,0,0,0)**

This course will cover various operations of the pool operator. Clark County Health District (CCHD) regulations for the certified pool operator will also be covered. This course will help the student prepare to take the CCHD pool operator's exam.



**OPME 157B Cable Terminations 1 (1,0,0,0)**

This course will cover methods and techniques to terminate CAT-6, coaxial and fiber optic cables. Cable handling and interference will also be discussed. The student will be given the opportunity to practice and demonstrate such methods.

**OPME 202B Ice Machines 3 (3,0,0,0)**

Basic ice machine technology, sequential operation and troubleshooting are covered. Emphasis is on Vogt, Hoshizaki, Ice-O-Matic, Scotsman, Maitowac and Cornelius ice machines. Prerequisites: OPME 105B and OPME 110B and OPME 133B.

**OPME 211B HVAC Control Systems 6 (6,0,0,0)**

Technology updates on HVAC systems, control principles, pneumatics, electrical and electronic controls are emphasized. Building automation, direct digital controls and troubleshooting updates are also covered.

**OPME 212 Welding I 3 (1,5,0,0)**

Shielded Metal Arc Welding (SMAW) and cutting of mild steel, teaches students some skill in welding flat, horizontal and vertical positions.

**OPME 214B Advanced Fabrication MIG and TIG Welding 6 (4,4,0,0)**

Advanced design, layout and assembly techniques are covered. Advanced MIG and TIG will be presented in depth.

**OPME 216B 6G Welding Certification Preparation 6 (4,4,0,0)**

This course will cover the methods and techniques required to pass a 6G pipe welding certification. In addition: several other positions for structural and pipe welds will be discussed. This course will help the student prepare to take the AWS 6G pipe welding certification. The certification test will be available at the completion of the course. Prerequisite: OPME 212.

**OPME 217B Welding III 3 (1,5,0,0)**

Further student's skill into G.M.A.W. (MIG) on carbon steel and G.T.A.W. (TIG) on aluminum and carbon steel.

**OPME 228B OSHA Safety 3 (3,0,0,0)**

Fall protection and confined space is covered. Recognizing work environment hazards and how to mitigate them is emphasized. A ten-hour General Industry certification and a ten-hour Construction OSHA certification are provided upon completion. Graded Pass/Fail.

**OPME 229B OSHA 10/10 1 (1,0,0,0)**

This course will cover OSHA safety standards and code compliance for General Industry (29 CFR part 1910) and Construction (29 CFR part 1926). Upon completion, the student will receive an OSHA 10-hour General Industry card and an OSHA 10-hour Construction card. Graded Pass/Fail.

**OPME 243B Water Treatment Plant Operation 1 (1,1,0,0)**

Basic knowledge for the safe operation of drinking water treatment plants. Topics include water resources, reservoir management, coagulation and flocculation, sedimentation, filtration, disinfection, corrosion control and taste and odor control.

**OPME 244B Water Distribution I 3 (3,0,0,0)**

Basic knowledge for the safe operation and maintenance of water distribution systems. Topics include storage facilities, distribution facilities, water quality considerations, disinfection and safety.

**OPME 253B Indoor Air Quality 6 (6,0,0,0)**

Organizing and operating a preventive maintenance program. Terminology, regulations and design problems. Chemical storage and handling. IAQ contaminants, related illness, air water sampling.

**OPME 254B Air Balancing 6 (6,0,0,0)**

Detailed information on fan laws, pump performance, piping practices, air handlers, dampers, airflow control devices, registers and grills.

**OPME 291B Locksmithing 6 (6,0,0,0)**

Key cutting, master keying and key types are introduced. Types of locking systems, access control systems, closure and panic hardware are covered.

**OPME 292B Locksmithing II 6 (6,0,0,0)**

Establishment and operation of a hotel lock shop is presented. Updated technical information including safe entry and electronic locks are covered. Prerequisite: OPME 291B.

**Pile Drivers**

**PDA 101B Orientation 2 (2,0.66,0,0)**

This course provides an overview of the construction industry for pile drivers, safety and green building awareness. Successful students will receive OSHA 10 certification and UBC qualification cards.

**PDA 103B Safety and Health Certifications 2 (2,0.66,0,0)**

This course covers the safe and appropriate use of scaffolds, rough terrain lift truck equipment and emergency response procedures. Successful students will receive First Aid and CPR certification and UBC qualification cards.

**PDA 105B Piles and Hammers A 1.5 (1.33,1.33,0,0)**

This course provides an overview of the types of piles used in construction as load bearing support for commercial buildings, bridges and piers. The methods, techniques and pile hammers utilized in the installation process will be presented.



**PDA 107B Piles and Hammers B 1.5 (1.33,1.33,0,0)**

This course covers the safe operating techniques and utilization of pile hammers in the installation process. Students will use the proper procedures to install two wood sheet pile systems.

**PDA 109B Pile Caps and Columns A 1.5 (1.33,1.33,0,0)**

This course describes the purpose and function of pile caps and columns in the bridge anatomy. Structural and loading considerations and layout will be presented. Related safety, math and print reading will also be covered.

**PDA 111B Pile Caps and Columns B 1.5 (1.33,1.33,0,0)**

This course covers the sequence and installation procedures for selected types of pile caps and columns. The safe use of tools and equipment will be emphasized.

**PDA 113B Falsework A 1.5 (1.33,1.33,0,0)**

This course presents the basic layout and job planning needed to install a typical structure support system for concrete formwork. Related safety, math and print reading will also be covered.

**PDA 115B Falsework B 1.5 (1.33,1.33,0,0)**

This course presents the installation sequence and procedures used to install falsework support for concrete forms. The safe use of tools and equipment will be emphasized.

**PDA 117B Abutments A 1.5 (1.33,1.33,0,0)**

This course provides instruction in the detailing, layout and construction preparation for abutments used in the heavy highway industry.

**PDA 119B Abutments B 1.5 (1.33,1.33,0,0)**

This course provides instruction in the component assembly and construction for abutments used in the heavy highway industry.

**PDA 121B Bridge Deck Forms A 1.5 (1.33,1.33,0,0)**

This course provides students with an overview of basic bridge and deck construction layout and job planning. Related safety, math and print reading will be covered in the training.

**PDA 123B Bridge Deck Forms B 1.5 (1.33,1.33,0,0)**

This course provides students with basic bridge and deck construction sequence and procedures. Formwork project will include panel construction, assembly and hardware installation tasks.

Plasterers

**PLA 111B Plasterers Apprentice I 4 (3,2,0,0)**

Identify and demonstrate usage of various hand tools for mixing and applying 3-coat Portland cement to vertical walls. OSHA 10 is presented along with safety procedures while operating on scaffolds, scissor, and/or boom lifts.

**PLA 112B Plasterers Apprentice IB 3 (2,2,0,0)**

Identify and demonstrate treatment methods in repairing plaster surface defects. First aid/CPR are demonstrated and practiced. Sexual Harassment Prevention I and Respirator Fit are presented.

**PLA 141B Plasterers Apprentice II 3 (2,2,0,0)**

Mixing and applying 3-coat gypsum plaster are demonstrated and practiced. Identification and application of various fireproofing materials are demonstrated and practiced.

**PLA 142B Plasterers Apprentice IIB 4 (3,2,0,0)**

Fundamental math, estimating, measuring, and blueprint reading are presented and practiced. Proficiency in first aid/CPR is repeated. Sexual Harassment Prevention II is presented. Application of Level 5 finish is demonstrated.

**PLA 201B Plasterers Apprentice III 3 (2,2,0,0)**

Construction of boulders and rocks used in theme settings is demonstrated and practiced. Application of Venetian plaster finish is demonstrated and practiced.

**PLA 202B Plasterers Apprentice IIIB 4 (2,4,0,0)**

Application of specialty plaster finishes are demonstrated and practiced. Safe operation of rough terrain forklift is demonstrated and practiced. Complete Green Awareness for Construction Workers certification requirements.

**PLA 251B Plasterers Apprentice IV 3 (2,2,0,0)**

Identify components and demonstrate processes used to construct Exterior Insulation and Finishing Systems (EIFS). Demonstrate thorough knowledge of ornamental plaster procedures with various molds and cornices.

**PLA 252B Plasterers Apprentice IVB 4 (3,2,0,0)**

OSHA 30 is presented along with safety procedures while working on scaffolds, scissor, and/or boom lifts. Continue knowledge-based application of Exterior Insulation and Finishing Systems (EIFS). Certify as an AWCI-EIFS Mechanic.

Plasterers and Cement Masons

**PLCM 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Plasterers and Cement Masons trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**PLCM 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Plasterers and Cement Masons trade. Graded Pass/Fail.





**PLCM 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Plasterers and Cement Masons trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

Plumbers/Pipefitters

**PPF 101B First Year Plumbers and Pipefitters Apprentice I 4 (4,0,0,0)**

Job safety, use and care of tools, recognition of pipe and fittings, trade related math and science, rigging, drawing and blueprint reading, soldering, and brazing.

**PPF 102B First Year Plumbers and Pipefitters Apprentice II 4 (4,0,0,0)**

Continuation of PPF 101B.

**PPF 116B Technical Math for Piping Trades 2 (2,0,0,0)**

Measure pipe, fittings, and “take offs” enabling the use of the appropriate formulas for piping measurements. Graded Pass/Fail.

**PPF 118B Uniform Plumbing Code Review 5 (5,0,0,0)**

This course will review the 2009 Uniform Plumbing Code (UPC) and prepares the student to take the SNBOPE Plumbing Code Test. Strong math skills are needed for this course. Graded Pass/Fail.

**PPF 119B Piping Math 2 (2,0,0,0)**

This course will provide a review of the basic math formulas and calculations used in the field by Journeymen. This class is recommended for those that wish to take the Pipefitter exam. Graded Pass/Fail.

**PPF 120B Blueprint Reading and Isometric Drawing 2 (2,0,0,0)**

This course will review basic construction blueprint reading and provide an introduction to isometric drawing. Students will convert the piping systems from blueprints to isometric drawings.

**PPF 121B Steam Systems 2 (2,0,0,0)**

This course is designed to guide the student through the United Association Steam Systems textbook. Graded Pass/Fail.

**PPF 122B Basic Electricity 1 (1,0,0,0)**

This course is designed to guide the student through the United Association Basic Electricity Systems textbook. Graded Pass/Fail.

**PPF 123B CFC Handling 1 (1,0,0,0)**

This course will provide instruction in the safe handling of refrigerants and system testing. Pass/Fail.

**PPF 124B Valve Repair Program 2 (2,0,0,0)**

This course will cover the practices and techniques of valve repair, the safe handling of valves and repair or replacement of valves used in the piping industry. Graded Pass/Fail.

**PPF 129B Pipe Layout 2 (1,1.5,0,0)**

This course provides an introduction to pipe layout and the safe and proper use of an Oxygen/Acetylene cutting torch. Students must come dressed in work clothes and safety boots.

**PPF 133B Basic Rigging 1 (1,0,0,0)**

This course covers the proper rigging techniques and materials used for the piping industry. Graded Pass/Fail.

**PPF 134B EPRI Industrial Rigging 3 (3,0,0,0)**

This course will provide necessary information needed to assist in taking the EPRI Industrial Rigging examination. Certification exam given at the end of the course. Graded Pass/Fail.

**PPF 137B Backflow Assembly Tester Certification 1.5 (1,1.5,0,0)**

This course reviews backflow assembly systems and proper testing procedures. Students will take the certification exam at the end of this course. Graded Pass/Fail.

**PPF 139B NCCCO Crane Signaling Certification 1.5 (1,1,0,0)**

This course will cover the safe and proper signaling methods as approved by the National Commission for the Certification of Crane Operators (NCCCO) and as required by OSHA. Certification exam given at the end of the course. Graded Pass/Fail.

**PPF 140B Green Awareness Certification 1.5 (1.5,0,0,0)**

This course will introduce the students to the Green Technology movement in construction. Students will participate in an examination for certification at the end of the course. Graded Pass/Fail.

**PPF 151B Second Year Plumbers and Pipefitters Apprentice I 4 (4,0,0,0)**

Water supply, draining, plumbing fixtures and appliances, gas installations, drawing interpretation and plan reading, and use of the uniform plumbing code illustrated manual.

**PPF 152B Second Year Plumbers and Pipefitters Apprentice II 4 (4,0,0,0)**

Continuation of PPF 151B.

**PPF 154B Weld Certification Preparation 1 (0,2,0,0)**

Preparation and welding of steel pipe to pass the UA welding exam rigorous standards to gain UA certification.



**PPF 165B Tube Bending 1.5 (0.5,1,0,0)**

This course will provide students with the fundamentals of tube bending as used in industrial settings. Students should have a basic understanding of trade related math for this course.

**PPF 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Plumber and Pipefitters trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**PPF 201B Third Year Plumbers and Pipefitters Apprentice I 4 (1,6,0,0)**

Welding theory, basic metallurgy, safety, proper procedures, oxy-acetylene cutting, shielded metal arc welding (structural and pipe) including pipe preparation and pipe fit-up.

**PPF 202B Third Year Plumbers and Pipefitters Apprentice II 4 (1,6,0,0)**

Fabrications of piping intersections and offsets. Making of templates and their use, trade mathematics, laying out angles, offsets, and appropriate fittings.

**PPF 203B Medical Gas Certification Preparation 2 (2,0,0,0)**

Recognize components, layouts, brazed gas pipe and understand the National Fire Code Section 99C to pass the Medical Gas Installer/Brazer Certification test. Graded Pass/Fail.

**PPF 210B UA-51 Brazing 0.5 (0.5,0,0,0)**

This course prepares the student for completion of the UA-51 brazing certification as per section IX of the boiler and pressure vessel code.

**PPF 220B CAD I 4 (4,0,0,0)**

Covers basic CAD commands, introduction to CAD, and two dimensional drawings.

**PPF 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Plumber and Pipefitters trade. Graded Pass/Fail.

**PPF 251B Fourth Year Plumbers and Pipefitters Apprentice I 4 (4,0,0,0)**

Principles of refrigeration and refrigerants, evaporators, compressors, condensers, various valves and fittings, and refrigerant piping. Installation of refrigeration equipment, refrigerant piping, various valves and fittings.

**PPF 252B Fourth Year Plumbers and Pipefitters Apprentice II 4 (4,0,0,0)**

Continuation of PPF 251B.

**PPF 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Plumber and Pipefitters trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**PPF 291B Fifth Year Plumbers and Pipefitters Apprentice I 4 (4,0,0,0)**

Advanced plumbing I, solvent system, independent study in any of the following areas: advanced plumbing, advanced layout, welding I, or refrigeration.

**PPF 292B Fifth Year Plumbers and Pipefitters Apprentice II 4 (2,4,0,0)**

Continuation of PPF 291B.

**Painters**

**PTD 101B Painting/Decorating Apprentice I 4 (4,0,0,0)**

History of painting, terms, math and human relations. Tools and equipment identification. Preparation and repair of surfaces. Color mixing/matching and lighting effects.

**PTD 102B Painting/Decorating Apprentice IB 4 (3,2,0,0)**

Application procedures. Understanding pigments. Paint failure remedies. Finishing problems and schedules. Wood and wood products as well as other material ratings. Ladders, scaffolding and rigging.

**PTD 105B OSHA 10/First Aid/CPR 1 (1,0,0,0)**

Painting Safety and Health Outreach program. Standards pertaining to 29 CFR 1926 construction standards. Techniques of administering first aid and cardiopulmonary resuscitation. Graded Pass/Fail.

**PTD 110B Scissor Lift 1 (1,0,0,0)**

Operational safety following required OSHA standards and operating techniques are demonstrated. Graded Pass/Fail.

**PTD 145B Scaffold Erector 2 (2,0.66,0,0)**

This course will cover the basic techniques and procedures associated with frame, system, and tube/clamp scaffold components.

**PTD 151B Painting/Decorating Apprentice II 4 (4,0,0,0)**

History of drywall finishing. Taping, texturing and finishing. Spray painting and equipment. Air, airless and specialized spray systems. Coatings, industry inspection and testing.





**PTD 152B Painting/Decorating Apprentice IIB 4 (3,2,0,0)**

Abrasive blasting and equipment. Water blasting and equipment. Exposed aggregate finishes. Techniques and procedures for glazing, antiquing, wood graining, marbleizing, stippling, texturing, gilding and stenciling.

**PTD 153B Life and Swing Stage Safety 1.5 (1.5,0,0,0)**

This comprehensive course covers the safety guidelines of lift and swing stage equipment. Topics covered include the use of hooks and cables to suspend the staging, the proper use of different lift equipment – rough terrain forklift, scissor lift and boom lift. State, federal and local regulations of swing stage usage are discussed.

**PTD 155B Respirators/Lead Abatement 1 (1,0,0,0)**

Acceptable safe respirators and proper procedures to ensure maximum protection. Safe removal procedures for various materials containing lead. Health effects.

**PTD 200B Math for Painters 2 (2,0,0,0)**

The mathematical concepts of arithmetic, algebra and Pythagorean Theorem are covered. Measuring and estimating job costs are also covered.

**PTD 201B Painting/Decorating Apprentice III 4 (4,0,0,0)**

History of wallpapering. Surface preparation and tools/equipment used. Adhesive applications. Standards, ethics, and goals of the painting industry.

**PTD 202B Painting/Decorating Apprentice IIIB 4 (3,2,0,0)**

Blueprint reading. Understanding lines, symbols, scales and dimensions used on blueprints. Understanding how to read architectural and engineering drawings.

**PTD 205B Heavy Equipment Operation 1 (1,0,0,0)**

This course covers the safe use of equipment that transports humans and materials up, down and across the side of buildings, such as, scissor lift, man lift, etc.

**PTD 211B Drawings (Blueprints) for Painters 2 (2,0,0,0)**

Aspects of blueprints including terminology, symbols and specifications are discussed. Additional topics include contract documents and construction methods.

**PTD 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Painters trade. Graded Pass/Fail.

**PTD 255B COMET 1 (1,0,0,0)**

History and organization of painters in the labor movement. Public relations tactics used by the painters union leaders.

**PTD 260B Confined Space 1 (1,0,0,0)**

The objective of this course is to develop the respect necessary for the potential hazards in permit and non-permit confined spaces. This course will instruct workers on comprehension and use of the safe entry procedures into confined space environments.

**PTD 267B Spray Painting for Painters 2 (1,2,0,0)**

This course introduces the operation and maintenance of spray machines used by the professional painter. Topics covered include the safety of workers and the public on the job site during spray applications as well as the different types of spray equipment used.

**PTD 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Painters trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**PTD 271B Wall Covering I 2 (2,0,0,0)**

This course will introduce the student to wall covering tools, terminology, planning and preparation. Topics discussed include the economics of wall covering materials and the development of good work habits for the wall covering professional.

**PTD 272B Wall Covering II 2 (1,2,0,0)**

This course is a continuation of PTD 271B. Topics covered include the introduction of new and exotic materials, such as papers, fabrics, foils, cork and carpet. The techniques for application of various products using the proper adhesives and paste will also be discussed.

**PTD 273B Wall Covering III 2 (1,2,0,0)**

This course is a continuation of PTD 272B. The course will reinforce all aspects concerning the proper preparation of old surfaces. Discussion will include how to rectify various problems encountered on the job site.

**Roofer and Waterproofer**

**RFR 101B Roofers Apprentice I 4 (3,2,0,0)**

The socioeconomic history of the Roofing trade and employability skills are the primary topics. Additional topics include OSHA safety regulations and introduction to various roofing methods, tools, and materials.

**RFR 102B Roofers Apprentice I s 4 (2.5,3,0,0)**

This course covers all aspects of built-up roofing. Additional topics include personal protective equipment, ladder safety, trade related mathematics, and blueprint reading.



**RFR 151B Roofers Apprentice II 4 (2.5,3,0,0)**

This course covers all aspects of single ply roofing, including tools, materials, and installation methods. Additional topics include maintenance/repair of existing roofs, and various water-proofing methods.

**RFR 152B Roofers Apprentice II s 4 (2.5,3,0,0)**

This course covers all aspects of steep slope roofing including the OSHA safety requirements regarding tools, equipment and hoisting. Also covered are various types of shingles and photovoltaic shingle installation.

**RFR 201B Roofers Apprentice III 4 (2,4,0,0)**

This course covers advanced roofing methods including damp proofing, surface preparation, and spray systems. Additional topics include membrane systems, chopped glass, rubberized asphalt and spray foam applications.

**RFR 202B Roofers Apprentice III s 4 (2.5,3,0,0)**

This course covers the advanced mathematics required in the roofing industry. Additional topics include supervisor training, advanced blueprint reading, and overall job site organization.

**RFR 211B Safety 4 (3,2,0,0)**

Industry statistics on accident frequency rates are studied. Understanding basic causes of accidents in the workplace are emphasized. Safe practices for each type of work is reviewed extensively. Graded Pass/Fail.

**RFR 212B CPR, First Aid, and OSHA 10 4 (3,2,0,0)**

This course covers first aid/CPR and OSHA 10 regulations as applied to the Roofing trade. Covered topics include work related injury prevention, health/safety on the job, and basic safety requirements. Graded Pass/Fail.

**RFR 250B Photovoltaic Systems 5 (5,0,0,0)**

The course format includes both classroom instruction and hands-on participation, along with the complete process of designing, installing, and commissioning Photovoltaic systems.

**RFR 270B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Roofers and Waterproofers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**Scaffold Erector**

**SEA 101B Orientation 2 (2,0.66,0,0)**

This course provides an overview of the construction industry, safety and green building awareness. Successful students will receive OSHA 10 certification and UBC qualification cards.

**SEA 103B Safety and Health Certifications 2 (2,0.66,0,0)**

This course covers the safe and appropriate use of scaffolds, aerial lift equipment and emergency response procedures. Successful students will receive First Aid and CPR certification and UBC qualification cards.

**SEA 105B Basic Frame Scaffold 1.5 (1.33,1.33,0,0)**

This course will cover the basic techniques and erection procedures associated with frame scaffold components. The terminology, components and installation sequence will be presented.

**SEA 107B Print Reading 2 (2,0.66,0,0)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. Views, elevations and the role of specifications as they relate to prints will be discussed.

**SEA 109B Basic System Scaffold 1.5 (1.33,1.33,0,0)**

This course will cover the basic techniques and erection procedures associated with system scaffold components. Construction practices and safety considerations will be a major focus of the class.

**SEA 111B Basic Suspended Scaffold 1.5 (1.33,1.33,0,0)**

This course will cover the basic techniques and procedures associated with suspended scaffolds. The terminology and use of scaffold components in a cable suspended configuration will be the focus of this training.

**SEA 113B Basic Tube and Clamp Scaffold 1.5 (1.33,1.33,0,0)**

This course will cover the basic techniques and procedures associated with tube and clamp scaffold components and erecting methods. Students will identify custom configurations utilizing this type of scaffolding.

**SEA 115B Intermediate Frame Scaffold 1.5 (1.33,1.33,0,0)**

This course will enhance the student's basic frame scaffold erecting ability by incorporating variations of standard construction techniques and procedures to accommodate structural, equipment or overhead restrictions.

**SEA 117B Intermediate System Scaffold 1.5 (1.33,1.33,0,0)**

This course presents the techniques and procedures to build cantilevered platforms that extend beyond a typical scaffold base arrangement using system scaffold components.



**SEA 119B    Advanced  
Frame Scaffold            1.5 (1.33,1.33,0,0)**

This course will cover the advanced techniques and procedures associated with ground supported frame scaffold. The use of scaffold components for construction of various heavy-duty (industrial) elevated platforms will be the focus of this training.

**SEA 121B    Advanced  
System Scaffold            1.5 (1.33,1.33,0,0)**

This course will cover the advanced techniques and procedures required when constructing system scaffolds used in industrial boiler installation or repair applications. Students will identify surface obstacles and unique shapes indicative of this application.

**SEA 123B    Advanced  
Suspended Scaffold        1.5 (1.33,1.33,0,0)**

This course will cover the advanced techniques and procedures required when constructing suspended scaffolds supported by structural members. Students will identify the suitable structural components for this application type.

**SEA 125B    Scaffold Re-Shoring        2 (2,0.66,0,0)**

This course will present students with the principles and techniques for the use of shoring equipment in a re-shore application. The importance of uniform loading and alignment of multi-tower/tandem tower configurations will be explained.

**SEA 127B    Scaffold in  
Confined Spaces            1.5 (1.33,1.33,0,0)**

This course covers both CAL-OSHA and Federal OSHA regulation for safe access, entry and monitoring for confined space work. Successful students will receive UBC qualification cards.

**SEA 129B    Specialty  
Scaffold Applications        2 (2,0.66,0,0)**

This course will include specialty scaffold applications focusing on ramps, chutes and mobile towers suitable for light and heavy duty use.

**SEA 131B    Advanced Print Reading    2 (2,0.66,0,0)**

In this course, students will analyze multi-view drawings to determine construction type, locate benchmark, find building element and review codes, references and perform calculations for construction purposes.

**Sheet Metal Worker**

**SMTL 111B    First Aid/CPR I            0.5 (0.66,0,0,0)**

Covers First Aid procedures for infants and adults, and the latest procedure of CPR. Certification will be issued upon completion. Graded Pass/Fail.

**SMTL 112B    Job Site Safety  
and Certification            1 (1,0,0,0)**

Covers safe work practices for shop and field along with forklift safety, welding safety, power actuated tools and aerial safety. Certifications are issued upon completion.

**SMTL 113B    Sheet Metal Drafting        4 (4,0,0,0)**

Covers the use of drafting tools, lines, lettering, orthographic projections, layout, pictorial drawings, sketches, as well as pictorial, isometric, oblique, freehand and shop drawings.

**SMTL 114B    Layout/Fabrication I        4 (4,0,0,0)**

Covers the use of hand tools, layout construction, layout on metal basics, parallel line layout, radial line layout, triangulation and basic shop equipment.

**SMTL 115B    Sheet Metal Apprentice I    3 (3,0,0,0)**

Covers the trade history, responsibilities, people skills, service, shop equipment, seams, locks and edges. Will become familiar with trade related math including the areas of geometry, trigonometry and layout.

**SMTL 121B    OSHA 10                      1 (1,0,0,0)**

Upon completion of this safety class, students will receive an OSHA 10 certificate. Graded Pass/Fail.

**SMTL 122B    Sheet Metal Plans  
and Specifications            4 (4,0,0,0)**

Covers cut sheets, RFIs, man hours, equipment, rough BID, elevations, penetrations, clearance, equipment size, submittals, moisture controls and specifications.

**SMTL 123B    Layout/Fabrication II        4 (4,0,0,0)**

Covers advanced parallel line development and advanced triangular development.

**SMTL 124B    Sheet Metal Apprentice II    4 (3,2,0,0)**

Covers trade materials, properties of metals, alternative materials, hardware of the craft, shop procedures, field installation, introduction to refrigeration and more trigonometry.

**SMTL 221B    OSHA 30                      2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Sheet Metal Workers trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**SMTL 230B    First Aid/CPR II            0.5 (0.66,0,0,0)**

Covers items for recertification of basic first aid and CPR. Certification will be issued upon completion of the class. Graded Pass/Fail.



**SMTL 232B Shop Drawings/Takeoff 2 (1,2,0,0)**

Covers Sheet Metal and Air Conditioning Contractors National Association (SMACNA) standards, local codes, shop drawings, cut sheets, along with architectural, structural, mechanical and electrical drawings.

**SMTL 233B Introduction to Welding 2 (1,2,0,0)**

Covers safety in metallurgy, oxyfuel, plasma cutting, electrical power fundamentals, and gas metal arc welding (GMAW).

**SMTL 234B Architectural Sheet Metal I 4 (4,0,0,0)**

Covers Architectural Sheet Metal materials, moisture control, expansion and contraction. Material handling, wall systems, project management and special Architectural Sheet Metal are also covered.

**SMTL 236B Architectural Sheet Metal II 4 (4,0,0,0)**

Covers flashing, seams, locks, edges, fastening, joining, measurements, field installation, shop layout and fabrication. Wall systems, supports, substrates, roofing drainage systems, louvers and ventilators will also be covered.

**SMTL 240B CAD/Detailing I 4 (4,0,0,0)**

Covers basic CAD commands, introduction to CAD, and two dimensional drawings.

**SMTL 241B CAD/Detailing II 4 (4,0,0,0)**

Covers introduction to 3D drawing, enabling the creating, drawing and printing of a basic duct system (required).

**SMTL 242B TAB I 4 (4,0,0,0)**

Covers air pressure, measuring rotational speed, electrical components as well as measurement, air distribution devices and fans.

**SMTL 243B TAB II 4 (4,0,0,0)**

Covers air balance test reports, air velocity reading instruments, temperature as well as humidity instruments and general procedure for balancing systems.

**SMTL 244B Advanced Welding/Industrial I 4 (4,0,0,0)**

Covers the Shielded Metal Arc Welding (SMAW) process and learning how to weld on multiple joints with different rods in all positions.

**SMTL 245B Advanced Welding/Industrial II 4 (4,0,0,0)**

Continue welding processes introduced in SMTL 244B. Exercises are designed for certifications in 18 gauge and 10 gauge.

**SMTL 246B HVAC-R Equipment I 4 (4,0,0,0)**

Includes understanding the refrigeration cycle, components, piping and start-up of HVAC-R equipment.

**SMTL 247B HVAC-R Equipment II 4 (4,0,0,0)**

Continuation of SMTL 246B and includes documentation, troubleshooting and diagnosing of refrigerant systems. Additional curriculum covers basic electricity, components, controls, diagrams, troubleshooting, and diagnosing of electrical systems.

**SMTL 248B Food Service Equipment Fabrication/Installation I 4 (4,0,0,0)**

Covers safety, metallurgy, local codes, materials along with application, and Gas Tungsten Arc Welding (GTAW).

**SMTL 249B Food Service Equipment Fabrication/Installation II 4 (4,0,0,0)**

Continuation of SMTL 248B including Carbon Arc Braze Welding. Will become competent in installation and modification of various pieces of kitchen/food service equipment.

**SMTL 260B Foreman Training 2 (2,0,0,0)**

Covers record keeping, legal documents and considerations along with the responsibilities of a foreman in the Sheet Metal industry.

**SMTL 261B TAB III 4 (4,0,0,0)**

Covers systems balancing, low pressure constant volume supply systems, return air and exhaust systems, variable air volume systems, leak testing, controllers and controlled devices.

**SMTL 262B TAB IV 4 (4,0,0,0)**

Covers pumps, water balance preparation, water system balance procedures and water chillers.

**SMTL 263B Advanced Welding/Industrial III 4 (4,0,0,0)**

Covers the Shielded Metal Arc Welding (SMAW) processes for structural welding.

**SMTL 264B Advanced Welding/Industrial IV 4 (4,0,0,0)**

Continuation of SMTL 263B. Preparation for certification in 3/8 inch plate and a variety of other welding processes.

**SMTL 265B HVAC-R Equipment III 4 (4,0,0,0)**

Greater detail given in the areas covered in SMTL 247B including refrigerant cycle, components, piping, start-up, commissioning, troubleshooting and diagnosing refrigeration systems.

**SMTL 266B HVAC-R Equipment IV 4 (4,0,0,0)**

Greater detail given in the areas covered in SMTL 265B including advanced electrical curriculum in components, controls, troubleshooting and diagnosing electrical systems.

**SMTL 267B Food Service Equipment Fabrication/Installation III 4 (4,0,0,0)**

Covers a variety of processes required to install, modify and repair food service equipment.





**SMTL 268B Food Service Equipment Fabrication/Installation IV 4 (4,0,0,0)**

Continuation of SMTL 267B. Various specialty items such as hand rails and wall coverings will also be covered.

**SMTL 269B CAD/Detailing III 4 (4,0,0,0)**

Covers 3D ductwork on architectural and mechanical building layout drawings.

**SMTL 270B CAD/Detailing IV 4 (4,0,0,0)**

Covers how to generate reports, shipping lists and drawings detailed enough to be utilized for manufacturing, installation, shipping, estimating and ordering.

**SMTL 284B Architectural Sheet Metal III 4 (4,0,0,0)**

This course is part of the Sheet Metal Local #88 Apprenticeship program and covers moisture control, single-ply roofing and built-up roofing.

**SMTL 285B Architectural Sheet Metal IV 4 (4,0,0,0)**

This course is part of the Sheet Metal Local #88 Apprenticeship program and is a continuation of SMTL 284B. Topics covered in this course include advanced moisture control, wind uplift, repair and maintenance.

**SMTL 290B Journeyman Upgrade I 3 (2,2,0,0)**

A review of trade related math skills, drafting, and basic layout skills for Building Trades Sheet Metal Journeymen.

**SMTL 291B Journeyman Upgrade II 3 (2,2,0,0)**

Covers advanced layout skills, fabrication techniques, and basic welding skills for Building Trades Sheet Metal Journeymen.

**SMTL 292B Journeyman Upgrade III 3 (2,2,0,0)**

Covers drafting and blueprint reading for Light Commercial Journeymen.

**SMTL 293B Journeyman Upgrade IV 3 (2,2,0,0)**

Covers foreman training, detailing and bidding for Light Commercial Journeymen.

**Tile Setters**

**TLS 101B Tile Setter Apprentice I 4 (2,4,0,0)**

Labor/Management relations and safety. Material and equipment identification. Wall preparation of paper/wire, sheetrock, masonry and wonderboard. Mortars, mixes and adhesive applications. Math ratios.

**TLS 102B Tile Setter Apprentice IB 4 (2,4,0,0)**

Float strips/floating walls and corners. Cutting materials and setting wall tile. Tub splash installation. Math, safety and human relations.

**TLS 105B OSHA/First Aid/CPR for Tile Setters 3 (3,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Tile Setters trade. Additional topics include first aid and CPR. Graded Pass/Fail.

**TLS 151B Tile Setter Apprentice II 4 (2,4,0,0)**

Grouting with mixes and additives. Installation on walls, floors, countertops, back splash and showers. Math and safety.

**TLS 152B Tile Setter Apprentice IIB 4 (2,4,0,0)**

Tiling floors with the two-step method, quarry and ceramics. Setting beds by rodding and screening. Pullmans and continuation on countertops/backsplashes. Math and safety.

**TLS 170B OSHA 10 0.5 (0.66,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Tile Setters trade. This course places emphasis on OSHA regulations and policies. Graded Pass/Fail.

**TLS 201B Tile Setter Apprentice III 4 (2,4,0,0)**

Tile tub splash and shower curb with the scratch and float method. Floating and tiling columns. Math and safety.

**TLS 202B Tile Setter Apprentice IIIB 4 (2,4,0,0)**

Tiling arches and steps with quarry and split brick. Math and Safety.

**TLS 240B First Aid/CPR 0.5 (0.66,0,0,0)**

This course provides CPR training and first aid instruction as applied to the Tile Setters trade. Graded Pass/Fail.

**Teamsters**

**TMST 100B OSHA General Industry Class 1 (1,0,0,0)**

An OSHA 10 approved General Industry class on safety in the workplace. Graded Pass/Fail.

**TMST 105B OSHA 30 2 (2,0,0,0)**

This course provides an overview into 29 CFR 1926 as applied to the Teamsters trade. This course places emphasis on areas considered hazardous including personal protective equipment, fall protection, hazard awareness, ladders, and scaffolding. Graded Pass/Fail.

**TMST 120B Introduction to the Convention Industry 2 (2,0,0,0)**

An overview of the convention industry designed to give apprentices knowledge of general information. Procedures for reporting to work, work attire and responsibilities to the industry are covered. Graded Pass/Fail.



**TMST 130B Beginning Decorating 2 (2,0,0,0)**

Symbols, usage codes, usage, and furniture are identified. Reading work orders and floor plans as they relate to decorating are covered. Customer service skills are emphasized. Graded Pass/Fail.

**TMST 140B Beginning Systems 1 (1,0,0,0)**

Systems blueprint reading is practiced. How to recognize packages is presented. The ability to identify all the parts and tools associated with the Systems is emphasized. Graded Pass/Fail.

**TMST 150B Beginning Design and Repair 2 (2,0,0,0)**

Modular Interlocking Systems (MIS) blueprint reading is practiced. How to recognize the different packages is presented. The ability to identify all the parts and tools associated with MIS is emphasized. Graded Pass/Fail.

**TMST 160B Beginning Installation and Dismantle 2 (2,0,0,0)**

This course introduces blueprint reading, booth construction and tool use. Additionally, basic mathematics and human relations skills are taught. Graded Pass/Fail.

**TMST 170B Forklift Theory 3 (3,0,0,0)**

Forklift safety following OSHA standards is covered as well as forklift maintenance. Different types of forklifts and their uses are presented. Propane safety is emphasized. Load capacities and proper centering techniques are detailed. Graded Pass/Fail.

**TMST 200B Advanced Forklift 3 (3,0,0,0)**

This course covers forklift operations including loading trailers, using loading ramps and docks. Logistics of forklift operations is also covered. Graded Pass/Fail.

**TMST 220B Advanced Installation and Dismantle 3 (3,0,0,0)**

This course covers advanced blueprint reading, custom floor work and graphics. Advanced mathematics and ongoing human relations are also covered. Graded Pass/Fail.

**TMST 230B Lead Foreman Training 2 (2,0,0,0)**

This course covers leadership skills, customer service and labor calls. Management responsibilities and filling out appropriate paperwork is also covered. Graded Pass/Fail.

**TMST 240B First Aid/CPR 1 (1,0,0,0)**

Red Cross First Aid/CPR standards and accepted procedures are demonstrated for certification. Graded Pass/Fail.

**TMST 250B Condor Operating 3 (3,0,0,0)**

Operational techniques and safety are stressed. Additional topics include equipment inspection, hand signals and proper rigging. Graded Pass/Fail.

**TMST 260B Rigging 1 (1,0,0,0)**

Standard rigging hand signals and acceptable rigging techniques are detailed. Graded Pass/Fail.

**TMST 265B Heavy Duty Rigging 1 (1,0,0,0)**

In this course, the student will learn heavy rigging fundamentals as well as signal person requirements and qualifications. Graded Pass/Fail.

**TMST 270B Scissor Lift 1 (1,0,0,0)**

Operational safety following required OSHA standards and operating techniques are demonstrated. Graded Pass/Fail.





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## STUDENT CONDUCT POLICIES

The College has adopted various policies pertaining to the conduct of its students. All College policies may be found in the electronic policy manual located on the College's website at <https://www.csn.edu/policies-procedures>. Listed below are summaries of some policies that pertain to how students at CSN conduct themselves.

### Student Conduct Code

This policy provides a detailed list of prohibited behaviors that are inconsistent with the maintenance of a safe and civil learning environment. It describes the procedures in place for reporting, investigating and resolving allegations of prohibited behaviors at CSN, and addresses students' right to due process in any investigation and disciplinary action.

### Disruptive and Abusive Students Policy and Procedure

This policy and the associated procedures provide guidance and direction to instructors and staff in responding to incidents of problematic behavior that are disruptive to the conduct of a class and/or abusive to persons in the CSN community.

### Student Academic Integrity Policy

In order to uphold and support standards of personal honesty and integrity for all members of the college community consistent with the goals of a community of scholars and students seeking knowledge, it is the practice of CSN to enforce the standards for academic integrity through fair and objective procedures governing instances of alleged violations of the student academic integrity policy. This policy enhances the existing Rules of Conduct and Procedures for Students of the College of Southern Nevada with respect to violations of academic integrity.

### Possession and Use of Medical and Recreational Marijuana

The Nevada System of Higher Education is sympathetic to the medical needs of our students, employees and visitors. A growing number of states, including Nevada, are enacting laws decriminalizing or legalizing the use, possession, delivery, manufacture, growth, distribution, production, and/or cultivation (hereinafter "use") of medical and recreational marijuana.

However, federal law prohibits the use of medical or recreational marijuana on college and university campuses that receive federal funding, which CSN does receive. The following briefly summarizes some elements of the policy regarding possession and use of medical marijuana on NSHE property; for complete information please refer to the NSHE policy located at: <https://nshe.nevada.edu/wp-content/uploads/file/BoardOfRegents/Handbook/title4//T4-CH01%20General%20Policy%20Statements.pdf>.

The use, possession, or cultivation of marijuana, including for medical or recreational purposes, on any NSHE or NSHE foundation owned or leased property, or at any NSHE sponsored or authorized activity, is expressly prohibited.

- Students, employees, faculty, guests, and/or visitors who violate this policy are subject to applicable disciplinary, legal and/or administrative action.
- The Board of Regents recognizes the Nevada Legislature's stated commitment to a program evaluating the use and distribution of medical marijuana to be conducted by the University of Nevada School of Medicine. Any NSHE institution may engage in medical marijuana research that is conducted in accordance with state and federal laws and regulations, provided that the following are obtained: (a) the prior written consent of the president of the institution, after consultation with the institution's general counsel; and (b) legal authorization from the proper federal authorities for approved research purposes.

(B/R 3/18)



## REGULATIONS FOR DETERMINING RESIDENCY AND TUITION CHARGES

### **Title 4 Chapter 15**

#### **Section 1. Purpose**

These regulations have been enacted to provide uniform rules throughout the Nevada System of Higher Education (NSHE) and all member institutions thereof, for the purpose of determining whether students shall be classified as resident students or nonresident students for tuition charges.

(B/R 5/95)

#### **Section 2. Definitions**

For the purposes of these regulations, the terms stated below shall have the following meanings:

1. "Alien" means a person who is not a citizen of the United States of America.
2. "Armed Forces of the United States" means the Army, the Navy, the Air Force, the Marine Corps and the Coast Guard, on active duty and does not include the National Guard or other reserve force, with the exception of active members of the Nevada National Guard.
3. "Clear and convincing evidence" means evidence that is clear in the sense that it is not ambiguous, equivocal or contradictory and convincing in the sense that it is of such a credible, reliable, authentic and relevant nature as to evoke confidence in the truth of it.
4. "Continuously enrolled" means enrollment within a normal academic year for which continuous enrollment is claimed. A person need not attend summer sessions or other between-semester sessions in order to be continuously enrolled.
5. "Date of matriculation" means the first day of instruction in the semester or term in which enrollment of a student first occurs, except that at the University of Nevada School of Medicine it means the date that a notice of admittance is sent to a student, and at the community colleges it excludes correspondence courses and community service courses that are not state funded. A person who enrolled in an institution of the NSHE but withdrew enrollment during the 100% refund period may, for the purposes of these regulations, be deemed not to have matriculated and any determination concerning residency status shall be voided until such time as the person again enrolls at a System institution.
6. "Dependent" means a person who is not financially independent and is claimed as an exemption for federal income tax purposes under Section 152 of the Internal Revenue Code (26 U.S.C. § 152) by another person for the most recent tax year.
7. "Family" means the natural or legally adoptive parent or parents of a dependent person, or if one parent has legal custody of a dependent person, that parent.
8. "Financially independent" means a person who has not been and will not be claimed as an exemption for federal income tax purposes under Section 152 of the Internal Revenue Code (26 U.S.C. § 152) by another person, except his or her spouse, for the most recent tax year.
9. "Graduate Fellow" means a graduate student receiving a stipend that is treated as a scholarship with no specific duties required for the award.
10. "Most recent tax year" means the income tax return submitted for the prior income year.
11. "Legal guardian" means a court-appointed guardian of a dependent person, who was appointed guardian at least twelve (12) months immediately prior to the dependent person's date of matriculation and for purposes other than establishing the dependent person's residence.
12. "Nonresident" means a person who is not a resident.
13. "Objective evidence" means evidence that is verifiable by means other than a person's own statements.
14. "Relocated," means evidence of permanent, full-time employment or establishment of a business in Nevada prior to the date of matriculation.
15. "Residence" a term which for the purposes of these regulations is synonymous with the legal term "domicile," and means that location in which a person is considered to have the most settled and permanent connection, intends to remain and intends to return after any temporary absences. Residence results from the union of a person's physical presence in the location with objective evidence of an intent to remain at that location for other than a temporary purpose.
16. "Resident" means a person who has established a bona fide residence in the State of Nevada with the intent of making Nevada the person's true, fixed and permanent home and place of habitation, having clearly abandoned any former residence and having no intent to make any other location outside of Nevada the person's home and habitation. The term also includes a member of the Armed Forces of the United States who has previously established a bona fide residence in the State of Nevada, but who has been transferred to a military posting outside of Nevada while continuing to maintain a bona fide residence in Nevada. When residence for a particular period is required under these regulations, this shall mean that the person claiming residence for the period must be physically present and residing in Nevada during all of the period required, excluding temporary, short-term absences for business or pleasure.
17. "Returning student" means a student who re-enrolls after a break in enrollment of one or more semesters.
18. "Spouse" means a person's partner in legal marriage or a person's domestic partner if the domestic partnership is registered with the Office of the Nevada Secretary of State.
19. "Student" means a person who is enrolled at an institution of the NSHE.
20. "Tuition" means a monetary charge assessed against nonresident students, which is in addition to registration fees, or other fees assessed against all students. (B/R 3/18)





### Section 3. Tuition

Tuition shall be charged to nonresident students except as otherwise provided in this section. Tuition shall not be charged:

1. To current enrollees or graduates of a Nevada high school. The Subsection does not apply to enrollees or graduates of an online Nevada high school if the student is not physically present and residing in the State of Nevada while enrolled or prior to graduation.
2. To returning students who had established an exemption from tuition charges at any NSHE institution in their prior enrollment period.
3. To community college students in community service courses that are not state funded.
4. To a professional employee, classified employee, postdoctoral fellow, resident physician, or resident dentist of the NSHE currently employed at least half time, or the spouse or dependent child of such an employee.
5. To a graduate student enrolled in the NSHE and employed by the System in support of its instructional or research programs, only during the period of time of such employment.
6. To graduate fellows.
7. To a member of the Armed Forces of the United States, on active duty, stationed in Nevada as a result of a permanent change of duty station pursuant to military orders, or a person whose spouse, parent or legal guardian is a member of the Armed Forces of the United States stationed in Nevada as a result of a permanent change of duty station pursuant to military orders, including a Marine currently stationed at the Marine Corps Mountain Warfare Training Center at Pickle Meadows, California. If the member ceases to be stationed in Nevada, reside in Nevada, be stationed in Pickle Meadows, California, or be domiciled in Nevada, the spouse, child or legal guardian of the member shall not be charged tuition if the spouse, child or legal guardian of the member was enrolled prior to the reassignment and remains continuously enrolled at an NSHE institution.
8. To a veteran of the Armed Forces of the United States who was honorably discharged and who on the date of discharge was on active duty stationed in Nevada, including a marine stationed at the Marine Corps Mountain Warfare Training Center at Pickle Meadows, California, pursuant to military orders.
9. Except as otherwise provided in Subsection 8 of this section, to a veteran of the Armed Forces of the United States who was honorably discharged within the five years immediately preceding the date of matriculation of the veteran at any NSHE institution.
10. To a student enrolled in the University Studies Abroad Consortium or in the National Student Exchange Program, only during the period of time of such enrollment. Time spent in Nevada while a student is in the National Student Exchange Program shall not be counted towards satisfying the residence requirement of Section 4, Paragraph 2 below, nor shall enrollment through the Consortium or the Exchange Program be included in the “date of matriculation” for evaluation of Nevada residency.
11. To members of federally recognized Native American tribes, who do not otherwise qualify as Nevada residents, and who currently reside on tribal lands located wholly or partially within the boundaries of the State of Nevada.
12. To a covered individual, as defined by this subsection, who is living in Nevada.
  - a. This subsection complies with Section 702 of the Veterans Access, Choice, and Accountability Act of 2014 (Approval of Courses of Education provided by Public Institutions of Higher Learning for Purposes of All-Volunteer Force Educational Assistance Program and Post-9/11 Educational Assistance Conditional on In-State Tuition Rate for Veterans), as codified under 38 U.S.C 3679 (c), including but not limited to amendments under Public Law 114-315. The provisions contained herein must be interpreted to comply with the applicable federal provisions and definitions.
  - b. To affirm a covered individual is living in Nevada, institutions shall only require the covered individual to:
    - i. Provide a physical address in Nevada; and
    - ii. Sign a statement affirming the covered individual is living in Nevada and intends to become a bona fide Nevada resident.
  - c. An institution shall not require a covered individual to complete a residency form or application.
  - d. A covered individual must provide:
    - i. Either a DD-214 (Discharge Orders) or a DD-1300 (Report of Casualty) or similar documentation verifying the date of discharge or casualty; and
    - ii. A Certificate of Eligibility issued by the United States Department of Veterans Affairs or similar documentation verifying eligibility.
  - e. For purposes of this subsection, “covered individual” means:
    - i. A veteran who:
      - a) Enrolls within three years from his or her discharge or release from a period of not fewer than 90 days of service in the active military, naval, or air service, including the reserve components thereof and the National Guard; and
      - b) Is pursuing a course of education with educational assistance under Chapter 30 (All-Volunteer Force Educational Assistance Program) or Chapter 33 (Post-9/11 Veterans Educational Assistance Act) of Title 38, United States Code<sup>1</sup>.
    - ii. An individual using transferred benefits under the Post-9/11 Veterans Educational Assistance Act<sup>2</sup> and:
      - a) Who enrolls within three years of the transferor’s discharge or release from a period of active-duty service of 90 days or more, or
      - b) The transferor is a member of the uniformed services who is serving on active duty;
    - iii. An individual using benefits under the Marine Gunnery Sergeant John David Fry Scholarship (“Fry Scholarship”)<sup>3</sup> or



- iv. Survivors' and Dependents' Educational Assistance (DEA) program<sup>4</sup> and who enrolls within three years of the transferor's discharge from or service member's death in the line of duty following a period of active-duty service of 90 days or more.  
(B/R 3/18)

#### Section 4. Resident Students

Except as otherwise provided in Section 3 of this chapter, as supported by clear and convincing evidence, any person who meets any of the following categories shall be deemed a resident student for tuition purposes:

1. Except as provided otherwise in this section, a dependent person whose spouse, family or legal guardian is a bona fide resident of the State of Nevada for at least 12 months immediately prior to the date of matriculation. Some or all of the following pieces of objective evidence of Nevada residency may be required with the student's application for enrollment and must be issued at least 12 months prior to the date of matriculation:
  - a. Evidence of Nevada as the spouse's, parents' or legal guardian's permanent, primary residence at the date of matriculation (examples of evidence include home ownership, a lease agreement, rent receipts, utility bills).
  - b. The student's birth certificate or proof of legal guardianship.
  - c. The spouse's, parents' or legal guardian's tax return for the most recent tax year, which indicates the student claimed as a dependent.
  - d. A Nevada driver's license or Nevada identification card for the spouse, parent or legal guardian.
  - e. A Nevada vehicle registration for the spouse, parent or legal guardian.
  - f. Nevada voter registration for the spouse, parent or legal guardian.
  - g. Evidence that the student's spouse, family, or legal guardian has relocated to Nevada for the primary purpose of permanent full-time employment in Nevada or to establish a business in and living in Nevada (examples of evidence include a letter from the employer or copy of business license).
2. Except as provided otherwise in this section, a financially independent person whose family resides outside the State of Nevada, if the person himself or herself is a bona fide resident of the State of Nevada for at least 12 months immediately prior to the date of matriculation. Some or all of the following pieces of objective evidence of Nevada residency may be required with the student's application for enrollment and must be issued at least 12 months prior to the date of matriculation:
  - a. Evidence of 12 months physical, continuous presence in the State of Nevada prior to the date of matriculation. Examples of evidence include a lease agreement, rent receipts, utility bills.
  - b. The student's tax return for the most recent tax year, indicating a Nevada address. If no federal tax return has been filed by the student because of minimal or no taxable income, documented information concerning the receipt of such nontaxable income. If the student is under the age of 24, a copy of the parent's or legal guardian's tax return for the most recent tax year that indicates the student was not claimed as a dependent.
  - c. The student's Nevada driver's license or Nevada identification card.
  - d. The student's Nevada vehicle registration.
  - e. The student's Nevada voter registration.
  - f. Evidence that the student, and/or the person's spouse, has relocated to Nevada for the primary purpose of permanent full-time employment or to establish a business in Nevada. Examples of evidence include a letter from the employer or copy of business license.
3. A former member of the Armed Forces of the United States who was relocated from Nevada as a result of a permanent change of duty station pursuant to military orders will be considered a Nevada resident for tuition purposes under the following conditions:
  - a. He/She was a resident of Nevada prior to leaving the state as a member of the Armed Forces;
  - b. He/She maintained his/her Nevada residency while a member of the Armed Forces; and
  - c. He/She returns to the State of Nevada within one year of leaving the Armed Forces.

It will be necessary for the student to supply documentation in support of each of these conditions (e.g., driver's license, property ownership, evidence of absentee voting, etc.)
4. A graduate of a Nevada high school. This Subsection does not apply to graduates of an online Nevada high school if the student is not physically present and residing in the State of Nevada prior to graduation.
5. A financially independent person who has relocated to Nevada for the primary purpose of permanent full-time employment or to establish a business in Nevada.
6. A financially dependent person whose spouse, family, or legal guardian has relocated to Nevada for the primary purpose of permanent full-time employment or to establish a business in Nevada.
7. Licensed educational personnel employed full-time by a public school district in the State of Nevada, or the spouse or dependent child of such an employee.
8. A teacher who is currently employed full-time by a private elementary, secondary or postsecondary educational institution whose curricula meet the requirements of NRS 394.130, or the spouse or dependent child of such an employee.
9. An alien who has become a Nevada resident by establishing bona fide residence in Nevada and who holds a permanent immigrant visa, or has been granted official asylum or refugee status, or has been issued a temporary resident alien card, or holds an approved immigration petition as a result





of marriage to a U.S. citizen or is a nonimmigrant alien admitted to the U.S. with a visa classification under which the holder is eligible to establish domicile in the U.S. An alien holding another type of visa shall not be classified as a resident student pursuant to this subsection, except as may be required by federal law or court decisions and upon due consideration of evidence of Nevada residence. The vice chancellor for academic affairs shall establish procedures governing visa classifications for the purpose of determining eligibility for classification as a resident student.

(B/R 3/16)

### Section 8. Reclassification of Nonresident Status

There is a rebuttable presumption that a nonresident attending an institution of the NSHE is in the State of Nevada for the primary or sole purpose of obtaining an education. Therefore, a nonresident who enrolls in an institution of the System shall continue to be classified as a nonresident student throughout the student's enrollment, unless and until the student demonstrates that his or her previous residence has been abandoned and that the student is a Nevada resident. Each student seeking reclassification from nonresident to resident student status must satisfy the conditions described in Subsection 1 through 3.

#### 1. Application and Written Declaration:

An application for reclassification may be submitted under the provisions of this section if the material facts of a student's residency, or the residency of the student's spouse, parent or legal guardian, have substantially changed following matriculation. The student must apply in writing to the appropriate office of the institution for reclassification to resident student status. The application must include a written declaration of intent to relinquish residence in any other state and to certify to the establishment of bona fide residence in Nevada. A declaration form prescribed by the Chancellor and approved by the Board shall be utilized by each institution. The filing of a false declaration will result in the payment of nonresident tuition for the period of time the student was enrolled as a resident student and may also lead to disciplinary sanctions under Title 2, Chapter 10 of the NSHE Code. Disciplinary sanctions include a warning, reprimand, probation, suspension or expulsion.

#### 2. Bona fide Residence in Nevada:

The student, or the parents or legal guardian of the student, must document continuous physical presence as a Nevada resident for at least 12 months immediately prior to the date of the application for residency reclassification and must present clear and convincing, objective evidence of intent to remain a Nevada resident. No fewer than four of the following pieces of objective evidence must be submitted with the application for residency reclassification to the satisfaction of the institution. Any evidence or documentation associated with these pieces of evidence must be issued 12 months prior to the first day the semester for which reclassification is requested.

- a. Ownership of a home in Nevada.
- b. Lease of living quarters in Nevada.
- c. Utility receipts for the home or leased quarters.

- d. Nevada driver's license or Nevada identification card
- e. Nevada vehicle registration
- f. Nevada voter registration
- g. Evidence of employment in Nevada such as a letter from employer on employer's letterhead, W-2 income tax form, or pay stubs
- h. A license for conducting a business in Nevada
- i. Admission to a licensed practicing profession in Nevada
- j. Registration or payment of taxes or fees on a home, vehicle, mobile home, travel trailer, boat or any other item of personal property owned or used by the person for which state registration or payment of a state tax or fee is required
- k. A Nevada address listed on Selective Service registration
- l. Evidence of active savings or checking accounts in Nevada financial institutions
- m. Evidence of summer term enrollment at a NSHE institution within the prior academic year or
- n. Any other evidence that objectively documents intent to abandon residence in any other state and to establish Nevada residence.

#### 3. Financial Status:

An application for reclassification must include the following objective evidence of financial status:

- a. If financial independent, a true and correct copy of the student's federal income tax return for the most recent tax year showing a Nevada address must be submitted with the application for residency reclassification. If the student is under the age of 24, a copy of the parent's or legal guardian's tax return for the most recent tax year must be submitted that indicates the student was not claimed as a dependent. If no federal tax return has been filed because of minimal or no taxable income, documented information concerning the receipt of such nontaxable income must be submitted.
  - b. If financial dependent, a true and correct copy of the spouse, parent or legal guardian's federal income tax return for the most recent tax year showing a Nevada address must be submitted and must indicate the student filed jointly with a spouse or was claimed as a dependent. Students may also be required to provide documentation such as birth certificate, proof of legal guardianship, or a marriage certificate to prove relationship. A dependent person whose parent or legal guardian is a nonresident is not eligible for reclassification to resident student status.
4. The presentation by a person of one or more items of evidence as indicia of residence is not conclusive on the issue of residency. Determinations of residence shall be made on a case-by-case basis and the evidence presented shall be given the weight and sufficiency it deserves, after taking all available evidence into consideration.
  5. Residence in a neighboring state other than Nevada is a continuing qualification for enrollment in the WICHE Western Undergraduate Exchange Program at a NSHE



institution and in a tuition discount program approved by the Board of Regents pursuant to Title 4, Chapter 17, Section 13. A student who was initially enrolled in a System institution under the WICHE Western Undergraduate Exchange program or a tuition discount program approved by the Board shall not be reclassified as a resident student following matriculation. A nonresident student who subsequently disenrolls from the WICHE Western Undergraduate Exchange Program or a tuition discount program approved by the Board and pays full nonresident tuition for at least 12 months may apply for reclassification to resident student status. An application for reclassification may be submitted under the provisions of this section if the material facts of a student's residency as it relates the parent's or legal guardian's residency, have substantially changed following matriculation.

6. When a student has been reclassified to resident student status, the reclassification shall become effective at the registration period in the System institution immediately following the date the student receives notice of the reclassification decision.
7. No reclassification under these regulations shall give rise to any claim for refund of tuition already paid to the Nevada System of Higher Education. (B/R 3/17)

### **Section 9. Administration of the Regulations**

Each institution of the NSHE shall designate an appropriate office to implement and administer these regulations.

1. Each designated office shall make the initial decisions on the resident or nonresident student status of persons enrolling in the institution. If a verifiable error occurs when the initial decision is made to classify a student as a nonresident for tuition purposes, the designated office shall correct the decision and reclassify the student as a resident for tuition purposes without requiring the student to apply for residency reclassification.
2. Each designated office shall make the initial decisions on applications for reclassification from nonresident to resident student status.
3. The President of each System institution shall establish an appellate procedure under which a person may appeal decisions of the designated office concerning tuition or status as a resident or nonresident student to an appellate board.
  - a. A person may appeal a decision of the designated office to the appellate board within thirty (30) days from the date of the decision of the office. If an appeal is not taken within that time, the decision of the designated office shall be final.
  - b. The appellate board shall consider the evidence in accordance with the standards and criteria of these regulations and shall make a decision that shall be final. No further appeal beyond the appellate board shall be permitted.
4. In exceptional cases, where the application of these regulations works an injustice to an individual who technically does not qualify as a resident student, but whose status, either because of the residence of the student or his

family, is such as to fall within the general intent of these regulations, then the appellate board shall have the authority to determine that such a student be classified as a resident student. It is the intent of this provision that it applies only in the infrequent, exceptional cases where a strict application of these regulations results, in the sole judgment of the appellate board, in an obvious injustice.

(B/R 9/13)

### **Section 10. Uniformity of Decisions**

The decision of an institution of the NSHE to grant resident student or nonresident student status to a person shall be honored at other System institutions, unless a person obtained resident student status under false pretenses or the facts existing at the time resident student status was granted have significantly changed. Students granted nonresident student status by an institution retains the right to apply for reclassification under the provisions of the chapter.

(B/R 2/05)

## **WESTERN UNDERGRADUATE EXCHANGE PROGRAM (WUE)**

Western Undergraduate Exchange (WUE) is a program coordinated by the Western Interstate Commission for Higher Education (WICHE). Students from the following states may be eligible for reduced WUE tuition rate ;, AK, AZ, CA, CO, HI, ID, MT, NV, NM, ND, OR, SD, UT, WA, WY, Guam and Commonwealth of Northern Marianas Islands . Admitted CSN students can apply for WUE . If approved, students will be charged current in-state fees plus 50% of that amount. Nevada students may also take advantage of this reciprocal program. Students must apply for WUE prior to matriculating at the institution and must comply with Instate Application Deadlines. WUE students must declare a major prior to matriculation. Students who are not pursuing a degree are not eligible for WUE status. A student enrolled under WUE must withdraw in writing from the program and pay full nonresident tuition for at least 12 months after which she or he may apply for reclassification to resident student status.



## TITLE IX NOTICE OF NON-DISCRIMINATION

The College of Southern Nevada does not discriminate on the basis of sex in their education programs and activities; Title IX of the Education Amendments Act of 1972 is a federal law that states at 20 U.S.C. §1681(a):

“No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any education program or activity receiving Federal financial assistance.”

CSN has designated Eric J. Gilliland, Senior Director – Employee Relations, Institutional Equity & Title IX, CSN Charleston Campus, 6375 West Charleston Blvd.; Bldg. E, Office E-411, Las Vegas, NV 89146, Phone: 702-651-5052, Email: [eric.gilliland@csn.edu](mailto:eric.gilliland@csn.edu), as the College’s Title IX Coordinator.

The Title IX Coordinator is responsible for overseeing all Title IX complaints, and identifying and addressing any patterns or systemic problems that arise during the review of such complaints. Inquiries concerning the application of Title IX may be referred to the CSN Title IX Coordinator or the Office of Civil Rights of the United States Department of Education.

## NSHE NON-DISCRIMINATION POLICY

### A. NSHE Non-Discrimination Policy

#### 1. Policy Applicability and Sanctions:

The Nevada System of Higher Education (NSHE) is committed to providing a place of work and learning free of discrimination on the basis of a person’s age, disability, whether actual or perceived by others (including service-connected disabilities), gender (including pregnancy related conditions), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race, or religion. Where discrimination is found to have occurred, the NSHE will act to stop the discrimination, to prevent its recurrence, to remedy its effects, and to discipline those responsible.

No employee or student, either in the workplace or in the academic environment, should be subject to discrimination. It is expected that students, faculty and staff will treat one another and campus visitors with respect.

All students, faculty, staff, and other members of the campus community are subject to this policy. Students, faculty, or staff who violate this policy are subject to discipline up to and including termination and/or expulsion, in accordance with the NSHE Code (or in the case of students, any applicable student code of conduct) or, in the case of classified employees, the Nevada Administrative Code or, in the case of Desert Research Institute (DRI) technologists, the Technologists Manual. Other lesser sanctions may be imposed, depending on the circumstances. Complaints may also be filed against visitors, consultants, independent contractors, service providers, and outside vendors whose conduct violates this policy, with a possible sanction of limiting access to institution facilities and other measures to protect the campus community.

### 2. Non-discrimination Policy and Prevention of Sexual Harassment Training.

#### a. Non-discrimination Policy.

All employees shall be given a copy of this non-discrimination policy and each institution shall maintain documentation that each employee received the non-discrimination policy. New employees shall be given a copy of this policy at the time of hire and each institution’s Human Resources Office shall maintain documentation that each new employee received the policy.

Each institution shall provide this policy to its students at least annually and may do so electronically.

Each institution shall include this policy and complaint procedure on its website and in its general catalog.

Each institution shall have an ongoing non-discrimination training program and shall designate a person or office to be responsible for such training.

#### b. Prevention of Sexual Harassment Training.

Within six months after an employee is initially appointed to NSHE, the employee shall receive training regarding the prevention of sexual harassment. At least once every two years after the appointment, an employee shall receive training concerning the prevention of sexual harassment.

### 3. Discriminatory Acts.

It is illegal to discriminate in any aspect of employment or education, such as:

- hiring and firing;
- compensation, assignment, or classification of employees;
- transfer, promotion, layoff, or recall;
- job advertisements;
- recruitment;
- testing;
- grading;
- acceptance or participation in an academic program or school activity;
- use of employer’s facilities;
- training programs;
- fringe benefits;
- pay, retirement plans, and disability accommodations or leave; or
- other terms and conditions of employment.

Determining what constitutes discrimination under this policy will be accomplished on a case-by-case basis and depends upon the specific facts and the context in which the conduct occurs. Some conduct may be inappropriate, unprofessional, and/or subject to disciplinary action, but would not fall under the definition of discrimination. The specific action taken, if any, in a particular instance depends on the nature and gravity of the conduct reported, and may include non-discrimination related disciplinary processes.



Discriminatory acts also include:

- discrimination on the basis of a person’s age, disability (including service-connected disabilities), gender (including pregnancy related conditions), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race, or religion;
- retaliation against an individual for filing a charge of discrimination, participating in an investigation, or opposing discriminatory acts;
- employment or education decisions based on stereotypes or assumptions about the abilities, traits or performance of individuals of a certain age, disability (including service-connected disabilities), gender (including pregnancy related condition), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race, or religion; and
- severe, persistent or pervasive conduct that has the purpose or effect of substantially interfering with an individual’s academic or work performance, or of creating an intimidating, hostile or offensive environment in which to work or learn.

This behavior is unacceptable in the work place and the academic environment. Even one incident, if it is sufficiently serious, may constitute discrimination. One incident, however, does not necessarily constitute discrimination.

## B. Policy Against Sexual Harassment

### 1. Sexual Harassment is Illegal under Federal and State Law.

The Nevada System of Higher Education (NSHE) is committed to providing a place of work and learning free of sexual harassment, including sexual violence. Where sexual harassment is found to have occurred, the NSHE will act to stop the harassment, to prevent its recurrence, to remedy its effects, and to discipline those responsible in accordance with the NSHE Code, in the case of students, any applicable student code of conduct, in the case of classified employees, the Nevada Administrative Code, or in the case of DRI technologists, the Technologists Manual. Sexual harassment, including sexual violence, is a form of discrimination; it is illegal.

No employee or student, either in the workplace or in the academic environment, should be subject to unwelcome verbal or physical conduct that is sexual in nature. Sexual harassment does not refer to occasional compliments of a socially acceptable nature. It refers to behavior of a sexual nature that is not welcome, that is personally offensive, and that interferes with performance.

It is expected that students, faculty, and staff will treat one another with respect.

### 2. Policy Applicability and Sanctions

All students, faculty, staff, and other members of the campus community are subject to this policy. Individuals who violate this policy are subject to discipline up to and

including termination and/or expulsion, in accordance with the NSHE Code (or applicable Student Code of Conduct), in the case of classified employees, the Nevada Administrative Code, or in the case of DRI technologists, the Technologists Manual.

Other, lesser sanctions may be imposed, depending on the circumstances.

### 3. Training, Employees and Students.

All employees shall be given a copy of this policy and each institution shall maintain documentation that each employee received the policy. New employees shall be given a copy of this policy at the time of hire and each institution’s Human Resources Office shall maintain a record that each new employee received the policy.

Each institution shall provide this policy to its students at least annually and may do so electronically.

Each institution shall include this policy and complaint procedure on its website and in its general catalog.

Each institution shall have an on-going sexual harassment prevention and awareness campaign and training program for employees and students.

See also Special Training with Regard to Sexual Violence, Section D(4)(c) below.

### 4. Sexual Harassment Defined.

Under this policy, unwelcome sexual advances, requests for sexual favors, and other visual, verbal or physical conduct of a sexual or gender bias nature constitute sexual harassment when:

#### a. Educational Environment:

1. Submission to such conduct is made either explicitly or implicitly a term or condition of an individual’s academic status (“quid pro quo”);
2. Conduct that is sufficiently severe, persistent or pervasive so as to interfere with or limit a student’s ability to participate in or benefit from the services, activities or opportunities offered by the institution (“hostile environment”).

#### b. Workplace Environment:

1. Submission to or rejection of the conduct is used as a basis for academic or employment decisions or evaluations, or permission to participate in an activity (“quid pro quo”); or
2. Conduct that is sufficiently severe, persistent or pervasive so as to create a work environment that a reasonable person would consider intimidating, hostile or abusive, and which may or may not interfere with the employee’s job performance (“hostile environment”).

Sexual violence is a severe form of sexual harassment, and refers to physical sexual acts or attempted sexual acts perpetrated against a person’s will or where a person is incapable of giving consent, including but not limited to rape, sexual assault, sexual battery, sexual coercion or similar acts in violation of state or federal law.





## 5. Sexual Harassment Examples, Sexual Assault, Dating Violence, Domestic Violence, Stalking, Consent and Coercion Defined.

- a. Sexual Harassment Examples. Sexual harassment may take many forms— subtle and indirect, or blatant and overt. For example,
- It may occur between individuals of the opposite sex or of the same sex.
  - It may occur between students, between peers and/ or co-workers, or between individuals in an unequal power relationship (such as by a supervisor with regard to a supervised employee or an instructor regarding a current student).
  - It may be aimed at coercing an individual to participate in an unwanted sexual relationship or it may have the effect of causing an individual to change behavior or work performance.
  - It may consist of repeated actions or may even arise from a single incident if sufficiently severe.
  - It may also rise to the level of a criminal offense, such as battery or sexual violence.
  - Sexual violence is a physical act perpetrated against a person's will or where a person is incapable of giving consent due to the victim's use of drugs or alcohol or other factors which demonstrate a lack of consent or inability to give consent. An individual also may be unable to give consent due to an intellectual or other disability. Sexual violence includes, but is not limited to, rape, sexual assault, sexual battery, and sexual coercion.

Determining what constitutes sexual harassment under this policy is dependent upon the specific facts and the context in which the conduct occurs. Some conduct may be inappropriate, unprofessional, and/or subject to disciplinary action, but would not fall under the definition of sexual harassment. The specific action taken, if any, in a particular instance depends on the nature and gravity of the conduct reported, and may include disciplinary processes.

Examples of unwelcome conduct of a sexual or gender related nature that may constitute sexual harassment may, but do not necessarily, include, and are not limited to:

Rape, sexual assault, sexual battery, sexual coercion or other sexual violence;

Sexually explicit or gender related statements, comments, questions, jokes, innuendoes, anecdotes, or gestures;

Other than customary handshakes, uninvited touching, patting, hugging, or purposeful brushing against a person's body or other inappropriate touching of an individual's body;

Remarks of a sexual nature about a person's clothing or body;

Use of mail, text messages, social media, electronic or computer dissemination of sexually oriented, sex-based communications;

Sexual advances, whether or not they involve physical touching;

Requests for sexual favors in exchange for actual or promised job or educational benefits, such as favorable reviews, salary increases, promotions, increased benefits, continued employment, grades, favorable assignments, letters of recommendation;

Displaying sexually suggestive objects, pictures, magazines, cartoons, screen savers or electronic files;

Inquiries, remarks, or discussions about an individual's sexual experiences or activities and other written or oral references to sexual conduct.

Even one incident, if it is sufficiently serious, may constitute sexual harassment. One incident, however, does not necessarily constitute sexual harassment.

### b. Sexual Assault.

Sexual Assault means a person subjects another person to sexual penetration, or forces another person to make a sexual penetration on himself or herself or another, or on a beast, against the will of the victim or under conditions in which the perpetrator knows or should know that the victim is mentally or physically incapable of resisting or understanding the nature of his or her conduct.

### c. Dating Violence.

Dating Violence is an act committed by a person who is or has been in a "dating relationship" with the reporting party:

1. The existence of such a relationship shall be determined based on the reporting party's statement and with consideration of the length of the relationship, the type of relationship, and the frequency of interaction between the persons involved in the relationship. "Dating relationship" means frequent, intimate associations primarily characterized by the expectation of affection or sexual involvement. The term does not include a casual relationship or an ordinary association between persons in a business or social context.

### d. Domestic Violence.

Domestic Violence is an act that includes but is not limited to violence that occurs when a person commits one of the following acts against or upon the person's spouse or former spouse, any other person to whom the person is related by blood or marriage, any other person with whom the person is or was actually residing, any other person with whom the person has had or is having a dating relationship, any other person with whom the person has a child in common, the minor child of any of those persons, the person's minor child or any other person who has been appointed the custodian or legal guardian for the person's minor child:

1. A battery.
2. An assault.





3. Compelling the other person by force or threat of force to perform an act from which the other person has the right to refrain or to refrain from an act which the other person has the right to perform.
4. A sexual assault.
5. A knowing, purposeful or reckless course of conduct intended to harass the other person. Such conduct may include, but is not limited to:
  - a. Stalking.
  - b. Arson.
  - c. Trespassing.
  - d. Larceny.
  - e. Destruction of private property.
  - f. Carrying a concealed weapon without a permit.
  - g. Injuring or killing an animal.
6. A false imprisonment.
7. Unlawful entry of the other person's residence, or forcible entry against the other person's will if there is a reasonably foreseeable risk of harm to the other person from the entry.

e. Stalking.

Stalking is defined to be when a person who, without lawful authority, willfully or maliciously engages in a course of conduct that would cause a reasonable person to feel terrorized, frightened, intimidated, harassed or fearful for the immediate safety of a family or household member, and that actually causes the victim to feel terrorized, frightened, intimidated, harassed or fearful for the immediate safety of a family or household member. Stalking includes but is not limited to:

1. Engaging in a course of conduct directed at a specific person that would cause a reasonable person to:
  - a. Fear for the person's safety or the safety of others; or
  - b. Suffer substantial emotional distress.
2. For the purpose of this definition:
  - a. Course of conduct means two or more acts, including, but not limited to, acts in which the stalker directly, indirectly, or through third parties, by any action, method, device, or means follows, monitors, observes, surveils, threatens or communicates to or about, a person, or interferes with a person's property.
  - b. Substantial emotional distress means significant mental suffering or anguish that may, but does not necessarily, require medical or other professional treatment or counseling.
  - c. Reasonable person means a reasonable person under similar circumstances and with similar identities to the victim.

f. Coercion. Coercion is:

- the use of violence or threats of violence against a person or the person's family or property;

- depriving or hindering a person in the use of any tool, implement or clothing;
- attempting to intimidate a person by threats or force, or
- when committed with the intent to compel a person to do or abstain from doing an act that the person has the right to do or abstain from doing.

In the context of sexual misconduct, coercion is the use of pressure to compel another individual to initiate or continue sexual activity against an individual's will. Coercion can include a wide range of behaviors, including intimidation, manipulation, threats, and blackmail. A person's words or conduct are sufficient to constitute coercion if they impair another individual's freedom of will and ability to choose whether or not to engage in sexual activity. Examples of coercion include threatening to "out" someone based on sexual orientation, gender identity, or gender expression and threatening to harm oneself if the other party does not engage in the sexual activity.

g. Consent.

Consent is defined as:

- An affirmative, clear, unambiguous, knowing, informed, and voluntary agreement between all participants to engage in sexual activity. Consent is active, not passive. Silence or lack of resistance cannot be interpreted as consent. Seeking and having consent accepted is the responsibility of the person(s) initiating each specific sexual act regardless of whether the person initiating the act is under the influence of drugs and/or alcohol.
- The existence of a dating relationship or past sexual relations between the participants does not constitute consent to any other sexual act.
- The definition of consent does not vary based upon a participant's sex, sexual orientation, gender identity or gender expression.
- Affirmative consent must be ongoing throughout the sexual activity and may be withdrawn at any time. When consent is withdrawn or cannot be given, sexual activity must stop.
- Consent cannot be given when a person is incapacitated. Incapacitation occurs when an individual lacks the ability to fully, knowingly choose to participate in sexual activity. Incapacitation includes impairment due to drugs or alcohol (whether such use is voluntary or involuntary); inability to communicate due to a mental or physical condition; the lack of consciousness or being asleep; being involuntarily restrained; if any of the parties are under the age of 16; or if an individual otherwise cannot consent.
- Consent cannot be given when it is the result of any coercion, intimidation, force, or threat of harm.

**C. Remedies and Interim Measures.**

It may be necessary or advisable to take actions (as determined by the institution) designed to minimize the chance that the respondent will either continue to harass or retaliate against



the complainant and to provide additional support to the complainant. Such actions (as determined by the institution) may also be necessary or advisable on behalf of a respondent. The measures themselves must not amount to retaliation against the complainant or the respondent. Depending on the specific nature of the problem, interim measures and final remedies may include, but are not limited to:

**For Students:**

- Issuing a no contact directive;
- Providing an effective escort to ensure safe movement between classes and activities;
- Not sharing classes or extracurricular activities;
- Moving to a different residence hall (complainants should only be moved upon their request);
- Providing written information regarding institution and community services including but not limited to medical, counseling and academic support services, such as tutoring;
- Providing extra time to complete or re-take a class or withdraw from a class without an academic or financial penalty;
- Restricting to online classes;
- Providing information regarding campus transportation options;
- Reviewing any disciplinary actions taken against the complainant to see if there is a connection between the sexual violence and the misconduct that may have resulted in the complainant being disciplined<sup>1</sup>; and
- Requiring the parties to report any violations of these restrictions.

**For Employees:**

- Provide an effective escort to ensure safe movement between work area and/or parking lots/other campus locations;
- Issuing a no contact directive;
- Placement on paid leave (not sick or annual leave);
- Placement on administrative leave;
- Transfer to a different area/department or shift in order to eliminate or reduce further business/social contact;
- Providing information regarding campus transportation options;
- Instructions to stop the conduct;
- Providing information regarding institution and community services including medical, counseling and Employee Assistance Program;
- Reassignment of duties;
- Changing the supervisory authority; and

- Directing the parties to report any violations of these restrictions.

Interim measures and final remedies may include restraining orders, or similar lawful orders issued by the institution, criminal, civil or tribal courts. Interim measures and final remedies will be confidential to the extent that such confidentiality will not impair the effectiveness of such measures or remedies.

Final remedies may also include review and revision of institution sexual misconduct policies, increased monitoring, supervision or security at locations where incidents have been reported; and increased and/or targeted education and prevention efforts.

Any interim measures or final remedies shall be monitored by the Title IX coordinator throughout the entire process to assess whether the interim measures or final remedies meet the goals of preventing ongoing harassment or discrimination, protecting the safety of the parties and preventing retaliatory conduct.

**D. Complaint and Investigation Procedure.**

This section provides the complaint and investigation procedure for complaints of discrimination or sexual harassment, including sexual violence (except that complaints against students may be referred to student disciplinary processes)<sup>2</sup>. The Chancellor (for the System Office) and each president shall designate no fewer than two administrators to receive complaints. The administrators designated to receive the complaints may include the following: (1) the Title IX coordinator; (2) the affirmative action officer; (3) the human resources officer; or (4) any other officer designated by the president. The president shall also designate a primary investigating officer (primary officer) to process all complaints. The primary officer may be any of the individuals identified in this paragraph. All complaints, whether received by the affirmative action officer, human resources officer or other designated officer, must immediately be forwarded to the primary officer. All Title IX complaints must be immediately forwarded to the Title IX coordinator.

An individual filing a complaint of alleged discrimination or sexual harassment shall have the opportunity to select an independent advisor for assistance, support, and advice and shall be notified of this opportunity by the primary officer, or the primary officer's designee. It shall be the choice of the individual filing the complaint to utilize or not utilize the independent advisor. The independent advisor may be brought into the process at any time at the request of the complainant. The means and manner by which an independent advisor shall be made available shall be determined by each institution or unit.

An individual against whom a complaint of alleged discrimination or sexual harassment is filed shall have the opportunity to select an independent advisor for assistance,

<sup>1</sup> For example, if the complainant was disciplined for skipping a class in which the respondent was enrolled, the institution should review the incident to determine if the complainant skipped class to avoid contact with the respondent.

<sup>2</sup> Note: Sexual misconduct that also constitutes a criminal offense may be prosecuted independently and simultaneously by law enforcement agencies.



support, and advice and shall be notified of this opportunity by the primary officer, or by the primary officer's designee. It shall be the choice of the individual against whom the complaint is filed to utilize or not utilize the independent advisor. The independent advisor may be brought into the process at any time at the request of the respondent. The means and manner by which an independent advisor shall be made available shall be determined by each institution or unit.

The individual filing a complaint of sexual harassment and the individual against whom a complaint is filed must be provided with a written explanation of their rights and options, including the available interim measures, and written notification of services available to victims on campus and in the community.

If anyone in a supervisory, managerial, administrative or executive role or position, such as a supervisor, department chair, or director of a unit, receives a complaint of alleged discrimination or sexual harassment, or observes or becomes aware of conduct that may constitute discrimination or sexual harassment, the person must immediately contact one of the individuals identified in this section above to forward the complaint, to discuss it and/or to report the action taken. Title IX complaints must be immediately provided to the Title IX coordinator.

Complaints of discrimination or sexual harassment should be filed as soon as possible with the supervisor, department chair, dean, or one of the administrators listed in this section above and/or designated by the president to receive complaints of alleged sexual harassment or discrimination.

### 1. Employees.

- a. An employee who believes that he or she has been subjected to discrimination or sexual harassment by anyone is encouraged—but it is neither necessary nor required, particularly if it may be confrontational—to promptly tell the person that the conduct is unwelcome and ask the person to stop the conduct. An employee is not required to do this before filing a complaint. A person who receives such a request must immediately comply with it and must not retaliate against the employee.
- b. The employee may file a discrimination or sexual harassment complaint with his or her immediate supervisor, who will in turn immediately contact one of the officials listed in Section D above.
- c. If the employee feels uncomfortable about discussing the incident with the immediate supervisor, the employee should feel free to bypass the supervisor and file a complaint with one of the other listed officials or with any other supervisor.
- d. After receiving any employee's complaint of an incident of alleged discrimination or sexual harassment, the supervisor will immediately contact any of the individuals listed in Section D above to forward the complaint, to discuss it and/or to report the action taken. The supervisor has a responsibility to act even if the individuals involved do not report the complaint to that supervisor.

### 2. Students.

- a. A student who believes that he or she has been subjected to discrimination or sexual harassment by anyone is encouraged—but it is neither necessary nor required particularly if it may be confrontational—to promptly tell the person that the conduct is unwelcome and ask the person to stop the conduct. A student is not required to do this before filing a complaint. A person who receives such a request must immediately comply with it and must not retaliate against the student.
- b. The student may file a complaint with his or her major department chair or director of an administrative unit, who will in turn immediately contact one of the officials listed in Section D above.
- c. If the student feels uncomfortable about discussing the incident with the department chair or director of an administrative unit, the student should feel free to bypass the person and file a complaint with one of the above officials in Section D or to any chair, dean, or director of an administrative unit who will in turn immediately contact one of the officials listed above in Section D to forward the complaint, to discuss it and/or to report the action taken. The chair, dean or director of an administrative unit has a responsibility to act even if the individuals involved do not report to that person.

### 3. Non-Employees and Non-Students.

Individuals who are neither NSHE employees nor NSHE students and who believe they have been subjected to discrimination or sexual harassment by a NSHE employee during the employee's work hours or by a NSHE student on campus or at a NSHE-sponsored event may utilize any of the complaint processes set forth above in this Section D.

### 4. Training, Investigation and Resolution.

- a. General Requirements. The Title IX coordinator, executives, administrators designated to receive complaints, primary officer or designee, and appropriate management with decision-making authority shall have training or experience in handling discrimination and sexual misconduct complaints, and in the operation of the NSHE and Nevada Administrative Code disciplinary procedures.
- b. Primary Prevention and Awareness Training. Institutions must offer new students and new employees primary prevention and awareness training that promotes awareness of rape, domestic violence, dating violence, sexual assault and stalking as defined in this policy. The training must address safe and positive options for bystander intervention to prevent harm or intervene in risky situations and the recognition of abusive behavior and how to avoid potential attacks.
- c. Special Training With Regard to Sexual Violence. The training for each of the individuals identified in paragraph 4.a above, should include annual training on how to investigate and conduct hearings in a manner that protects the safety of complainants and promotes accountability;



information on working with and interviewing persons subjected to sexual violence; information on particular types of conduct that would constitute sexual violence, including stalking and same-sex sexual violence; the proper standard of review for sexual violence complaints (preponderance of the evidence); information on risk reduction; information on consent and the role drugs or alcohol can play in the ability to consent; the importance of accountability for individuals found to have committed sexual violence; the need for remedial actions for the respondent, complainant, and institution community; how to determine credibility; how to evaluate evidence and weigh it in an impartial manner; how to conduct investigations; confidentiality; the effects of trauma, including neurobiological change; and cultural awareness training regarding how sexual violence may impact students differently depending on their cultural backgrounds.

- d. **Investigation.** After receiving a complaint of the incident or behavior, the primary officer, or designee, will initiate an investigation to gather information about the incident. If the primary officer is unable to initiate an investigation, due to a conflict or for any other reason, the president shall designate another individual to act as primary officer for the matter. Each institution may set guidelines for the manner in which an investigation shall be conducted. The guidelines shall provide for the prompt, thorough, impartial, and equitable investigation and resolution of complaints, and shall identify the appropriate management level with final decision-making authority. The guidelines shall, at a minimum, provide the person subject to the complaint with information as to the nature of the complaint, and shall further provide that the person filing the complaint and the person who is the subject of the complaint have equal rights to be interviewed, identify witnesses and provide documentation pertaining to the complaint. In most cases, an investigation should be completed within 45 calendar days of receipt of the complaint.
- e. **Standard of Review.** The standard for evaluating complaints shall be a preponderance of the evidence (i.e., the evidence establishes that it is more likely than not that the prohibited conduct occurred). At the completion of the investigation, findings and a recommendation will be made to the appropriate management regarding the resolution of the matter. The recommendation is advisory only.
- f. **Management Determination.** After the recommendation has been made, a determination will be made by appropriate management regarding the resolution of the matter. If warranted, disciplinary action up to and including involuntary termination or expulsion will be taken. Any such disciplinary action shall be taken, as applicable, in accordance with NSHE Code Chapter 6, Chapter 8 or Chapter 10 (or applicable Student Code of Conduct), or, in the case of classified employees, Nevada

Administrative Code (NAC) Chapter 284, or in the case of DRI technologists, the Technologists Manual. Other appropriate actions will be taken to correct problems and remedy effects, if any, caused by the conduct, if appropriate. If proceedings are initiated under Title 2, Chapter 6, Chapter 8 or Chapter 10, the applicable Student Code of Conduct, the NAC Chapter 284, or Technologists Manual, the investigation conducted pursuant to this policy may be used as part of such investigations. The administrative officer, in his or her discretion, may also supplement the investigation with additional investigation. In any disciplinary hearings conducted pursuant to a Student Code of Conduct or under Title 2, Chapter 6, Chapter 8, Chapter 10, the NAC Chapter 284, or Technologists Manual, the standard of evidence shall be by a preponderance of the evidence, (i.e., the evidence establishes that it is more likely than not that the prohibited conduct occurred).

- In connection with any such disciplinary hearings, the person filing the complaint and the person who is the subject of the complaint have equal rights to be interviewed, identify witnesses, and provide and receive documentation and witness lists pertaining to the complaint, and if an appeal is provided, to appeal the decision.
- g. **Parties to be Informed.** After the appropriate management has made a determination regarding the resolution of the matter, and depending on the circumstances, both parties may be informed concurrently of the resolution (see subparagraph i below).
  - h. **Confidentiality of Actions Taken.** In the event actions are taken against an individual under NSHE Code Title 2, Chapter 6, Chapter 8 or Chapter 10 (or applicable Student Code of Conduct) or NAC Chapter 284, or the Technologists Manual, such matters generally remain confidential under those sections, except that final decisions following hearings or appeals of professional employees and State of Nevada personnel hearings involving classified employees are public records. Student matters generally remain confidential under the Family Educational Rights and Privacy Act, 20 U.S.C. §1232g, 34 CFR Part 99 (FERPA).
  - i. **Crime of Violence Exception to the Family Educational Rights and Privacy Act (FERPA).** When discriminatory conduct or sexual harassment involves a crime of violence or a non-forcible sexual offense, FERPA permits the institution to disclose to the complainant the final results (limited to the name of the respondent, any violation found to have been committed, and any sanction imposed) of a disciplinary proceeding against the respondent, regardless of whether the institution concluded that a violation was committed. With respect to an institutional disciplinary proceeding alleging sexual violence, domestic violence, dating violence or stalking offense, the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act, 20 U.S.C. §1092





(f). 34 CFR 668.46 (Clery Act) requires that the accuser and the accused must be simultaneously informed of the outcome.

- j. Disclosure of Sanction Imposed. In the event a student is found to have engaged in sexual harassment of another student, the institution shall disclose to the student who was harassed, information about the sanction imposed on the student who was found to have engaged in harassment when the sanction directly relates to the harassed student.
- k. Resignation of Employee or Withdrawal of Student. If a student respondent withdraws from the institution or an employee respondent ends employment (e.g., resigns, retires) while an investigation of a complaint involving gender discrimination or sexual harassment is pending under this policy, the Title IX coordinator shall take appropriate action, which may include completing the investigation to the extent reasonably practicable, in order to prevent the reoccurrence of and to remedy the effects of the alleged misconduct.
- l. Title IX Coordinator Monitoring. The institution Title IX coordinator has primary responsibility for coordinating the institution's efforts to comply with and carry out its responsibilities under Title IX. The Title IX coordinator is responsible for monitoring all aspects of the investigation and any disciplinary process to help ensure that:
  - 1. the process is fair and equitable to both the complainant and the respondent;
  - 2. the applicable policies and procedures of NSHE and of the institution are followed; and
  - 3. the interim measures and final remedies are followed.

## 5. Prompt Attention.

Complaints of discrimination or sexual harassment are taken seriously and will be dealt with promptly, thoroughly, impartially, and equitably. Where discrimination is found to have occurred, the NSHE institution or unit where it occurred will act to stop the discrimination or sexual harassment, to prevent its recurrence, to remedy its effects, if any, and to discipline those responsible.

## 6. Confidentiality.

The NSHE recognizes that confidentiality is important. However, in some limited circumstances confidentiality cannot be guaranteed. The administrators, faculty or staff responsible for implementing this policy will respect the privacy of individuals reporting or accused of discrimination or sexual harassment to the extent reasonably possible and will maintain confidentiality to the extent possible.

Examples of situations where confidentiality cannot be maintained include, but are not limited to, necessary disclosures during an investigation, circumstances where the NSHE is required by law to disclose information (such as in response to legal process), or when an individual is in harm's way.

- a. Confidentiality in Complaints Involving Sexual Violence. In complaints involving sexual violence the following applies:

1. Varying Confidentiality Obligations. Complainants who are victims of sexual violence are encouraged to talk to somebody about what happened in order for them to receive the support they need, and so the institution can respond appropriately. Different individuals at the institution have different abilities to maintain a complainant's confidentiality:
  - Some are required to maintain near complete confidentiality; talking to them is sometimes called a "privileged communication."
  - Other employees may talk to a complainant in confidence, and generally only report to the institution that an incident occurred without revealing any personally identifying information. Disclosures to these employees will not trigger investigation into an incident against the complainant's wishes, except in certain circumstances discussed below.
  - Complainants are encouraged to talk to one of the individuals identified in this Section 6.
  - Some employees are required to report all the details of an incident (including the identities of both the complainant and all others involved) to the Title IX coordinator. A report to these employees (called "responsible employees") constitutes a report to the institution – and generally obligates the institution to investigate the incident and take appropriate steps to address the situation.

This policy is intended to make employees, students and others aware of the various reporting and confidential disclosure options available to them so they can make informed choices about where to turn should they want to report an act of sexual violence. The institution encourages such complainants to talk to someone identified in one or more of these groups.

2. Privileged and Confidential Communications. A complainant or respondent may wish to consult with professional counselors, pastoral counselors or others. Certain professionals are not required to report incidents unless they have been granted permission:
  - Professional Counselors. Professional, licensed counselors who provide mental-health counseling to members of the institution community (and including those who act in that role under the supervision of a licensed counselor) are not required to report any information about an incident to the Title IX coordinator without a complainant's permission.
  - Pastoral Counselors. A complainant and/or a respondent may choose to consult with a non-institution pastoral counselor and is encouraged to discuss confidentiality with that individual.
  - Under Nevada law other professionals who may maintain confidentiality include lawyers, psychologists, doctors, social workers, and victim advocates employed by non-profit entities.





3. **Complainant Options.** A complainant who reports an act of sexual violence to a professional listed above in Section 6.a.2 must understand that, if they want to maintain confidentiality, the institution will be unable to conduct a full investigation into the incident and will likely be unable to pursue disciplinary action against the respondent.

A complainant who at first requests confidentiality may later decide to file a complaint with the institution or report the incident to local law enforcement, and thus have the incident fully investigated. A complainant shall be assisted in reporting the incident to local law enforcement if the complainant requests such assistance.

**Other Reporting Obligations:** While professional counselors may maintain a complainant's confidentiality vis-à-vis the institution, they may have reporting or other obligations under state law. For example, there may be an obligation to report child abuse, an immediate threat of harm to self or others, or to report in the case of hospitalization for mental illness.

NSHE Employee Assistance Program providers would follow these guidelines, as would professionals in NSHE institution student counseling and psychological services areas, and professionals in community health clinics that reside on or are associated with NSHE institutions.

b. **Reporting to "Responsible Employees<sup>3</sup>."**

1. **"Responsible Employees" Defined and Duties.** A "responsible employee" is an employee who has the duty to report incidents of sexual violence or other sexual misconduct, or who a complainant could reasonably believe has this authority or duty. When a complainant reports an incident of sexual violence to a responsible employee, the complainant has the right to expect the institution to take prompt and appropriate steps to investigate what happened and to resolve the matter promptly and equitably.

A responsible employee must report to the Title IX coordinator all relevant details about the alleged sexual violence shared by the complainant and that the institution will need to determine what happened – including the name(s) of the complainant, respondent(s) and any witnesses, and any other relevant facts, including the date, time and specific location of the alleged incident. To the extent possible, information reported to a responsible employee will be shared only with people responsible for handling the institution's response to the report. A responsible employee should not share information with law enforcement without the

complainant's consent or unless the complainant has also reported the incident to law enforcement.

Institutions must identify in their policies those employees who are designated as "responsible employees" and may also designate those employees who are not considered "responsible employees."

Responsible employees may include but are not limited to the following employees (or categories of employees):

- Title IX coordinator
- Anyone in a supervisory, managerial, administrative or executive role or positions, such as a provost, vice provost, vice president, dean, department chair, director of a unit, resident director, resident assistant, supervisor, student advocate or faculty advisors to student clubs.

Before a complainant reveals any information to a responsible employee, the employee will inform the complainant of the employee's reporting obligations. If the complainant wants to maintain confidentiality, the employee will direct the complainant to confidential resources.

If the complainant wants to tell the responsible employee what happened but also wants to maintain confidentiality, the employee will inform the complainant that the institution will consider the request, but cannot guarantee that the institution will honor it. In reporting the details of the incident to the Title IX coordinator, the responsible employee will also inform the coordinator of the complainant's request for confidentiality.

Responsible employees will not pressure a complainant regarding the extent of the report the complainant wants to make. Responsible employees will not pressure a complainant to request confidentiality, but will honor and support the complainant's wishes, including for the institution to fully investigate an incident. By the same token, responsible employees will not pressure a complainant to make a full report if the complainant is not ready to make such a report.

2. **Requesting Confidentiality From the Institution: How the Institution Will Weigh the Request and Respond.**

a. **Request for Confidentiality.** If a complainant discloses an incident to a responsible employee but wishes to maintain confidentiality or requests that no investigation into a particular incident be conducted or disciplinary action taken, the institution will weigh that request against the institution's obligation to provide a safe, non-discriminatory environment for everyone, including the complainant. If the Institution honors the request for confidentiality, a complainant will be informed that the institution's ability to investigate the incident and pursue disciplinary action against the respondent may be limited.

<sup>3</sup> Note: Campus Security Authorities, who are designated by the institutions in accordance with Clery Act requirements, have an independent responsibility to report sexual and other crimes (which may be reported anonymously) to campus police.



There are times when, in order to provide a safe, non-discriminatory environment for all, the institution may not be able to honor a complainant's request for confidentiality. The institution shall designate an individual to evaluate requests for confidentiality made by a complainant.

- b. **Factors to Be Considered.** When weighing a complainant's request for confidentiality or a complainant's request that no investigation or discipline be pursued, the institution will consider a range of factors, including the following:
- i. The increased risk that the identified respondent will commit additional acts of sexual or other violence, such as:
    - o whether there have been other sexual violence complaints about the same respondent;
    - o whether the respondent has a history of arrests or other records indicating a history of violence;
    - o whether the respondent threatened further sexual violence or other violence against the complainant or others;
    - o whether the sexual violence was committed by multiple persons;
    - o whether the circumstances of the incident indicate that the behavior was planned by the respondent or others;
  - ii. Whether the reported sexual violence was committed with a weapon;
  - iii. Whether the complainant is a minor;
  - iv. Whether the institution possesses other means to obtain relevant evidence of the reported sexual violence (e.g., security cameras or personnel, physical evidence);
  - v. Whether the complainant's information reveals a pattern of behavior (e.g., illicit use of drugs, alcohol, coercion, intimidation) at a given location or by a particular group;
  - vi. Other factors determined by the institution that indicate the respondent may repeat the behavior or that others may be at risk.

Based on one or more of these factors, the institution may decide to investigate and, if appropriate, pursue disciplinary action even though the complainant requested confidentiality or requested that no investigation or disciplinary action be undertaken. If none of these factors is present, the institution will work to respect the complainant's request for confidentiality.

- c. **Actions After Decision to Disclose.** If the institution decides that a complainant's confidentiality cannot be maintained, the institution will inform the complainant in writing or via email prior to starting an investigation and the institution will, to the

extent possible, only share information with people responsible for handling the institution's response.

The institution will inform the respondent that retaliation against the complainant is prohibited and will take ongoing steps to protect the complainant from retaliation or harm and work with the complainant to create a safety plan. Retaliation against the complainant, whether by the respondent, or employees, students or others, will not be tolerated. The institution will also:

1. assist the complainant in accessing other available advocacy, academic support, counseling, disability, health or mental health services, and legal assistance both on and off institution property;
2. provide other security and support, which could include issuing a no-contact order, helping arrange a change of living or working arrangements or course schedules (including for the respondent pending the outcome of an investigation) or adjustments for assignments or tests;
3. inform the complainant of the right to report a crime to the institution and/or local law enforcement and to have a criminal investigation proceed simultaneously; and
4. provide the complainant with assistance if the complainant wishes to report a crime.

The institution will not require a complainant or a respondent to participate in any investigation or disciplinary proceeding.

Because the institution is under a continuing obligation to address the issue of sexual violence institution-wide, reports of sexual violence (including non-identifying reports) will also prompt the institution to consider broader remedial action – such as increased monitoring, supervision or security at locations where the reported sexual violence occurred; increasing education and prevention efforts, including to targeted population groups; conducting climate assessments/complainant surveys; and/or revisiting its policies and practices.

**Issuance of Timely Warning:** If the institution determines that the respondent poses a serious and immediate threat to the institution community, police or security services may be called upon to issue a timely warning to the community. Any such warning will not include any information that identifies the complainant.

If the institution determines that it can follow a complainant's request for confidentiality, the institution will also take immediate action as necessary to protect and assist the complainant.



- d. Reports to Other NSHE Institutions. If a responsible employee receives a complaint about sexual misconduct that has occurred at another NSHE institution, the responsible employee shall report the information to his or her Title IX coordinator, who shall provide the information to the Title IX coordinator at the other NSHE institution.
- e. Public Awareness Events—Not Notice to the Institution. Public awareness events such as “Take Back the Night,” the Clothesline Project, candlelight vigils, protests, “survivor speak outs” or other forums in which complainants disclose incidents of sexual violence, are not considered notice to the institution of sexual violence for purposes of triggering the institution’s obligation to investigate any particular incident(s). Such events may, however, inform the need for institution-wide education and prevention efforts, and the Institution will provide information about complainants’ Title IX rights at these events.
- f. Off-Institution Counselors and Advocates. Off-institution counselors, advocates, and health care providers will also generally maintain confidentiality and will not share information with the institution unless the complainant requests the disclosure and signs a consent or waiver form.

## 7. Retaliation.

Retaliation against an individual who in good faith complains of alleged discrimination or sexual harassment or provides information in an investigation about behavior that may violate this policy is against the law, will not be tolerated, and may be grounds for discipline. Retaliation in violation of this policy may result in discipline up to and including termination and/or expulsion. Any employee or student bringing a discrimination or sexual harassment complaint or assisting in the investigation of such a complaint will not be adversely affected in terms and conditions of employment and/or academic standing, nor discriminated against, terminated, or expelled because of the complaint. Intentionally providing false information is also grounds for discipline.

“Retaliation” may include, but is not limited to, such conduct as:

- the denial of adequate personnel to perform duties;
- frequent replacement of members of the staff;
- frequent and undesirable changes in the location of an office;
- the refusal to assign meaningful work;
- unwarranted disciplinary action;
- unfair work performance evaluations;
- a reduction in pay;
- the denial of a promotion;

- a dismissal;
- a transfer;
- frequent changes in working hours or workdays;
- an unfair grade;
- an unfavorable reference letter.

### a. Employees

1. An employee who believes that he or she has been subjected to retaliation may file a retaliation complaint with his or her immediate supervisor, who will in turn immediately contact the Title IX coordinator or any other responsible employee designated by the institution.
2. If the employee feels uncomfortable about discussing the alleged retaliation with the immediate supervisor, the employee should feel free to bypass the supervisor and file a complaint with the Title IX coordinator, any responsible employee designated by the institution or with any other supervisor.
3. After receiving any employee’s complaint of an incident of alleged retaliation, the supervisor will immediately contact the Title IX coordinator or a responsible employee designated by the institution to forward the complaint, to discuss it and/or to report the action taken. The supervisor has a responsibility to act even if the individuals involved do not report to that supervisor.

### b. Students

1. A student who believes that he or she has been subjected to retaliation may file a retaliation complaint with his or her major department chair or director of an administrative unit, who will in turn immediately contact the Title IX coordinator or any responsible employee designated by the institution.
2. If the student feels uncomfortable about discussing the alleged retaliation with the department chair or director of an administrative unit, the student should feel free to bypass the person and file a complaint with the Title IX coordinator, a responsible employee designated by the institution, or to any chair, dean, or director of an administrative unit who will in turn immediately contact one of the those officials to forward the complaint, to discuss it and/or to report the action taken. The chair, dean or director of an administrative unit has a responsibility to act even if the individuals involved do not report to that person.

- c. Complaints of retaliation under Title IX must be immediately provided to the Title IX coordinator.

## 8. False Reports.

Because discrimination and sexual harassment frequently involve interactions between persons that are not witnessed by others, reports of discrimination or sexual harassment cannot always be substantiated by additional evidence. Lack of corroborating evidence or “proof” should not discourage individuals from reporting discrimination or



sexual harassment under this policy. However, individuals who make reports that are later found to have been intentionally false or made maliciously without regard for truth, may be subject to disciplinary action under the applicable institution and Board of Regents disciplinary procedures. This provision does not apply to reports made in good faith, even if the facts alleged in the report cannot be substantiated by subsequent investigation.

#### 9. Supervisor Responsibilities.

Every supervisor of employees has responsibility to take reasonable steps intended to prevent acts of discrimination or sexual harassment, which include, but are not limited to:

- a. Monitoring the work and school environment for signs that discrimination or harassment may be occurring;
- b. Refraining from participation in, or encouragement of actions that could be perceived as discrimination or harassment (verbal or otherwise);
- c. Stopping any observed acts that may be considered discrimination or harassment, and taking appropriate steps to intervene, whether or not the involved individuals are within his/her line of supervision; and
- d. Taking immediate action to minimize or eliminate the work and/or school contact between the two individuals where there has been a complaint of sexual harassment, pending investigation.

If a supervisor receives a complaint of alleged discrimination or sexual harassment, or observes or becomes aware of conduct that may constitute discrimination or sexual harassment, the supervisor must immediately contact the Title IX coordinator or a responsible employee designated by the institution to forward the complaint, to discuss it and/or to report the action taken.

Failure to take action to prevent the occurrence of or stop known discrimination or harassment may be grounds for disciplinary action.

#### 10. Relationship to Freedom of Expression.

The NSHE is committed to the principles of free inquiry and free expression. Vigorous discussion and debate are fundamental rights and this policy is not intended to stifle teaching methods or freedom of expression. Discrimination or sexual harassment, however, is neither legally protected expression nor the proper exercise of academic freedom; it compromises the integrity of institutions, the tradition of intellectual freedom and the trust placed in the institutions by their members.

The following individual have been designated to handle inquiries regarding non-discrimination policies at CSN and is responsible for coordinating compliance efforts concerning, Executive Order 11246, Title VI and Title VII of the Civil Rights Act of 1964, Title IX Educational Amendments of 1972, Title II of the Americans with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1990: Eric Gilliland, Senior Director – Employee Relations, Institutional

Equity & Title IX Coordinator, CSN Charleston Campus, 6375 West Charleston Blvd.; Bldg. E, Office E-411, Las Vegas, NV 89146, Phone: 702-651-5052, Email: eric.gilliland@csn.edu. For further information on notice of non-discrimination, you may contact the U.S. Department of Education, Office for Civil Rights at 1-800- 421-3481 or visit <http://wdcrobcop01.ed.gov/CFAPPS/OCR/contactus.cfm> for the address and phone number of the office that serves your area.

Additional information regarding CSN's grievance procedures may be found in the Affirmative Action Plan located on the Affirmative Action web page at [www.csn.edu](http://www.csn.edu).





## SAFETY AND SECURITY

The Nevada System of Higher Education puts forth the following Environmental Health and Safety Statement for all institutions in the system in accordance with federal, state, and local laws and regulations.

The NSHE Board of Regents declares that the development, implementation, and compliance monitoring of environmental health and safety programs is integral to the NSHE mission. The programs will be structured in such a way that they will become an essential part of campus life.

It is the intention of the NSHE Board of Regents that all CSN institutions be good neighbors in their communities in regard to environmental health and safety issues. Environmental health and safety programs should be administered at the institutional level. The NSHE Board of Regents delegates the authority for the development, implementation, and compliance monitoring of environmental health and safety programs to the Presidents of each institution. Each institution shall develop environmental health and safety programs that best address the problems specific to that institution.

Each institution shall develop an administrative structure to implement environmental health and safety programs in a manner that educates all employees and students to provide knowledge and understanding of the programs. These programs shall include but are not limited to:

- Biological safety
- Chemical safety
- Diving safety
- Disaster preparedness
- Fire protection
- Industrial hygiene
- Radiation protection
- Sanitation
- Occupational safety and accident prevention
- Environmental protection/hazardous materials management
- Relations with governmental agencies

Each institutional administrative structure shall establish oversight, advisory, and compliance programs for monitoring institutional operations and activities. The NSHE Board of Regents recognizes the right of institutions to enter into cooperative agreements with each other in order to address all environmental health and safety concerns.

## COVERT VIDEO SURVEILLANCE POLICY

The use of covert video surveillance for anything other than a criminal investigation on the campuses of the College of Southern Nevada is prohibited. This policy shall not interfere with the legitimate use of videotaping for academic purposes.

## EMERGENCY PROCEDURES

The Emergency Management and Preparedness Guide outlining “Emergency Procedure Actions” is available online at the CSN website for students, faculty, and staff. Instructors will ensure

students are made aware of these procedures and, in the case of an emergency, take appropriate action to evacuate the classroom and/or building. Students should review this information on the first day of class and understand what actions they may be expected to take during an emergency. Public Safety and floor wardens are trained for specific evacuation actions. Emergency Assembly Points have been established on all upper floor levels. Individuals with disabilities will be provided with information pertaining to this program from the Disability Resource Center. In case of a disaster situation, CSN will fall within the scope of the Clark County Emergency Operations Plan and its own emergency operations plan. Copies of this plan are located here: [www.csn.edu/emergency-preparedness-guide](http://www.csn.edu/emergency-preparedness-guide).

## CSN POLICE DEPARTMENT

The CSN Police Department consists of a Chief of Police, Assistant to the Chief, 2 Police Lieutenants, 1 Police Sergeant, 13 Police Officers, and 65 contract public safety officers. The Chief of Police reports to the Senior Vice President, Strategic Initiatives and Administrative Services. All campus public safety officers are service-oriented security professionals trained to handle security and safety matters on campus.

All members of the public safety department are trained in first aid and cardiopulmonary resuscitation (CPR). All public safety personnel carry a two-way radio, flash light, and are in distinctive uniforms. The enforcement authority of the Department of Public Safety and its College Police Officers, as well as their working relationship with state and local police agencies, may be found in Nevada Revised Statute 396.325. All college police officers are Nevada POST Category 1 certified. They are armed, have arrest powers, and are service-oriented law enforcement professionals trained to handle police and safety matters on campus.

Contract Security Officers are deployed throughout the campus 24 hours a day, 7 days a week in a campus security vehicle and on foot patrol. A public safety vehicle is used primarily for inner perimeter patrol. Police Officers work overlapping shifts on the 8x6 and 1x11 tours. This type of deployment allows for optimum coverage during peak hours and also permits the officers to engage in community relations programs for public safety to better interact with students, faculty, staff, and visitors. Security officers are non-sworn officers and do not have arrest powers above that of a private citizen. The CSN Police Department has an excellent working relationship with external law enforcement authorities.

## THE JEANNE CLERY DISCLOSURE OF CAMPUS SECURITY POLICY AND CAMPUS CRIME STATISTICS ACT

The Federal Student Right-to-Know and Campus Security Act of 1990, recently renamed “The Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act”, (Clery Report) was enacted by congress and signed into Law in November of 1990. In 1992, and most recently in 1998, Congress significantly amended the law, expanding the reporting criteria. It requires institutions of higher learning to prepare, publish, and distribute a report concerning campus crime statistics and security policies on an annual basis through appropriate publications, mailings, or





computer network to all current students and employees, and to all prospective students and prospective employees upon request. This report contains the annual report concerning specific campus crime and arrest statistics as well as information about campus policies and practices intended to promote crime awareness, and campus safety and security.

In order to comply with provisions of this Federal Law, reports from the College and several local law enforcement agencies are compiled and published annually by the CSN Police Department.

As public safety professionals responsible for providing and maintaining a safe and secure environment, we have an obligation to provide an accurate and comprehensive report describing the services we provide to the college community and accurate accounting of any incidents of crime, which occurred on our premises.

Crime Statistics for the three calendar years are also provided as is information regarding the number of arrests made for certain designated criminal offenses during these time periods. It should be noted that the crime statistics included in this report are organized by location that are identified as either owned or leased property belonging to the College of Southern Nevada. The statistics include incidents involving non-student, non-faculty, and non-staff individuals.

Successful public safety is a campus-wide endeavor and requires the cooperation and support of the entire college community. For this reason, we have prepared this information. We hope that it will be informative and useful in maintaining the safety and well being of the College of Southern Nevada community and our guests.

### **The CSN Annual “Clery Notice” Compliance:**

Copies of this report may be obtained in person at any of the CSN Police Department Offices located at our three main campus sites or on-line at the CSN Police Department website located at: [www.csn.edu/csn-police-department](http://www.csn.edu/csn-police-department). The CSN “Clery Notice” is made available to anyone upon request. It is also distributed (directly) via Internet email to all students, faculty, and staff in October each year.

In accordance with the Office of the President, and pursuant to federal law: “Jeanne Clery Disclosure of Campus Security and Policy and Campus Crime Statistics Act of 1998” all currently enrolled students, campus employees and all prospective students and prospective employees are entitled to request and receive a copy of the Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act Annual Security Report.

The report contains crime statistics about certain specified crimes/incidents that have been reported to Campus Public Safety Authorities over the past three years and that have occurred either on-campus, in off-campus buildings or property owned or controlled by the College, or on public property adjacent to the campus.

The report also contains policies and practices pertaining to campus security, crime reporting, alcohol and drugs, victims’ assistance programs, student discipline, campus resources, community safety alerts, crime prevention, access to campus facilities as well as personal safety tips.

The report encourages the reporting of all crime occurrences. The report tells how and to whom to report crimes, especially sexual assault crimes.

The CSN Clery Notice is printed and distributed via email, on several college department web pages posting, publication in various campus periodicals, to ensure campus-wide dissemination and to meet federal law mandates.

### **The CSN Police Department: Offices**

The CSN Police Department has offices located at each of the three main campuses and individual officers are assigned at all of the Urban and Rural Learning Centers. The Department takes proactive measures to create and maintain a safe environment for all members of the college community and our guests. While our contract security officers are trained to be alert for anything that might breach campus safety and security, it is important that any irregularity noticed by you be reported immediately.

### **The CSN Department of Public Safety: 24-Hour Patrol Coverage**

Public safety personnel staff the office, 24 hours a day, 365 days a year, including holidays. While on patrol, the officers are instructed to be alert for anything that might breach campus safety and security on the campus. It is important that any irregularity noticed by you be reported immediately.

NON-Emergency:..... 702-651-5613

Emergency:..... 702-651-7911

### **Campus Security Policies and Crime Reporting Procedures:**

We encourage all students, faculty, staff and visitors of the college to report actual or suspected criminal behavior or other emergencies that occur on campus to The Department of Public Safety in a timely manner. To report a crime or emergency, call:

Charleston Campus ..... 702-651-5613

Henderson Campus..... 702-651-3113

North Las Vegas Campus ..... 702-651-4055

CSN Police Administrative Office .... 702-651-2677

#### **Learning Centers Main Number:**

City Hall Center ..... 702-651-4480

Green Valley Center..... 702-651-2629

Mesquite Center ..... 702-346-2485

Moapa Valley Center ..... 702-398-7545

Nellis Center..... 702-651-4155

Sahara West Center..... 702-651-4597

Summerlin Center ..... 702-651-4900

Western Center ..... 702-651-4800

You may also call the CSN Public Safety Emergency Telephone Number: 702-651-7911. This number is manned 24 hours a day by a trained contract security officer. You may also use the emergency Red and Yellow call boxes located throughout the campus.

The CSN Police Department is the official “Campus Security Authority” and will accept for investigation a report of a crime from any member of the college community.

In cases of off-campus criminal activity, the complainant is encouraged to report the incident to the proper law enforcement authorities. CSN has always advocated prompt and accurate reporting of all crimes. Every report of a criminal incident received is recorded on a CSN Campus Security Incident Report and



assigned a sequential number for that reporting period. All crimes that are reported are logged in the daily crime log and reports are filed with a unique identification number. This daily log contains the nature of the crime, date, time, general location, and disposition of the complaint. Also, crime information is exchanged between the College's Police Department and local police authorities. In compliance with the Student Right To Know "Clery Act" our crime reporting statistics are published annually and are available at The CSN Police Department, Student Information Center, and on our CSN Police Department website at:

[www.csn.edu/csn-police-department](http://www.csn.edu/csn-police-department).

#### **Illegal Weapons:**

In accordance with NRS 202.265, it is illegal to carry or possess a firearm on any NSHE property unless the owner has written permission from the College President.

#### **Crime Prevention Tips:**

The CSN Police Department believes it is more beneficial to prevent crime than to react after the fact. All members of the college community are encouraged to take responsibility of his/her own security, and when possible assist other with their security needs. A primary vehicle for accomplishing this goal is the department's comprehensive crime prevention strategy. This strategy is based on a multi-layered approach that includes proactive area patrol of the campus and crime prevention education and training.

Crime Prevention/awareness programs begin with new student orientation presentations. Topics of discussion include the Student conduct code, academic dishonesty, sexual harassment, substance abuse, alcohol, and hate violence.

Public Safety personnel are available to provide seminars on a host of topics: workplace violence, sexual awareness and responsibility, crime prevention/personal safety, domestic violence and acquaintance rape. The college makes every effort to advise and update students about public safety procedures and security conditions on campus. Some of the media utilized to notify and inform students are:

1. Electronic mail postings – to ensure maximum dissemination of information about potential risk to the campus special email broadcasts or "blast" are issued to all students, faculty, and staff via campus-wide email system and via the college cell phone text messaging system. Electronic postings of notices can be viewed on the CSN Police website at: [www.csn.edu/csn-police-department](http://www.csn.edu/csn-police-department).
2. Intercampus Communication System (ICS) – CSN maintains a network of 60 flat screen monitors strategically mounted in faculty office areas and student areas of the Charleston, North Las Vegas and Henderson campuses. This digital network is in place to provide a forum for visual content pertinent to the CSN community.
3. Physical posting of bulletins at designated campus facilities. The identity of all victims will be kept confidential within the scope of the law and/or investigation. Notices are removed within 30 days after their original posting dates.

## **CRIME AWARENESS, CAMPUS SECURITY AND CRIME REPORTING**

In compliance with the Campus Security Act of 1990, the following information is a result of reviewing valid incidents at CSN. These categories must be reported and distributed to current students and employees.

Copies of this report may be obtained in person at any of the Public Safety Offices located at our three main campus sites or on-line at the CSN Police Department website under Jeanne Clery Disclosure of Campus Crimes Statistics:

[www.csn.edu/csn-police-department](http://www.csn.edu/csn-police-department).

## **STUDENT RIGHT TO KNOW**

The Student Right to Know and Campus Security Act requires that CSN comply with provisions and updates on the graduation rate and/or persistence rate of all fall first time, first year degree seeking or certificate seeking undergraduate students. This information is listed as follows:



## STUDENT RIGHT TO KNOW DATA

### Student Demographics Fall 2017 First-time, Degree/Certificate Seeking Students

	Full-Time		Part-Time		Total	
	N <sup>o</sup>	Pct	N <sup>o</sup>	Pct	N <sup>o</sup>	Pct
Men	1,149	47%	1,269	46%	2,418	46%
Women	1,318	53%	1,494	54%	2,812	54%
<b>Total</b>	<b>2,467</b>		<b>2,763</b>		<b>5,230</b>	
Nonresident Alien	48	2%	-	0%	48	1%
Hispanic/Latino	985	40%	1,157	42%	2,142	41%
American Indian/ Alaska Native	12	0%	16	1%	28	1%
Asian	187	8%	218	8%	405	8%
Black or African American	232	9%	320	12%	552	11%
Native Hawaiian/Pacific Islander	33	1%	29	1%	62	1%
White	631	26%	640	23%	1,271	24%
Two or more races (non-Hispanic)	174	7%	156	6%	330	6%
Unknown	165	7%	227	8%	392	7%
<b>Total</b>	<b>2,467</b>		<b>2,763</b>		<b>5,230</b>	

Source: IPEDS Fall Enrollment Survey - Part A, 2017-18 Reporting Year

### Pell Grant Recipients

All Fall 2016 Students	33,556	
<b>Total Pell Grant Recipients</b>	<b>10,193</b>	<b>30%</b>

Source: IPEDS Student Financial Aid Survey - Section 1, 2017-18 Reporting Year

### First-Time Student Fall 2016 Cohort Retention Rates

#### Full-time, First-time Degree/Certificate Seeker Cohort

Students in Cohort	2,058
Students in cohort still enrolled or completed as of Fall 2017	1,356
<b>Cohort retention rate</b>	<b>65.9%</b>

#### Part-time, First-time Degree/Certificate Seeker Cohort

Students in Cohort	2,597
Students in cohort still enrolled or completed as of Fall 2017	1,290
<b>Cohort retention rate</b>	<b>49.7%</b>

Source: IPEDS Fall Enrollment Survey - Part A, 2016-17 Reporting Year; CSN Institutional Research



## STUDENT RIGHT TO KNOW DATA

### Graduation and Transfer-out Rates Full-time, first-time degree/certificate seeking students beginning in Fall 2011

	Revised 2011 Cohort	Total Completers within 150% of normal time	Total Transfers- Out	Graduation Rate %	Transfer-out Rate %
<b>Total</b>	<b>1,864</b>	<b>161</b>	<b>383</b>	<b>9%</b>	<b>21%</b>

#### Completers and Transfers by gender

Men	867	64	162	7%	19%
Women	997	97	221	10%	22%

#### Completers and Transfers by race/ethnicity

Nonresident Alien	87	25	13
Hispanic/Latino	507	34	85
American Indian/Alaska Native	13	*	*
Asian	170	11	54
Black or African American	230	9	30
Native Hawaiian/Pacific Islander	30	*	6
White	626	60	158
Two or more races	101	10	22
Race/ethnicity unknown	100	7	11

**Average Graduation Rate for Cohorts 2008 - 2011:**

**8%**

**Average Transfer Rate for Cohorts 2008 - 2011:**

**17%**

\* Counts in categories with 5 or fewer students are not identified to protect student privacy. Source: IPEDS Graduation Rate Survey - 2017-18 Reporting Year



## STUDENT RIGHT TO KNOW DATA

### Students Receiving Athletically Related Student Aid beginning in Fall 2011

	Athletic 2011 Subcohort	Total Completers within 150% of normal time	Total Transfers- Out	Graduation Rate %	Transfer-out Rate %
<b>Men's Baseball</b>					
<b>Total</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0%</b>
<b>Completers and Transfers by race/ethnicity</b>					
Nonresident Alien	*	*	*		
Hispanic/Latino	*	*	*		
American Indian/Alaska Native	*	*	*		
Asian	*	*	*		
Black or African American	*	*	*		
Native Hawaiian/Pacific Islander	*	*	*		
White	*	*	*		
Two or more races	*	*	*		
Race/ethnicity unknown	*	*	*		
<b>Women's Softball</b>					
<b>Total</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>0%</b>	<b>0%</b>
<b>Completers and Transfers by race/ethnicity</b>					
Nonresident Alien	*	*	*		
Hispanic/Latino	*	*	*		
American Indian/Alaska Native	*	*	*		
Asian	*	*	*		
Black or African American	*	*	*		
Native Hawaiian/Pacific Islander	*	*	*		
White	*	*	*		
Two or more races	*	*	*		
Race/ethnicity unknown	*	*	*		

### Average Graduation Rate for Cohorts 2008 - 2011:

Men's Baseball	n/a
Women's Softball	n/a

### Average Transfer Rate for Cohorts 2008 - 2011:

Men's Baseball	n/a
Women's Softball	n/a

\*Counts in categories with 5 or fewer students are not identified to protect student privacy. Source: CSN Institutional Research

### Athletically Related Student Aid 2017-2018

Men's Baseball		Women's Softball	
Fall 2017 recipients:	14	Fall 2017 recipients:	15
Spring 2018 recipients:	14	Spring 2018 recipients:	15
<b>Total amount disbursed:</b>	<b>\$ 51,697.00</b>	<b>Total amount disbursed:</b>	<b>\$ 65,975.25</b>

Source: CSN Institutional Research





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# PHONE LIST

CSN Call Center  
Deaf and Hard of Hearing - Voice/TDD  
Video Phone

702-651-5555  
702-651-4448  
702-475-4676

CHARLESTON CAMPUS	702-651-5000
Admissions Office	702-651-5610
Advising & Coaching Services	702-651-5670
Bookstore	702-651-5606
CSN High School	702-651-5030
Career Services Center / Re-Entry Program	702-651-5089
Cashier / Bursar	702-651-5650
Centers for Academic Success	702-651-5732
Computer Lab	702-651-5931
Counseling & Psychological Services (CAPS)	702-651-5518
Dental Faculty Practice / Clinic Appointments	702-651-5510
Disability Resource Center	702-651-5644
Diversity & Multicultural Affairs	702-651-7607
Early Childhood Education Lab School	702-651-7390
Financial Aid	702-906-0830
Foundation	702-651-7301
Health Programs Advising	702-651-5690
Human Resources	702-651-5800
International Center	702-651-5820
Library	702-651-5723
Nevada State College / CSN Transfer Center	702-992-2160
Online Campus / Courses	702-651-5619
President's Office	702-651-5600
Public Affairs / Media Relations	702-651-7474
Security / After Hours Emergency	702-651-5613
Student Government	702-651-5614
Student Life & Leadership Development	702-651-5904
Testing & Assessment Center	702-651-5733
UNLV / CSN Transfer Office	702-651-7551
Veterans Educational Center	702-651-5060
Writing Center	702-651-7402

## ACADEMIC & LEARNING CENTERS

Green Valley Center	702-651-2659
Mesquite Center	702-651-1067
Moapa Valley Center	702-398-7545
Nellis Center	702-651-4155
Sahara West Center	702-651-4747
Summerlin Center	702-651-4900
Western Center	702-651-4800

NORTH LAS VEGAS CAMPUS	702-651-4000
Admissions Office	702-651-4060
Advising & Coaching Services	702-651-4049
Bookstore	702-651-4645
CSN High School	702-651-4071
Career Services Center	702-651-4700
Cashier / Bursar	702-651-4064
Centers for Academic Success	702-651-4232
Computer Lab	702-651-4592
Counseling & Psychological Services (CAPS)	702-651-4099
Deaf & Hard of Hearing Services	702-651-4448
Disability Resource Center	702-651-4045
Diversity & Multicultural Affairs	702-651-4272
Early Childhood Education Lab School	702-651-4004
Financial Aid	702-906-0830
Financial Services / Purchasing	702-651-4320
Fine Arts Gallery	702-651-4146
Health Programs Advising	702-651-4415
Library	702-651-4014
Nevada State College / CSN Transfer Center	702-992-2160
Nicholas J. Horn Theatre Box Office	702-651-5483
Operations & Maintenance	702-651-4888
Planetarium	702-651-4759
Re-Entry Program	702-651-4681
Russell's Restaurant	702-651-4407
Security / After Hours Emergency	702-651-4055
Student Government	702-651-4942
Student Life & Leadership Development	702-651-4051
Testing & Assessment Center	702-651-4050
TRIO Student Support Services Program	702-651-4441
UNLV / CSN Transfer Office	702-651-4931
Writing Center	702-651-4101

## CSN SCHOOLS

Advanced & Applied Technologies	702-651-4370
Arts & Letters	702-651-5988
Business, Hospitality & Public Services	702-651-4149
Education, Behavioral & Social Sciences	702-651-5775
Health Sciences	702-651-5684
Science & Mathematics	702-651-5040
Division of Apprenticeship Studies	702-651-4127
Division of Workforce & Economic Development	702-651-4747
CSN High School	702-651-4070

HENDERSON CAMPUS	702-651-3000
Admissions Office	702-651-3030
Advising & Coaching Services	702-651-3165
Bookstore	702-651-3055
CSN High School	702-651-3080
Career Services / Re-Entry Program	702-651-3174
Cashier / Bursar	702-651-3022
Centers for Academic Success	702-651-3125
Computer Lab	702-651-3002
Counseling & Psychological Services (CAPS)	702-651-5518
Disability Resource Center	702-651-3795
Financial Aid	702-906-0830
Health Programs Advising	702-651-3704
Library	702-651-3066
Nevada State College / CSN Transfer Center	702-992-2160
Security / After Hours Emergency	702-651-3113
Student Government	702-651-3177
Student Life & Leadership Development	702-651-3709
Testing & Assessment Center	702-651-3128
UNLV / CSN Transfer Office	702-651-3136
Writing Center	702-651-3187

## ACADEMIC DEPARTMENTS

Accounting, Finance and Office Technology	702-651-3100
Applied Technologies	702-651-4910
Apprenticeship Studies	702-651-4127
Biological Sciences	702-651-5973
Business Administration	702-651-5066
Communication	702-651-5051
Community & Personal Enrichment	702-651-4059
Computing Information Technology	702-651-5976
Dental Sciences, Diagnostic Evaluation & Rehabilitation Services	702-651-5686
Education	702-651-4400
English	702-651-5665
Fine Arts	702-651-4110
Health Related Professions	702-651-5757
Hospitality Management	702-651-4020
Human Behavior	702-651-5700
International Languages	702-651-7605
Mathematics	702-651-7472
Media Technologies	702-651-4121
Nursing	702-651-5649
Physical Sciences	702-651-7517
Public Safety & Human Services	702-651-4030
Social Sciences	702-651-5974
Workforce & Economic Development	702-651-4747

### The CSN Call Center 702-651-5555

The CSN Call Center is staffed with customer service representatives available to provide students, faculty, and the community assistance via telephone. Representatives assist students with resetting their MyCSN passwords, students/faculty with navigating MyCSN, and all callers with general CSN questions. The CSN Call Center is also able to assist students with information regarding the status of their financial aid file. We strive to provide world class customer service.

# CAMPUS LOCATIONS

