

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).

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. 46 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, 135B, 265B; 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; International 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. 47 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.
 - 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.



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DEGREE CODE: ACC-AAS

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 Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
ACC 105 Taxation for Individuals	3
ACC 201 Financial Accounting	3
IS 101 Introduction to Information Systems	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
ACC 204 Intermediate Accounting II	3
ACC 205 Cost Accounting	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	16-18

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

¹PSC 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: ACCBOK-CT

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

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
ACC 135B Bookkeeping I	3
BUS 101 Introduction to Business	3
COT 101B Computer Keyboarding I	3
ACC 201 Financial Accounting	3
TOTAL CREDITS	15-17
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	30-32

- NOTE**
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 - 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**
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Air Conditioning Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: AC-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16-18
SECOND SEMESTER	Credits
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
TOTAL CREDITS	16
THIRD SEMESTER	Credits
ALS 101 College Success	3
GEOG 106 World Geography	3
AC 111B Heat Pumps	5
AC 200B or 210B or 220B	5
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15-18
DEGREE PLAN TOTAL CREDITS	63-68



Air Conditioning Technology
CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 44

DEGREE CODE: AC-CT

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

- Perform the basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician in a residential and light commercial environment.
- Read and interpret electrical schematics; troubleshoot and diagnose mechanical and electrical problems using methods and equipment appropriate to this industry.
- Utilize currently accepted EPA rules, techniques, and regulations in the performance of HVAC/R duties; observe proper safety practices when working with high- and low-voltage electricity, and when working with refrigerants under pressure.

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 Communications

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

CORE REQUIREMENTS (35 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
AC 200B	Commercial Refrigeration I	5

ELECTIVES (choose 6 credits)

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 202B	Commercial Refrigeration II	5
AC 210B	Boiler Operation and Maintenance	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
IS 101	Introduction to Information Systems	3

Computation included in AC 102B

Human Relations included AC 103B

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3-5
AC 102B Intro to HVAC Electrical Theory and Application	5
AC 103B Intro to HVAC Mechanical Theory and Application	5
TOTAL CREDITS	13-15
SECOND SEMESTER	Credits
AC 106B Residential Gas Heating	5
AC 110B Intermediate HVAC Electrical Theory and Application	5
TOTAL CREDITS	10
THIRD SEMESTER	Credits
AC 111B Heat Pumps	5
AC 200B Commercial Refrigeration	5
TOTAL CREDITS	10
FOURTH SEMESTER	Credits
AC 115B Troubleshooting	5
Complete Electives (see courses this page)	6
TOTAL CREDITS	11
DEGREE PLAN TOTAL CREDITS	44-46

- NOTE**
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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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	16

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
TOTAL CREDITS	14-19

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
TOTAL CREDITS	15.5

FOURTH SEMESTER

	Credits
ENV 101 Introduction to Environmental Science	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting ¹	5
AC 220B Chiller Operations and Maintenance	5
TOTAL CREDITS	17

DEGREE PLAN TOTAL CREDITS..... **62.5-67.5**

¹This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

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Air Conditioning Technology - Central Plant

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 46.5

DEGREE CODE: ACTCP-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	13

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
TOTAL CREDITS	10-13

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
TOTAL CREDITS	10.5

FOURTH SEMESTER	Credits
AC 115B Troubleshooting ¹	5
AC 201B HVAC Automatic Controls	3
AC 220B Chiller Operations and Maintenance	5
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **46.5-49.5**

¹This course has prerequisites of AC 106B and AC 111B. Contact the department of Applied Technologies for permission to complete this class in this semester.

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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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.***FIRST SEMESTER** **Credits**

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
TOTAL CREDITS	16-18

SECOND SEMESTER **Credits**

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
TOTAL CREDITS	15-18

THIRD SEMESTER **Credits**

AC 119B Professionals in Customer Service	1.5
AC 201B HVAC Automatic Controls	3
AC 212B Equipment Cooling	5
MT 104B Industrial Electricity	4
TOTAL CREDITS	13.5

FOURTH SEMESTER **Credits**

COM 115 Applied Communication	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting ¹	5
AC 220B or 295B	5
TOTAL CREDITS	17

DEGREE PLAN TOTAL CREDITS..... **61.5-66.5**

¹This 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 (CoA)

REQUIRED CREDITS: 44.5

DEGREE CODE: ACTCS-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	13

SECOND SEMESTER	Credits
AC 110B Intermediate HVAC Electrical Theory and Application	5
MT 104B Industrial Electricity	4
IS 100B or IS 101	0-3
TOTAL CREDITS	9-12

THIRD SEMESTER	Credits
COM 115 Applied Communication	3
AC 201B HVAC Automatic Controls	3
AC 212B Equipment Cooling	5
TOTAL CREDITS	11

FOURTH SEMESTER	Credits
AC 115B Troubleshooting ¹	5
AC 119B Professionals in Customer Service	1.5
AC 220B or 295B	5
TOTAL CREDITS	11.5

DEGREE PLAN TOTAL CREDITS..... **44.5-47.5**

¹This 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.
 - 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16-18

SECOND SEMESTER	Credits
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
TOTAL CREDITS	16-19

THIRD SEMESTER	Credits
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
TOTAL CREDITS	13.5

FOURTH SEMESTER	Credits
ENV 101 Introduction to Environmental Science	3
PSC 101 Introduction to American Politics	4
AC 115B Troubleshooting ¹	5
AC 202B Commercial Refrigeration II	5
TOTAL CREDITS	17

DEGREE PLAN TOTAL CREDITS.....**62.5-67.5**¹This 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 (CoA)

REQUIRED CREDITS: 46.5

DEGREE CODE: ACTFSR-CT

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

COMMUNICATIONS (3-5 credits)

Required: COM 115 Applied Communication

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	13

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
TOTAL CREDITS	13-16

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
TOTAL CREDITS	10.5

FOURTH SEMESTER	Credits
AC 115B Troubleshooting ¹	5
AC 202B Commercial Refrigeration II	5
TOTAL CREDITS	10

DEGREE PLAN TOTAL CREDITS.....**46.5-49.5**

¹This 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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: International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 for courses

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

See AA/AB/AS policy p. 46 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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. 46	3
ANTH 101 Introduction to Cultural Anthropology	3
TOTAL CREDITS.....	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Natural Science ¹ (With Lab – see courses previous page)	3-4
Complete Humanities ² (see courses previous page)	3
ANTH 102 or 105 or 106	3
Complete Social Science ³ (see courses this page)	3
TOTAL CREDITS.....	15-16

THIRD SEMESTER	Credits
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete Natural Science (No Lab – see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions ⁴ p. 46	4-6
ANTH 102 or 105 or 106	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS.....	16-18

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 46	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 ³ (see courses previous page)	3
TOTAL CREDITS.....	14

DEGREE PLAN TOTAL CREDITS.....63-65

¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

²Use the course list that follows “COM 101 and one course from the following”

³Select one course from two different disciplines.

⁴PSC 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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:
International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 for courses

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

See AA/AB/AS policy p. 46 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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. 46	3
ANTH 101 Introduction to Cultural Anthropology	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Natural Science ¹ (With Lab – see courses previous page)	3-4
Complete Humanities ² (see courses previous page)	3
ANTH 102 or 105 or 106	3
Complete Social Science ³ (see courses previous page)	3
TOTAL CREDITS	15-16

THIRD SEMESTER	Credits
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete Natural Science (No Lab – see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions ⁴ p. 46	4-6
ANTH 102 or 105 or 106	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	16-18

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 46	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 ³ (see courses previous page)	3
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS.....**63-65**

¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

²Use the course list that follows “COM 101 and one course from the following”

³Select one course from two different disciplines.

⁴PSC 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 - 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS.....**60-64**

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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.
 - 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: MHCSBHSAAAS

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 Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 46 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. 47 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

See AAS policy p. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
PSY 101 General Psychology	3
Complete AAS Natural Science p. 47	3
MHDD 101 Role of the Technician	1
MHDD 109 Introduction to Therapeutic Interventions	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: APMHS-CT

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

Choose from the following (1-3 credits) 1-3

CPD or MHDD

Computation included in MHDD 107, 109, 127

Human Relations included in CPD 201; MHDD 101, 109, 127

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.
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 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: APMHS-CT

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 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
TOTAL CREDITS	15
SECOND SEMESTER	Credits
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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	30



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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

ENG 100 or 101 or 113	Credits	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
TOTAL CREDITS		15-17

SECOND SEMESTER

Complete Human Relations (see courses this page)	Credits	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
TOTAL CREDITS		15

THIRD SEMESTER

COM 101 Oral Communication	Credits	3
Complete Mathematics (see courses this page)		3
TOTAL CREDITS		6

FOURTH SEMESTER

Complete Natural Science (see courses this page)	Credits	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
TOTAL CREDITS		15

FIFTH SEMESTER

Complete Natural Science (see courses this page)	Credits	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
TOTAL CREDITS		16

DEGREE PLAN TOTAL CREDITS..... 67-69

- NOTE**
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 - 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. 46 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, 135B, 265B; 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**
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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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete AAS English Composition p. 46	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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	16-17
THIRD SEMESTER	Credits
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
TOTAL CREDITS	13
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	16
FIFTH SEMESTER	Credits
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
TOTAL CREDITS	12-14
DEGREE PLAN TOTAL CREDITS	72-77



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. 45 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
ENG 223 Themes of Literature	3
BIOL 122 Desert Plants ¹	3-4
ART 216 Sculpture I	3
ART 231 Painting I	3
ART 262 or ART 263	3
TOTAL CREDITS	15-16

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-63**¹This 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics ¹	4
AUTO 117B Advanced Automotive Electronics ²	4
TOTAL CREDITS	16

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
TOTAL CREDITS	16

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 ³	4
TOTAL CREDITS	14

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
TOTAL CREDITS	14-15

DEGREE PLAN TOTAL CREDITS..... **60-61**

¹Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

²Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

³Prerequisite 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
ABDY 101B Collision Repair Fundamentals and Estimating	4
TOTAL CREDITS	12

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	18

FOURTH SEMESTER	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
ABDY 152B Structural II	4
ABDY 220B Paint and Refinish II	4
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	60

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 37

DEGREE CODE: AUTOCOR-CT

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)

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
ABDY 101B Collision Repair Fundamentals and Estimating	4
AUTO 105B Automotive Maintenance	2
TOTAL CREDITS	9
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
TOTAL CREDITS	12
THIRD SEMESTER	Credits
ABDY 150B Structural I	4
ABDY 180B Non-Structural Advanced Body Panel	4
TOTAL CREDITS	4
FOURTH SEMESTER	Credits
ABDY 152B Structural II	4
ABDY 220B Paint and Refinish II	4
TOTAL CREDITS	8
DEGREE PLAN TOTAL CREDITS	37

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: AUTODIAGCT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics I ¹	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2
TOTAL CREDITS	11

SECOND SEMESTER	Credits
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
TOTAL CREDITS	9

THIRD SEMESTER	Credits
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emissions Control ²	4
AUTO 235B Engine Performance III/Diagnostics	4
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS.....**32**

¹Prerequisite AUTO 105B. Contact the department of Applied Technologies for permission to complete this class in this semester.

²Prerequisite 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.
 - 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: AUTOHVYLCT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics ¹	4
AUTO 117B Advanced Automotive Electronics ²	4
TOTAL CREDITS	13
SECOND SEMESTER	Credits
AUTO 136B Engine Repair	5
AUTO 205B Manual Drivetrain/Axles	4
AUTO 216B Automatic Transmissions	5
TOTAL CREDITS	14
THIRD SEMESTER	Credits
AUTO 245B Power Train Removal/ Replacement	4
TOTAL CREDITS	4
DEGREE PLAN TOTAL CREDITS	31

¹Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete these courses in the same semester.

²Prerequisite 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics ¹	4
AUTO 117B Advanced Automotive Electronics ²	4
TOTAL CREDITS	16
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
TOTAL CREDITS	16
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
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
AST 101 General Astronomy	3
AUTO 225B Engine Performance I/ Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control ³	4
AUTO 235B Engine Performance III/Diagnostics	4
TOTAL CREDITS	15
FIFTH SEMESTER	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
AUTO 245B Powertrain Removal and Replacement	4
TOTAL CREDITS	11
DEGREE PLAN TOTAL CREDITS	74

¹Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

²Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

³Prerequisite 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics ¹	4
AUTO 117B Advanced Automotive Electronics ²	4
TOTAL CREDITS	16

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
TOTAL CREDITS	17

THIRD SEMESTER

	Credits
COM 115 Applied Communication	3
AUTO 225B Engine Performance I/Fuel and Ignition	4
AUTO 227B Engine Performance II/Emission Control ³	3
AUTO 235B Engine Performance III/Diagnostics	4
TOTAL CREDITS	15

FOURTH SEMESTER

	Credits
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
Complete Electives (see courses this page)	5
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS.....60

¹Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

²Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

³Prerequisite 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 104B Applied Mathematics	3
ALS 101 College Success	3
AUTO 105B Automotive Maintenance	2
AUTO 115B Automotive Electricity and Electronics ¹	4
AUTO 117B Advanced Automotive Electronics ²	4
TOTAL CREDITS	16

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
TOTAL CREDITS	16

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
TOTAL CREDITS	16

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
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS.....**62**

¹Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

²Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

- NOTE**
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 - 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 (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: AUTOMAINT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
AUTO 105B Automotive Maintenance I	2
AUTO 115B Automotive Electricity and Electronics 1 ¹	4
AUTO 240B Nevada 1G Emission Inspection Preparation	2
TOTAL CREDITS	11
SECOND SEMESTER	Credits
AUTO 117B Advanced Automotive Electronics	4
AUTO 136B Engine Repair	5
AUTO 165B Automotive Heating and Air Conditioning	4
TOTAL CREDITS	13
THIRD SEMESTER	Credits
AUTO 145B Automotive Brakes	4
AUTO 155B Steering and Suspension	4
TOTAL CREDITS	8
DEGREE PLAN TOTAL CREDITS	32

¹Prerequisite AUTO 105. Contact the department of Applied Technologies for permission to complete this class in this semester.

- NOTE**
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 - 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3-5
ACC 201 Financial Accounting	3
AV 100B Aviation Orientation	3
AV 105B Airport Operations	3
TOTAL CREDITS	15-17

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
TOTAL CREDITS	16

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
TOTAL CREDITS	14

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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-62**

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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 - 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3-5
AV 100B Aviation Orientation	3
AV 110B Private Pilot Ground School	4
AV 111B Private Pilot Certification Lab	3
TOTAL CREDITS	16-18
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
TOTAL CREDITS	16
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
TOTAL CREDITS	14
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	62-64

- NOTE**
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Aviation Technology
CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: AV-CT

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 entrylevel 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
AV 100 Aviation Orientation	3
AV 110 Private Pilot Ground School	4
MATH 116 Technical Mathematics	3
TOTAL CREDITS.....	10

SECOND SEMESTER	Credits
AV 111 Private Pilot Certification Lab	3
AV 112 Human Factors and Safety	3
COM 101 Oral Communications	3
TOTAL CREDITS.....	9

THIRD SEMESTER	Credits
AV 115 Aviation Meteorology	3
AV 220 Air Transportation	3
TOTAL CREDITS.....	6

FOURTH SEMESTER	Credits
AV 214 Aerodynamics	3
AV 240 Advanced Aircraft Systems	3
TOTAL CREDITS.....	6

DEGREE PLAN TOTAL CREDITS.....31

- 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.
 - 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. 45 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; International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; PSY 270

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
ENG 100 or 101 or 113	3-5
Complete AA/AB/AS Fine Arts p.46	3
COM 101 Oral Communication	3
Complete Social Sciences (see courses this page)	3
CHEM 121 General Chemistry I	4
TOTAL CREDITS	16-18

SECOND SEMESTER	Credits
ENG 102 or 114	3
MATH 181 Calculus I	4
CHEM 122 General Chemistry II	4
BIOL 196 Principles of Modern Biology I	4
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
PHYS 152 General Physics II	4
Complete Humanities ¹ (see courses this page)	3
Complete Social Sciences (see courses this page)	3
BIOL 211 or BIOL 251H ²	4
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **60-62**

¹Under the "Humanities" heading select from the choices that follow the sentence fragment "COM 101 and..."

²BIOL 251H is highly recommended for students transferring to a university.

- NOTE**
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 - 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. 45 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; International Languages 111 or above; PHIL

FINE ARTS (3 credits)
 See AA/AB/AS policy p. 46 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 13
 (Thirteen credits from the following, one must include a lab): AST; BIOL;
 CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS

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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics ¹ (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 ² (see courses previous page)	3
TOTAL CREDITS	15-18

SECOND SEMESTER	Credits
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 ^{2, 3}	7
TOTAL CREDITS	17

THIRD SEMESTER	Credits
Complete AA/AB/AS Fine Arts p. 46	3
Complete Social Science (see courses previous page)	3
Complete Humanities ⁴ (see courses previous page)	3
Complete Natural Science Credits ² (see courses previous page)	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
ENG 231 or 232	3
Complete Electives (see courses this page)	10
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹Those completing this degree for Science take MATH 181. Those completing this degree for Health Sciences take MATH 102 or 124 or above.

²Take a non-lab natural science class.

³Take a natural science class with a lab.

⁴Under 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

Required: PHIL 102 Critical Thinking and Reasoning

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 for courses

HUMANITIES (3 credits)

Required: COM 101 Oral Communication

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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

TOTAL CREDITS 15-17

SECOND SEMESTER Credits

ENG 102 or ENG 114	3
Complete US/Nevada Constitutions ¹ (see courses this page)	4-6
BUS 101 Introduction to Business ²	3
ECON 102 Principles of Microeconomics	3
MATH 132 Finite Mathematics	3

TOTAL CREDITS 16-18

THIRD SEMESTER Credits

Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Natural Science (no lab - p. 46)	3
ACC 201 Financial Accounting	3
COM 102 Introduction to Interpersonal Communication	3
ECON 103 Principles of Macroeconomics	3

TOTAL CREDITS 15

FOURTH SEMESTER Credits

Complete AA/AB/AS Natural Science ³ (with lab - p. 46)	3-4
Complete AA/AB/AS Fine Arts p.46	3
ACC 202 Managerial Accounting	3
ECON 261 Principles of Statistics I	3
MGT 201 Principles of Management	3

TOTAL CREDITS 15-16

DEGREE PLAN TOTAL CREDITS..... 61-66

¹PSC 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.

²Also fulfills the General Education Values and Diversity Requirement.

³Choose 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.
 - 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).

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. 46 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. 47 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; International Languages; MUS 101 or above; THTR 100 or above (except 105)

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AAS Natural Science p.47	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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15

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

¹PSC 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: BUSMGT-CT

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

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
BUS 101 Introduction to Business	3
BUS 108 Business Letters and Reports	3
IS 101 Introduction to Information Systems	3
TOTAL CREDITS	12-14

SECOND SEMESTER	Credits
ACC 201 Financial Accounting	3
BUS 273 Business Law I	3
MGT 201 Principles of Management	3
TOTAL CREDITS	9

THIRD SEMESTER	Credits
MGT 103 Introduction to Small Business Management	3
MGT 283 Introduction to Human Resources Management	3
MKT 210 Marketing Principles	3
TOTAL CREDITS	9

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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CADD-CT

DESCRIPTION

This program provides students with the skills to plan, prepare and interpret drafting documents. Students will develop these skills through computer-aided design and drafting workstations. 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.
- Produce Two- and Three-Dimensional construction documents using the drafting tools within the CAD software that will apply to their discipline.
- Utilize office standards, techniques, and procedures in the workplace.
- 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
Choose one from the following (0-3 credits)		
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3-5
CADD 100 Introduction to Computer Aided Drafting	3
MATH 104B or above (except MATH 115B, 122, 123)	3
IS 100B or IS 101	0-3
TOTAL CREDITS	9-14
SECOND SEMESTER	Credits
CADD 105 Intermediate Computer Aided Drafting	3
CADD 140 Technical Drafting I ¹	3
CADD 245 Solid Modeling and Parametric Design ¹	3
CADD 250 CAD Systems Management ¹	3
TOTAL CREDITS	12
THIRD SEMESTER	Credits
CADD 141B Technical Drafting II ²	3
CADD 246B Solid Modeling and Parametric Design II ²	3
CADD 299B CADD Capstone ²	3
TOTAL CREDITS	9
DEGREE PLAN TOTAL CREDITS	30-35

¹This course is offered in the Spring only.

²This 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.
 - 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.
 - 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

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

	Credits
FIRST SEMESTER	
BIOL 189 Fundamentals of Life Science ¹	4
COM 101 Oral Communication	3
ENG 101 Composition I	3
HIT 117B Medical Terminology I	1
TOTAL CREDITS	11
SECOND SEMESTER	
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
TOTAL CREDITS	15
THIRD SEMESTER	
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
TOTAL CREDITS	14
FOURTH SEMESTER	
CRS 111 Introductory Concepts of Cardiorespiratory Science	3
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115 Clinical Practicum I	4
TOTAL CREDITS	8
FIFTH SEMESTER	
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
TOTAL CREDITS	14
SIXTH SEMESTER	
CRS 135 Clinical Practicum III	3
TOTAL CREDITS	3
SEVENTH SEMESTER	
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
TOTAL CREDITS	12
EIGHTH SEMESTER	
CRS 221 Continuity of Cardiorespiratory Care	3
CRS 222 Seminar for Success	1
CRS 225 Clinical Practicum V	4
TOTAL CREDITS	8

BAS CRS Core Course Classes

	Credits
FIRST SEMESTER	
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
TOTAL CREDITS	19
SECOND SEMESTER	
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
TOTAL CREDITS	17
DEGREE PLAN TOTAL CREDITS	
	121

¹ 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.

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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

PLEASE NOTE – All CRS courses can only be taken once accepted to the CRS program and then must be taken in the order indicated.

FIRST SEMESTER	Credits
BIOL 189 Fundamentals of Life Science ¹	(4)
ENG 101 Composition I	3
COM 101 Oral Communication	3
HIT 117B Medical Terminology I	1
TOTAL CREDITS	7(11)

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	14

FOURTH SEMESTER	Credits
CRS 111 Introductory Concepts of Cardiorespiratory Sciences	3
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1
CRS 115 Clinical Practicum I	4
TOTAL CREDITS	8

FIFTH SEMESTER	Credits
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
TOTAL CREDITS	14

SIXTH SEMESTER	Credits
CRS 135 Clinical Practicum III	3
TOTAL CREDITS	3

SEVENTH SEMESTER	Credits
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
TOTAL CREDITS	12

EIGHTH SEMESTER	Credits
CRS 221 Continuity of Cardiorespiratory Care	3
CRS 222 Seminar for Success	1
CRS 225 Clinical Practicum V	4
TOTAL CREDITS	8

DEGREE PLAN TOTAL CREDITS..... **81(85)**

¹BIOL 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 or 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. 46 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;
International 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p.46	3-5
Complete Human Relations (see courses previous page)	3
GAM 108 Slots Management I	3
GAM 225 Introduction to Gaming Management	3
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p.47	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
TOTAL CREDITS	16-18
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	62-66

¹PSC 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 (CoA)

REQUIRED CREDITS: 33

DEGREE CODE: GAMMGT-CT

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

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
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
TOTAL CREDITS	18-20
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
TOTAL CREDITS	15
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.
 - 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. 45 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
ENG 102 or 114	3
See AA/AB/AS Natural Science (no lab) p. 46	3
Complete Social Science (see courses this page)	3
PSC 101 Introduction to American Politics	4
PHIL 102 Reasoning and Critical Thinking	3
TOTAL CREDITS	16
THIRD SEMESTER	Credits
COM 102 Introduction to Interpersonal Communication	3
COM 133 Culture and Communication	3
Complete Electives (see courses this page)	9
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
ENG 223 Themes of Literature	3
See AA/AB/AS Natural Science ¹ (with lab) p. 46	3-4
COM 216 Survey of Communication Studies	3
Complete Electives (see courses this page)	5-6
TOTAL CREDITS	14-16
DEGREE PLAN TOTAL CREDITS	60-64

¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

- NOTE**
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 - 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. 46 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; International 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. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
Complete Communications (see courses previous page)	3
COT 102 Computer Keyboarding II	3
COT 127B Microsoft Office for Offices	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
See AAS US/NV Constitutions ¹ p. 47	4-6
COT 213B Business Professionalism	1
Complete Electives (see courses previous page)	7
TOTAL CREDITS	15-17

DEGREE PLAN TOTAL CREDITS..... **60-64**

¹PSC 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: COT-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ACC 135B Bookkeeping I	3
BUS 106B Business English ¹	3
COT 201B Word Processing II	3
MGT 201 Principles of Management	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **30-32**

¹ENG 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.
 - 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: CITCSDFAAS

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, 135B, 265B; 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; International 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12-15
SECOND SEMESTER	Credits
EGG 131 and EGG 131L	4
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
Complete US/Nevada Constitutions ¹ (see courses previous page)	4-6
CIT 110 A+ Hardware	3
CIT 112B Network+	3
TOTAL CREDITS	17-19
THIRD SEMESTER	Credits
CF 117B Computer Forensics	3
CF 118B Internet Forensics	3
CIT 211 MCITP/MCTS Windows Workstations OS	3
Complete Electives ² (see courses previous page)	6
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
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 ² (see courses previous page)	4
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	60-65

¹PSC 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.

²Option #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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CITCSDF-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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 ¹	4
IS 100B or IS 101	0-3
TOTAL CREDITS	16-19

SECOND SEMESTER	Credits
CF 118B Internet Forensics ¹	3
CF 124B Digital Crime Investigation	3
CF 217B Advanced Computer Forensics	3
CIT 212 MCITP/MCTS Windows Server OS	3
Complete Electives ² (see courses this page)	2
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS.....30-33

¹Prerequisite CIT 112B.

²Option #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.
 - 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, 135B, 265B; 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; International 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12-15

SECOND SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
EGG 131 Technical Physics I	3
Complete US/Nevada Constitutions ¹ (see courses previous page)	4-6
CIT 112B Network+	3
CIT 174 Linux System Administration	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
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 ²	4
TOTAL CREDITS	17

FOURTH SEMESTER	Credits
CIT 263B Project Management	3
CSCO 220 CCNA Scaling Networks	4
CSCO 221 CCNA Wan Fundamentals ³	4
CSCO 230B Fundamentals of Network Security	4
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹PSC 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.

²Prerequisite CSCO 120. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.

³Prerequisite 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CITIMNACT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	17-19
SECOND SEMESTER	Credits
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
TOTAL CREDITS	13
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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CITMSA-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
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
TOTAL CREDITS	17-19

SECOND SEMESTER

	Credits
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
TOTAL CREDITS	13

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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CITIMVCACT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	13-15
SECOND SEMESTER	Credits
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
TOTAL CREDITS	17
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.
 - 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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16-19
SECOND SEMESTER	Credits
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
TOTAL CREDITS	17
THIRD SEMESTER	Credits
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
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
Complete AAS Fine Arts/Humanities/Social Science p. 47	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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	63-66

¹PSC 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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16-19

SECOND SEMESTER	Credits
Egg 131 and 131L	4
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 173 Introduction to Linux	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
TOTAL CREDITS	17

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete AAS Fine Arts/Humanities/Social Science p. 47	3
CIT 176 Linux Shell Programming	3
CIT 217 Security+	3
CIT 263B Project Management	3
CIT 274B Ethical Hacking	3
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **63-66**

¹PSC 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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16-19

SECOND SEMESTER	Credits
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 173 Introduction to Linux	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
TOTAL CREDITS	17-19

THIRD SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
Complete AAS Fine Arts/Humanities/Social Science p. 47	3
CIT 211 MCITP/MCTS Windows Workstation OS	3
CSCO 120 CCNA Internetworking Fundamentals	4
CSCO 121 CCNA Routing and Switching Essentials ²	4
TOTAL CREDITS	17

FOURTH SEMESTER	Credits
CIT 217 Security+	3
CIT 263B Project Management	3
CSCO 220 CCNA Scaling Networks	4
CSCO 221 CCNA WAN Fundamentals ³	4
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **64-69**

¹PSC 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.

²Prerequisite CSCO 120. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.

³Prerequisite 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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-20

SECOND SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
CIT 160 Introduction to Computer Security	3
CIT 180 Database Concepts and SQL ²	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
EGG 131 and 131L	4
Complete AAS Fine Arts/Humanities/Social Sciences p. 47	3
CIT 151 Beginning Web Development	3
CIT 181 Introduction to Oracle	3
Complete Electives ³ (see courses previous page)	4-6
TOTAL CREDITS	17-19

FOURTH SEMESTER	Credits
CIT 183 Database Administration ²	3
CIT 184 Oracle PL/SQL Programming I	3
CIT 203B Access Certification Preparation	3
CIT 263B Project Management	3
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS..... **60-69**

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

¹PSC 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.²CIT 180 and CIT 183 may be repeated with different content; these may be used as program electives.³Preferred 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: CITSPR-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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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: CITSPR-AAS

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 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
TOTAL CREDITS	15-20

SECOND SEMESTER	Credits
EGG 131 and 131L	4
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
Complete Electives #2	3
(CIT 100 level programming language except CIT 130) ²	
TOTAL CREDITS	17-19

THIRD SEMESTER	Credits
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 ²)	3
Complete Electives #2 (CIT 200 level programming language ²)	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete AAS Fine Arts/Humanities/Social Sciences p. 47	3
CIT 263B Project Management	3
Complete Electives #1 ³	4-6
Complete Electives #2 (CIT 200 level programming language ²)	3
TOTAL CREDITS	13-15

DEGREE PLAN TOTAL CREDITS..... **60-69**

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

¹PSC 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.²At least 6 credits must be 200 level.³Preferred 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, 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-20
SECOND SEMESTER	Credits
Egg 131 and 131L	4
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
CIT 112B Network +	3
CIT 130 Beginning Java	3
CIT 151 Beginning Web Development	3
TOTAL CREDITS	17-19
THIRD SEMESTER	Credits
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
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
Complete AAS Fine Arts/Humanities/Social Sciences p. 47	3
CIT 252 Web Database Development	3
CIT 263B Project Management	3
Complete Electives ² (see courses previous page)	3
TOTAL CREDITS	12
DEGREE PLAN TOTAL CREDITS	60-69

Please Note: Summer sessions can be used to lower semester loads – see your counselor.

¹PSC 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.

²Preferred 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.
- Distinguish green alternatives to conventional building practices, and describe the pros and cons of those alternatives.
- Characterize sustainable construction retrofitting for energy efficiency of existing buildings.

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. 46 for courses

COMMUNICATIONS (3 credits)

Required: COM 115 Applied Communication

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)

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 (34 credits)

CONS 120B	Construction Plans and Specifications	3
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
SCT 101B	Fundamentals of Sustainable Construction	3
SCT 105B	Sustainable Construction Materials and Methods	3
SCT 201B	Sustainable Construction of New Buildings	3
SCT 202B	Sustainable Construction of Existing Buildings	3

Choose one from the following (3 credits)

ADT 201B	Introduction to Building Information Modeling	3
CADD 100	Introduction to Computer Aided Drafting	3

Choose one from the following (4 credits)

CONS 111B	Commercial Building Codes (IBC)	4
CONS 113B	Residential Building Codes (IRC)	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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
CONS 120B Construction Plans and Specifications	3
SCT 101B Fundamentals of Sustainable Construction	3
CONS 11B or CONS 113B	4
TOTAL CREDITS	16-18
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ALS 101 or MGT 283	3
CONS 282B Construction Law	3
CONS 288B Quality Control of Construction Waste	3
SCT 105B Sustainable Construction Materials and Methods	3
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
CONS 285B Construction Estimating and Scheduling	4
CONS 286B Construction Management and Analysis	3
SCT 201B Sustainable Construction of New Buildings	3
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
PSC 101 Introduction to American Politics	4
ADT 201B or CADD 100	3
CONS 299B Construction Capstone Course	3
SCT 202B Sustainable Construction of Existing Buildings	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16
DEGREE PLAN TOTAL CREDITS	60-65



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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 for courses

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 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. 46 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 46 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (15 credits)

International 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete AA/AB/AS Natural Science (No Lab) p. 46	3
Complete Social Science (see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions ¹ p. 46	4-6
ENG 205 Introduction to Creative Writing: Fiction and Poetry	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Natural Science ² (With Lab) p. 46	3-4
International Languages 111 or above ³	4
ENG 220 or ENG 221	3
TOTAL CREDITS	16-17

FOURTH SEMESTER	Credits
International Languages 111 or above ³	4
ENG 296 Portfolio Assessment	1
ENG 220 or ENG 221	3
Complete Electives (see courses previous page)	6
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **61-66**

¹PSC 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.

²Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

³When completing the International 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)**

Recommended: MATH 120 Fundamentals of College Mathematics

ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 45 for courses

LITERATURE (3 credits)

Required: ENG 223 Themes of Literature

ANALYTICAL REASONING (3 credits)

Required: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)

Recommended: BIOL 101 and ENV course

HUMANITIES (6 credits)

Required: COM 101 Oral Communications; Recommended: any HIST course

FINE ARTS (3 credits)

Recommended: any MUS course

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. 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 120 Fundamentals of College Mathematics	3
Complete AA English Composition p.46	3-5
COM 101 Oral Communication	3
Choose any MUS course	3
CRJ 104 Introduction to Administration of Justice	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AA English Composition p.46	3
PHIL 102 Reasoning and Critical Thinking	3
Choose any HIST course	3
CRJ 107 Introduction to Ethics in Criminal Justice	3
CRJ 120 Community Relations ¹	3
TOTAL CREDITS	15

THIRD SEMESTER	Credits
ENG 223 Themes of Literature	3
Choose any 3 credit ENV course	3
CRJ 130 Survey of Criminal Law	3
CRJ 225 Criminal Evidence	3
CRJ 270 Introduction to Criminology	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
BIOL 101 Biology for Non-Majors	3-4
PSC 101 Introduction to American Politics	4
CRJ 288 Second Year Capstone in Criminal Justice	3
Complete Electives ² (see courses previous page)	6
TOTAL CREDITS	16-19

DEGREE PLAN TOTAL CREDITS..... **61-64**¹This course also fulfills the General Education Values and Diversity requirement.²Any 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)

Recommended: MATH 104B Applied Mathematics

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)

Recommended: any 3 credit BIOL course

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; International Languages 101B or above; MUS 101 or above

U.S. AND NEVADA CONSTITUTIONS (4 credits)

Recommended: PSC 101 Introduction to American Politics

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Math 104B Applied Mathematics	3
Complete AAS English Composition p.46	3-5
COM 101 Oral Communication	3
Complete AAS Communications p.45	3
CRJ 104 Introduction to Administration of Justice	3
TOTAL CREDITS	15-17
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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Choose any 3 credit BIOL course	3
CRJ 130 Survey of Criminal Law	3
CRJ 120 Community Relations	3
Complete Electives (see courses this page)	6
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
PSC 101 Introduction to American Politics	4
CRJ 225 Criminal Evidence	3
CRJ 288 Second Year Capstone in Criminal Justice	3
Complete Electives (see courses this page)	6
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	61-63

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: CRJ-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 101 Oral Communication	3
CRJ 104 Introduction to Administration of Justice	3
TOTAL CREDITS	6
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
TOTAL CREDITS	12
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
TOTAL CREDITS	12
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.
 - 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

DEGREE CODE: CRJLET-AAS

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)

Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)

Required: COM 101 Oral Communication

HUMAN RELATIONS (3 credits)

Recommended: PSY 101 General Psychology

NATURAL SCIENCE (3 credits)

Recommended: Any 3 credit BIOL course

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

Recommended: PHIL 102 Reasoning and Critical Thinking

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

Recommended: PSC 101 Introduction to American Politics

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	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
TOTAL CREDITS	39

SECOND SEMESTER

	Credits
MATH 104B Applied Mathematics	3
Complete AAS English Composition p.46	3-5
PSY 101 General Psychology	3
Choose any 3 credit BIOL course	3
TOTAL CREDITS	12-14

THIRD SEMESTER

	Credits
COM 101 Oral Communication	3
PHIL 102 Reasoning and Critical Thinking	3
PSC 101 Introduction to American Politics ¹	4
TOTAL CREDITS	10

DEGREE PLAN TOTAL CREDITS..... 61-63

¹If you choose the HIST option, complete HIST 101 in the second semester, move Literature to the fourth 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.
 - 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 (CoA)

REQUIRED CREDITS: 33

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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.
 - 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 or 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.

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)

See AAS policy p. 46 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; 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; International 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p.46	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
TOTAL CREDITS	17-20
SECOND SEMESTER	Credits
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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
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.47	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
TOTAL CREDITS	18-20
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	17
DEGREE PLAN TOTAL CREDITS	67-71



Culinary Arts

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: CUL-CT

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 (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 (28 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 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
HMD 101	Introduction to the Hospitality Industry	3

Computation included in FAB 160

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
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
HMD 101 Introduction to the Hospitality Industry	3
TOTAL CREDITS	12-14
SECOND SEMESTER	Credits
CUL 130 Garde Manger	3
CUL 200 Aromatics/Restaurant Experience	4
FAB 160 Hospitality Purchasing	3
FAB 167 Food Service Nutrition	2
TOTAL CREDITS	12
THIRD SEMESTER	Credits
CUL 250 Saucier	3
CUL 295 Work Experience in Culinary Arts	1
FAB 112 Restaurant Management I	3
TOTAL CREDITS	7
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.
 - 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 or 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.

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. 46 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; International 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. 47 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.
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Pastry Arts

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 67

DEGREE CODE: CULPAS-AAS

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 Mathematics (see courses previous page)	3
Complete AAS English Composition p.46	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
TOTAL CREDITS	17-19

SECOND SEMESTER	Credits
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
TOTAL CREDITS	18

THIRD SEMESTER	Credits
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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete AAS US/NV Constitutions p.47	4-6
CUL 215 Plated Desserts	3
CUL 225 Advanced Baking	3
CUL 265 Introduction to Sugar Arts	3
TOTAL CREDITS	16-18

DEGREE PLAN TOTAL CREDITS..... **67-71**



Pastry Arts

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 33

DEGREE CODE: CULPAS-CT

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 (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)

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 160	Hospitality Purchasing	3
FAB 167	Food Service Nutrition	2
HMD 101	Introduction to the Hospitality Industry	3

Computation included in FAB 160
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
CUL 110 Basic Cookery	4
FAB 102 Food Service Sanitation II	2
FAB 160 Hospitality Purchasing	3
HMD 101 Introduction to the Hospitality Industry	3
TOTAL CREDITS.....	12
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
TOTAL CREDITS.....	11-13
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
TOTAL CREDITS.....	10
DEGREE PLAN TOTAL CREDITS.....	33-35

- NOTE**
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Dance

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: DAN-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
BUS 108 Business Letters and Reports	3
DAN 101 Dance Appreciation	3
DAN 188 Dance Improvisation	2
DAN 284 Dance Project ¹	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
TOTAL CREDITS	16

SECOND SEMESTER	Credits
COM 101 Oral Communication	3
DAN 284 Dance Project ¹	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
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS.....**30**

¹Complete 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.

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 - 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.
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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. 46 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, 135B, 265B; 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 101 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; or International 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 153	Deaf Culture	3
AM 154	Deaf History	3
AM 155	Structure of American Sign Language	3
AM 156	A Survey of Deafness	1
AM 157	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.
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 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
AM 145 American Sign Language	4
AM 151 Fingerspelling I ¹	1
AM 156 A Survey of Deafness	1
TOTAL CREDITS	12-14
SECOND SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
Complete Natural Science (see courses previous page)	6
AM 146 American Sign Language II	4
AM 152 Fingerspelling II	1
TOTAL CREDITS	14
THIRD SEMESTER	Credits
Complete US/Nevada Constitutions ² (see courses previous page)	4-6
AM 147 American Sign Language III	4
AM 153 Deaf Culture ³	3
AM 155 Structure of American Sign Language ⁴	3
TOTAL CREDITS	14-16
FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
AM 148 American Sign Language IV	4
AM 154 Deaf History	3
AM 157 ASL/English Translation	3
TOTAL CREDITS	13
FIFTH SEMESTER	Credits
Complete Communications (see courses previous page)	3-5
AM 149 American Sign Language	4
TOTAL CREDITS	7-9
DEGREE PLAN TOTAL CREDITS	60-66

¹Corequisite AM 147 or Instructor approval. Contact the Department of International Languages for permission to complete this class in this semester.

²PSC 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.

³Prerequisite AM 147. Contact the Department of International Languages for permission to complete this class in the same semester as the prerequisite course.

⁴Prerequisite AM 147 or Instructor approval. Contact the Department of International 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. 46 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, 135B, 265B; 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; International 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. 47 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 210	Specialized Interpreting	3
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

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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.***PLEASE NOTE: Students MUST complete the AAS Deaf Studies before beginning work on this AAS.**

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
AM 156 A Survey of Deafness	1
AM 205 Introduction to Interpreting	4
AM 253 Deaf Culture	3
AM 255 Structure of American Sign Language ¹	3
TOTAL CREDITS	17-19
SECOND SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
AM 206 Consecutive Interpreting	4
AM 254 Deaf History ¹	3
AM 257 ASL/English Translation	3
TOTAL CREDITS	13
THIRD SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete AAS US/Nevada Constitutions ²	4-6
AM 207 Simultaneous Interpreting	4
AM 208 Observation/Practicum in Interpreting ³	3
TOTAL CREDITS	14
FOURTH SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
AM 209 Advanced Interpreting	4
AM 210 Specialized Interpreting	3
AM 211 Internship in Interpreting ⁴	3
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	60-64

¹Corequisite AM 148 or Instructor approval. Contact the Department of International Languages for permission to complete this class in this semester.²PSC 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.³Prerequisite AM 207. Contact the Department of International Languages for permission to complete this class in the same semester as the prerequisite course.⁴Prerequisite AM 210. Contact the Department of International Languages for permission to complete this class in the same semester as the prerequisite course.

Dental Assisting – Clinical
CERTIFICATE OF ACHIEVEMENT (CoA)

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.

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
ENG 100 or 101 or 107 or 113	3-5
TOTAL CREDITS	3-5

SECOND SEMESTER	Credits
DA 108B Introduction to Dental Assisting ¹	2
DA 115B Dental Health Education ¹	1
DA 118B Dental Materials for Dental Assistants ¹	3
DA 124B Integrated Science for Dental Assistants ¹	4
TOTAL CREDITS	10

THIRD SEMESTER	Credits
DA 119B Dental Chairside Procedures ²	4
DA 123B Practice Management and Procedures ²	3
DA 128B Dental Radiology ²	3
TOTAL CREDITS	10

FOURTH SEMESTER	Credits
DA 126B Clinical Externship ³	6
DA 136B Dental Specialties ³	3
TOTAL CREDITS	9

DEGREE PLAN TOTAL CREDITS.....**32**

¹All four classes are co-requisite.

²All three classes are co-requisites.

³Take 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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 Hygienists	2
CLS 262	Applied Clinical Microbiology for Dental Hygienists	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.
 - 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)

LIMITED ENTRY
DEGREE CODE: DH-AS

REQUIRED CREDITS: 88

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 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 ¹	3
TOTAL CREDITS	13-17

SECOND SEMESTER Credits

ENG 102 or 114	3
BIOL 224 Human Anatomy and Physiology II	4
COM 101 or COM 102	3
SOC 101 Principles of Sociology ¹	3
TOTAL CREDITS	13

THIRD SEMESTER Credits

Complete AA/AB/AS Literature p. 45	3
CHEM 121 General Chemistry I	4
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	11

FOURTH SEMESTER Credits

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 Hygienists	2
CLS 262 Applied Clinical Microbiology for Dental Hygienists	1
Optional ² - DH 116B Supervised Clinical Practice	(1)
TOTAL CREDITS	15 (16)

FIFTH SEMESTER Credits

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 ² - DH 116B Supervised Clinical Practice	(1)
TOTAL CREDITS	14 (15)

SIXTH SEMESTER Credits

DH 209 Pain and Anxiety Control	3
Optional ² - DH 116B Supervised Clinical Practice	(1)
TOTAL CREDITS	3 (4)

SEVENTH SEMESTER Credits

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 ² - DH 116B Supervised Clinical Practice	(1)
TOTAL CREDITS	12 (13)

EIGHTH SEMESTER Credits

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 ² - DH 296 Board Review	(1)
Optional ² - DH 116B Supervised Clinical Practice	(1)
TOTAL CREDITS	7 (9)

DEGREE PLAN TOTAL CREDITS..... **88-90 (94-96)**¹This course also covers the Values and Diversity general education requirement.²Optional 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	Public Health and Special Populations	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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS		6

SECOND SEMESTER

PHIL 302 Intermediate Reasoning and Critical Thinking	Credits	3
DH 400 Leadership and Group Dynamics		2
DH 402 Public Health and Special Populations		2
DH 404 Research Methodology		2
DH 406 Future Directions in Dental Hygiene		2
DH 408 Teaching Methodologies		2
TOTAL CREDITS		13

THIRD SEMESTER

ENG 333 Professional Communications	Credits	3
PHIL 311 Professional Ethics		3
DH 418 Advanced Education Concepts		2
DH 428 Clinical/Laboratory Teaching ¹		2
DH 442 Capstone Seminar II		2
TOTAL CREDITS		12

DEGREE PLAN TOTAL CREDITS².....31

¹Prerequisite 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.

²Adding 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.
 - 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
and 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	Public Health and Special Populations	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.
 - 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***Plan can be modified to fit the needs of part-time students by adding more semesters.***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)	Credits
COM 340 Cross Cultural Communication	3
EPY 303 Educational Psychology	3
TOTAL CREDITS	6

SECOND SEMESTER	Credits
PHIL 302 Intermediate Reasoning and Critical Thinking	3
DH 400 Leadership and Group Dynamics	2
DH 402 Public Health and Special Populations	2
DH 404 Research Methodology	2
DH 406 Future Directions in Dental Hygiene	2
DH 408 Teaching Methodologies	2
TOTAL CREDITS	13

THIRD SEMESTER	Credits
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
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS¹ **31**

¹Adding 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) upon the recommendation of the JRC-DMS which is located at 2025 Woodlane Drive, St. Paul, MN 55125, (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. 46 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; International 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
BIOL 189 Fundamentals of Life Science ¹	(4)
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
COM 101 Oral Communication	3
TOTAL CREDITS	9 (13) - 11 (15)

SECOND SEMESTER	Credits
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
TOTAL CREDITS	11

THIRD SEMESTER	Credits
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
TOTAL CREDITS	12

FOURTH SEMESTER	Credits
<i>Application due to Limited Entry - Deadline is February 1st every year</i>	

FIFTH SEMESTER	Credits
SON 102B Basic Cardiac Sonography	3
SON 102L Basic Cardiac Sonography Laboratory	1
SON 150B Patient Care for Imaging Professions/Lab	3
TOTAL CREDITS	7

SIXTH SEMESTER	Credits
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
TOTAL CREDITS	10

SEVENTH SEMESTER	Credits
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
TOTAL CREDITS	13

EIGHTH SEMESTER	Credits
SON 282B Sonographic Clinical Practicum III	3
TOTAL CREDITS	3

NINTH SEMESTER	Credits
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
TOTAL CREDITS	14

TENTH SEMESTER	Credits
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
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **92 (96) - 96 (100)**

¹This 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) upon the recommendation of the JRC-DMS which is located at 2025 Woodlane Drive, St. Paul, MN 55125, (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 AA/AB/AS policy p. 45 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;
International 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
BIOL 189 Fundamentals of Life Science ¹	(4)
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
COM 101 Oral Communication	3
TOTAL CREDITS	9 (13) - 11 (15)

SECOND SEMESTER	Credits
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
TOTAL CREDITS	10

THIRD SEMESTER	Credits
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
TOTAL CREDITS	12

FOURTH SEMESTER	Credits
<i>Application due to Limited Entry - Deadline is February 1st every year</i>	

FIFTH SEMESTER	Credits
SON 101B Basic Sonography	3
SON 101L Basic Sonography Laboratory	1
SON 150B Patient Care for Imaging Professions/Lab	3
TOTAL CREDITS	7

SIXTH SEMESTER	Credits
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
TOTAL CREDITS	13

SEVENTH SEMESTER	Credits
SON 190B Sonographic Physics and Instrumentation II	3
SON 195B Sonographic Scanning Lab II	2
SON 220B Abdominal Sonography II	3
SON 245B Obstetrical Sonography I	3
SON 281B Sonographic Clinical Practicum II	2
TOTAL CREDITS	13

EIGHTH SEMESTER	Credits
SON 282B Sonographic Clinical Practicum III	3
TOTAL CREDITS	3

NINTH SEMESTER	Credits
SON 250B Seminar and Case Review I	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 II	1
SON 283B Sonographic Clinical Practicum IV	3
TOTAL CREDITS	14

TENTH SEMESTER	Credits
SON 255B Seminar and Case Review II	2
SON 276B Vascular Sonography II	3
SON 276L Vascular Sonography Laboratory II	1
SON 284B Sonographic Clinical Practicum V	3
SON 290B Sonography Registry Review	2
TOTAL CREDITS	11

DEGREE PLAN TOTAL CREDITS..... **93 (97) - 97 (101)**

¹This 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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 ¹	4
DT 117 Advanced Diesel/Heavy Equipment Electronics ²	4
TOTAL CREDITS	18

SECOND SEMESTER	Credits
ENG 107 Technical Communications I	3
DT 136 Diesel Engine Repair I	4
DT 138 Diesel Engine Repair II ³	4
DT 165 Diesel Heavy Equipment Heating and Air Conditioning	4
TOTAL CREDITS	15

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
TOTAL CREDITS	14

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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS.....**62**

¹Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.

²Prerequisite DT 115 or Instructor approval. Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.

³Prerequisite 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.
 - 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: DLS-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
DT 104 Diesel Equipment Service	4
DT 115 Diesel/Heavy Equipment Electrical Systems ¹	4
DT 117 Advanced Diesel/Heavy Equipment Electronics ²	4
TOTAL CREDITS	15
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	31

¹Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.

²Prerequisite 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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. 46 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	3
Complete Natural Science ¹ (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
TOTAL CREDITS	15-16
THIRD SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS US/Nevada Constitutions ² p. 46	4-6
EDU 220 Principles of Educational Psychology	3
ECE 260 Children's Literature	3
Complete Electives (see courses previous page)	1
TOTAL CREDITS	14-16
FOURTH SEMESTER	Credits
Complete Fine Arts (see courses previous page)	3
Complete Humanities ³ (see courses previous page)	3
Complete AA/AB/AS Analytical Reasoning p. 45	3
EDU 299 Education Portfolio	1
ECE 232 Practicum: Infant and Toddler	3
Complete Natural Science (No Lab - see courses previous page)	3
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	60-65

¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

²PSC 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.

³Under 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. 46 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; International 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. 47 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	3-4
ECE 232	Practicum: Infant and Toddler	3-4
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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.***Note: The following courses are not available every semester and should be taken when offered:**ECE 130, ECE 204, ECE 235¹, ECE 240, ECE 274

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
ECE 202 Understanding Human Growth and Development	3
ECE 250 Introduction to Early Childhood Education	3
TOTAL CREDITS	12-15

SECOND SEMESTER	Credits
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
TOTAL CREDITS	12

THIRD SEMESTER	Credits
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
ECE 252 Infant/Toddler Curriculum	3
TOTAL CREDITS	6

FOURTH SEMESTER	Credits
Complete AAS US/Nevada Constitutions ² p. 46	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 ³	2
TOTAL CREDITS	15-19

COURSES TAKEN WHEN OFFERED	Credits
Complete courses when offered - see note at top of page	15

DEGREE PLAN TOTAL CREDITS..... **60-67**¹Prerequisite for this course is ECE 200 and ECE 251.²PSC 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.³ECE 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 formal academic studies in which they will gain both theoretical and practical skills necessary to work in an infant/toddler, preschool setting, family day care, childcare center, or other child centered job. Upon completion of this degree, students may go directly into employment.

STUDENT LEARNING OUTCOMES

- Demonstrate an understanding of 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. 46 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; International 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. 47 for courses

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (33 credits)

ECE 130	Infancy	3
ECE 153	Language Development in the Preschool	1
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
ELECTIVES (choose 5 credits from the following)		
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	3-4
ECE 232	Practicum: Infant and Toddler	3-4

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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.***Note: The following courses are not available every semester and should be taken when offered:****ECE 127, ECE 130, ECE 134, ECE 151, ECE 152, ECE 153, ECE 154, ECE 155, ECE 156, ECE 157, ECE 158, ECE 204, ECE 235¹, and ECE 274**

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
ECE 250 Introduction to Early Childhood Education	3
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete AAS US/Nevada Constitutions ² p. 46	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
TOTAL CREDITS	13-15
THIRD SEMESTER	Credits
Complete AAS Fine Arts/Humanities/Soc. Sci. (see courses previous page)	3
ECE 252 Infant/Toddler Curriculum	3
TOTAL CREDITS	6
FOURTH SEMESTER	Credits
ECE 231 or ECE 232	3-4
ECE 245 Practicum Seminar ³	2
TOTAL CREDITS	5-6
COURSES TAKEN WHEN OFFERED	Credits
Courses completed when offered -See note at top of page ⁴	19
Courses completed when offered -See note at top of page ^{4,5}	2
TOTAL CREDITS	21
DEGREE PLAN TOTAL CREDITS	60-65

¹Prerequisite for this course is ECE 200 and ECE 251.²PSC 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.³ECE 245 must be taken concurrently with ECE 231 or 232.⁴Take either ECE 151 and 152; or 127 and 134.

Early Childhood Education – Infant/Toddler Education

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: ECETOD-CT

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 TwoYear 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete Communications ¹ (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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete Communications ² (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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **30-32**

¹Choose from BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102

²Choose 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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: ECEPRE-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
Complete Mathematics (see courses this page)	3
Complete Communications ¹ (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
TOTAL CREDITS	15-17

SECOND SEMESTER

	Credits
Complete Communications ² (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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **30-32**¹Choose from BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102²Choose 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.
 - 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. 45 for courses (with a C or better)

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 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. 46 for courses

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

See AA/AB/AS policy p. 46 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
Choose one from the following (3 credits)		
ECON 295	Special Topics in Economics	3
MATH 132	Finite Mathematics (or above)	3

SOCIAL SCIENCE/INTERNATIONAL 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 124 College Algebra ¹	3
ENG 100 or 101 or 113 ¹	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 46	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114 ¹	3
Complete AA/AS/AB Natural Science ² (with lab) p. 46	3-4
Complete Social Science/International Languages ³ (see courses previous page)	4
ECON 102 Principles of Microeconomics	3
Complete Humanities ⁴ (see courses previous page)	3
TOTAL CREDITS	16-17

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science (no lab) p. 46	3
Complete AA/AB/AS Literature p. 45	3
Complete Social Science/International Languages ³ (see courses previous page)	4
ECON 103 Principles of Macroeconomics	3
ECON 261 Principles of Statistics	3
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
Complete AA/AB/AS US/Nevada Constitutions ⁵ p. 46	4-6
ECON 180 The Economics of Discrimination ⁶	3
ECON 262 Principles of Statistics II	3
ECON 295 or MATH 132	3
TOTAL CREDITS	13-15

DEGREE PLAN TOTAL CREDITS..... **60-65**¹Must complete course with a C or higher.²Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.³If completing Social Science then choose 9 credits from at least two different disciplines (completing courses in semesters 2, 3 & 4); if completing International Languages then choose 8 credits in two courses from the same language; this degree plan reflects completing the International Languages courses.⁴Use the course list that follows "COM 101 and one course from the following"⁵PSC 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.⁶ECON 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. 45 for courses (with a C or better)

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 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. 46 for courses

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

See AA/AB/AS policy p. 46 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 46 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/INTERNATIONAL 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 124 College Algebra ¹	3
ENG 100 or 101 or 113 ¹	3-5
PHIL 102 Reasoning and Critical Thinking	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 46	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114 ¹	3
Complete AA/AS/AB Natural Science ² (with lab) p. 46	3-4
Complete Social Science/International Languages ³ (see courses previous page)	4
ECON 102 Principles of Microeconomics	3
Complete Humanities ⁴ (see courses previous page)	3
TOTAL CREDITS	16-17

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science (no lab) p. 46	3
Complete AA/AB/AS Literature p. 45	3
ECON 103 Principles of Macroeconomics	3
ECON 261 Principles of Statistics	3
ECON 274 Investment Economics	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete AA/AB/AS US/Nevada Constitutions ⁵ p. 46	4-6
ECON 275 Risk Management Economics	3
ECON 276 Internship in Financial Economics	3
Complete Social Science/International Languages ³ (see courses previous page)	4
TOTAL CREDITS	14-16

DEGREE PLAN TOTAL CREDITS..... **63-65**

Please Note: Students seeking an AA degree must also complete the General Education Values and Diversity requirement. See the list of choices on p. 46. Courses that satisfy the Values and Diversity requirement may also be used to satisfy a corresponding General Education or Special Programs requirement.

¹Must complete course with a C or higher.

²Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

³If completing Social Science then choose 9 credits from at least two different disciplines (completing courses in semesters 2, 3 & 4); if completing International Languages then choose 8 credits in two courses from the same language; this degree plan reflects completing the International Languages courses.

⁴Use the course list that follows “COM 101 and one course from the following”

⁵PSC 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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. 46 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	3
BIOL 101 Biology for Non-Majors	4
Complete US/Nevada Constitutions ¹ (see courses previous page)	4-6
EDU 203 Introduction to Special Education	3
EDU 210 Nevada School Law	2
TOTAL CREDITS	16-18
THIRD SEMESTER	Credits
GEOG 103 Physical Geography	3
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Fine Arts p. 46	3
EDU 220 Principles of Educational Psychology	3
EDU 280 Valuing Cultural Diversity	3
TOTAL CREDITS	15
FOURTH SEMESTER	Credits
HIST 217 Nevada History	3
Complete AA/AB/AS Analytical Reasoning p. 45	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
TOTAL CREDITS	14
DEGREE PLAN TOTAL CREDITS	60-64

¹PSC 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 45	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	3
Complete AA/AB/AS Natural Science (No Lab - see courses this page)	3
Complete Social Science ¹ (see courses this page)	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity ²	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	17

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science ³ (With Lab - see courses this page)	3-4
Complete Social Science ¹ (see courses this page)	3
Complete AA/AB/AS US/Nevada Constitutions ⁴ p. 46	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	16-19

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete Social Science ¹ (see courses this page)	3
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	2
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹Select one course from three different disciplines.

²EDU 280 also covers your Values and Diversity General Education Requirement.

³Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

⁴PSC 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

HUMANITIES (6 credits)

Required: COM 101 and HIST 217

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 45	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	15-17

SECOND SEMESTER

	Credits
Complete AA/AB/AS English Composition p. 45	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 46	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity ¹	3
TOTAL CREDITS	14

THIRD SEMESTER

	Credits
HIST 217 Nevada History	3-4
Complete Social Science ² (see courses this page)	3
Complete AA/AB/AS US/Nevada Constitutions ³ p. 46	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	16-19

FOURTH SEMESTER

	Credits
Complete AA/AB/AS Literature p. 45	3
Complete Social Science ² (see courses this page)	6
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	5
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹EDU 280 also covers your Values and Diversity General Education Requirement.

²Select one course from three different disciplines.

³PSC 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.

• 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AA/AB/AS English Composition p. 45	3-5
EDU 202 Introduction to Secondary Education	3
EDU 214 Preparing Teachers to Use Technology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	3
COM 101 Oral Communication	3
Complete AA/AB/AS Fine Arts p. 46	3
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity ¹	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	17

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 ² p. 46	4-6
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	16-19

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete AA/AB/AS Natural Science ³ (With Lab - see courses this page)	3-4
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	2
TOTAL CREDITS	12-13

DEGREE PLAN TOTAL CREDITS..... 60-66

¹EDU 280 also covers your Values and Diversity General Education Requirement.

²PSC 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.

³Only 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AA/AB/AS English Composition p. 45	3
Complete AA/AB/AS Natural Science (No Lab - see courses this page)	3
Complete AA/AB/AS US/Nevada Constitutions ¹ p. 46	4-6
EDU 210 Nevada School Law	2
EDU 280 Valuing Cultural Diversity	3
TOTAL CREDITS	15-17

THIRD SEMESTER	Credits
HIST 217 Nevada History	3
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Natural Science ² (With Lab - see courses this page)	3-4
EDU 220 Principles of Educational Psychology	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	15-16

FOURTH SEMESTER	Credits
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete AA/AB/AS Fine Arts p. 46	3
EDU 299 Education Portfolio	1
Complete Electives (see courses this page)	8
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹PSC 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.

²Only 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.
 - 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 – 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 emphasis 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. Specialize concentration instruction includes topics such as in-depth analysis of analog and digital circuits, electrical and power supply troubleshooting, systems such as radar and microwaves, computer and network fundamentals, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in a bench repair, defense contractor, and 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 emphasis 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, 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)**

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: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L and 132

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

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

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.
 - 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 – Bench Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETBT-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
HIST 106 European Civilization Since 1648	3
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	14-17
THIRD SEMESTER	Credits
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
ET 213B Digital Logic II	4
ET 282B Microprocessors I	3
TOTAL CREDITS	15
FIFTH SEMESTER	Credits
EGG 132 Technical Physics II	4
MUS 231 Recording Techniques I	3
ET 222B Solid State Devices and Circuits II	4
ET 293B Telecommunications Transmission Methods	3
TOTAL CREDITS	14
DEGREE PLAN TOTAL CREDITS	65-70



Engineering Technology – Biomedical Equipment Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 71

DEGREE CODE: ETBET-AAS

DESCRIPTION

The Associate of Applied Science Degree in Engineering Technology with Electronics emphasis 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. Specialize concentration instruction includes topics such as in-depth analysis of analog and digital circuits, electrical and power supply troubleshooting, systems such as radar and microwaves, computer and network fundamentals, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in a bench repair, defense contractor, and 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 emphasis 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, 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)**

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: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L and 132

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (44 CREDITS)**CORE REQUIREMENTS (44 credits)**

CIT 110	A+ Hardware	3
CIT 112B	Network+	3
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

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.
 - 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 – Biomedical Equipment Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 71

DEGREE CODE: ETBET-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
HIST 106 European Civilization Since 1648	3
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
CIT 110 A+ Hardware	3
IS 100B or IS 101	0-3
TOTAL CREDITS	14-17
THIRD SEMESTER	Credits
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
CIT 112B Network+	3
ET 282B Microprocessors I	3
HHP 123B Introduction to the Human Body	4
TOTAL CREDITS	18
FIFTH SEMESTER	Credits
EGG 132 Technical Physics II	4
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
TOTAL CREDITS	17
DEGREE PLAN TOTAL CREDITS	71-76



Engineering Technology – Defense Contractor Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 64

DEGREE CODE: ETDCT-AAS

DESCRIPTION

The Associate of Applied Science Degree in Engineering Technology with Electronics emphasis 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. Specialize concentration instruction includes topics such as in-depth analysis of analog and digital circuits, electrical and power supply troubleshooting, systems such as radar and microwaves, computer and network fundamentals, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Engineering Technology Accreditation Commission of ABET, www.abet.org.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in a bench repair, defense contractor, and 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 emphasis 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, 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)**

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: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L and 132

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**CORE REQUIREMENTS (34 credits)**

ET 104B	Fabrication and Soldering Techniques	2
ET 131B	DC for Electronics	4
ET 132B	AC for Electronics	4
ET 205B	Power Supply Theory and Repair	3
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
ET 289B	Electrical Troubleshooting	4
ET 293B	Telecommunication Transmission Methods	3

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 206B	Video Monitor Theory and Repair (or above)	1-4

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.
 - 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 – Defense Contractor Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 64

DEGREE CODE: ETDCT-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
HIST 106 European Civilization Since 1648	3
ET 104B Fabrication and Soldering Techniques	2
ET 131B DC for Electronics	4
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
Complete Electives (see courses previous page)	3-4
IS 100B or IS 101	0-3
TOTAL CREDITS	14-18
THIRD SEMESTER	Credits
ET 220B Solid State Devices and Circuits I	4
ET 228 Data Acquisition	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
ET 205B Power Supply Theory and Repair	3
ET 282B Microprocessors I	3
TOTAL CREDITS	14
FIFTH SEMESTER	Credits
EGG 132 Technical Physics II	4
MUS 231 Recording Techniques I	3
ET 289B Electrical Troubleshooting	4
ET 293B Telecommunications Transmission Methods	3
TOTAL CREDITS	14
DEGREE PLAN TOTAL CREDITS	64-70



Engineering Technology – Electronics

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 33

DEGREE CODE: ETELEC-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 132B AC for Electronics	4
ET 212B Digital Logic I	4
TOTAL CREDITS	11
THIRD SEMESTER	Credits
ET 220B Solid State Devices and Circuits I	4
ET 228B Data Acquisition	3
ET 282B Microprocessors I	3
TOTAL CREDITS	10
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.
 - 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: 60

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)**

Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)**CORE REQUIREMENTS (33 credits)**

ADT 100B	Introduction to Drafting Theory	3
AUTO 105B	Automotive Maintenance I	2
CADD 100	Introduction to Computer Aided Drafting	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

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
MATH 116 Technical Mathematics	3
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
ADT 100B Introduction to Drafting Theory	3
CONS 120B Construction Plans and Specifications	3
TOTAL CREDITS	16

SECOND SEMESTER

	Credits
Complete AAS English Composition p. 46	3-5
CADD 100 Introduction to Computer Aided Drafting	3
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
IS 100B or IS 101	0-3
TOTAL CREDITS	14-19

THIRD SEMESTER

	Credits
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	4

FOURTH SEMESTER

	Credits
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
AUTO 105B Automotive Maintenance I	2
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controller I	3
TOTAL CREDITS	13

FIFTH SEMESTER

	Credits
MUS 231 Recording Techniques I	3
HIST 106 European Civilization Since 1648	3
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **60-65**

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: ETINDU-CT

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)**

Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)**CORE REQUIREMENTS (29 credits)**

CADD 100	Introduction to Computer Aided Drafting	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
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

Computation included in MT 102B, 104B

Human Relations included in MT 115B, 116B

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.***FIRST SEMESTER**

	Credits
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
MT 115B Programmable Logic Controllers I	3
TOTAL CREDITS	14

SECOND SEMESTER

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 116B Programmable Logic Controllers II	3
TOTAL CREDITS	11

THIRD SEMESTER

	Credits
IS 100B or IS 101 ¹	0-3
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
CADD 100 Introduction to Computer Aided Drafting	3
TOTAL CREDITS	7-10

DEGREE PLAN TOTAL CREDITS.....**32-35**

¹IS 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.
 - 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 (CoA)

REQUIRED CREDITS: 33

DEGREE CODE: ETMGT-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER Credits

ENG 102 Composition II	3
Complete Electives #1 (see courses this page)	9
TOTAL CREDITS	12

SECOND SEMESTER Credits

COM 115 Applied Communication	3
Complete Electives #1 (see courses this page)	6
Complete Electives #2 (see courses this page)	3
TOTAL CREDITS	12

THIRD SEMESTER Credits

ET 494 Senior Project	3
Complete Electives #1 (see courses this page)	3
Complete Electives #2 (see courses this page)	3
TOTAL CREDITS	9

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.
 - 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)**

Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)**CORE REQUIREMENTS (30 credits)**

AC 103B	Introduction to HVAC Mechanical Theory and Application	5
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

Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

ELECTIVES (choose 3-4 credits)

Any course with ET or MT prefix

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.***FIRST SEMESTER**

	Credits
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
TOTAL CREDITS	15-18

SECOND SEMESTER

	Credits
Complete AAS English Composition p. 46	3-5
COM 115 Applied Communication	3
EGG 131 Technical Physics I	3
EGG 131L Technical Physics I – Lab	1
MT 104B Industrial Electricity	4
TOTAL CREDITS	14-16

THIRD SEMESTER

	Credits
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	4

FOURTH SEMESTER

	Credits
MT 106B Mechanical Power Transmission	4
MT 110B Material Science I (Ferrous and Non-Ferrous)	4
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
TOTAL CREDITS	14-15

FIFTH SEMESTER

	Credits
HIST 106 European Civilization Since 1648	3
MUS 231 Recording Techniques I	3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
MT 116B Programmable Logic Controllers II	3
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS.....**60-66**

- 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.
 - 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

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: ETOPER-CT

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)

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 3 credits)

Any course with EGG, ET, MT prefix

Computation included in MT 102B

Human Relations included in MT 102B

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
MT 102B Fundamentals of Electricity	4
MT 106B Mechanical Power Transmission	4
TOTAL CREDITS	11
SECOND SEMESTER	Credits
AC 103B Introduction to HVAC Mechanical Theory and Application	5
CONS 120 Printreading and Specifications	3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
TOTAL CREDITS	12
THIRD SEMESTER	Credits
MT 104B Industrial Electricity	4
Complete Electives (see courses this page)	3
TOTAL CREDITS	7
DEGREE PLAN TOTAL CREDITS	30

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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 - 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.
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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. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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.
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Engineering Technology - Power Utility - Electrical Maintenance

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUEM-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
TOTAL CREDITS	12-16
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
TOTAL CREDITS	14
THIRD SEMESTER	Credits
PSC 101 Introduction to American Politics	4
HIST 106 European Civilization Since 1648	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	14
FIFTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	13
DEGREE PLAN TOTAL CREDITS	60-62



Engineering Technology – Power Utility - Electrical Maintenance

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUEM-CT

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
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS.....	14

SECOND SEMESTER	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
TOTAL CREDITS.....	11-12

THIRD SEMESTER	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
TOTAL CREDITS.....	6-7

DEGREE PLAN TOTAL CREDITS.....31-33

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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 - 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. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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.
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Engineering Technology – Power Utility - Mechanical Maintenance

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETPUMM-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
TOTAL CREDITS	12-16
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
TOTAL CREDITS	14
THIRD SEMESTER	Credits
PSC 101 Introduction to American Politics	4
HIST 106 European Civilization Since 1648	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	14
FIFTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	13
DEGREE PLAN TOTAL CREDITS	60-62



Engineering Technology – Power Utility – Mechanical Maintenance

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUMM-CT

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*Plan can be modified to fit the needs of part-time students by adding more semesters.***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
TOTAL CREDITS	14

SECOND SEMESTER

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
TOTAL CREDITS	11-12

THIRD SEMESTER

	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
TOTAL CREDITS	6-7

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.
 - 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. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3
MT 102B Fundamentals of Electricity	4
IS 100B or IS 101	0-3
Complete Electives (see courses previous page)	2-3
TOTAL CREDITS	12-16
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses previous page)	3
TOTAL CREDITS	14
THIRD SEMESTER	Credits
PSC 101 Introduction to American Politics	4
HIST 106 European Civilization Since 1648	3
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	14
FIFTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
MT 110B Material Science (Ferrous and Non-Ferrous)	4
MT 116B Programmable Logic Controllers II	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	13
DEGREE PLAN TOTAL CREDITS	60-66



Engineering Technology – Power Utility - Plant Operation

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: ETPUPO-CT

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
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*Plan can be modified to fit the needs of part-time students by adding more semesters.***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
TOTAL CREDITS	14

SECOND SEMESTER

	Credits
MT 104B Industrial Electricity	4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4
Complete Electives (see courses this page)	3-4
TOTAL CREDITS	11-12

THIRD SEMESTER

	Credits
MT 115B Programmable Logic Controllers I	3
Complete Electives (see courses this page)	3-4
TOTAL CREDITS	6-7

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.
 - 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. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

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)

Recommended: MUS 231 Recording Techniques I

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

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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
CSCO 105B Fundamentals of Voice and Data Cabling	3
ACC 135B Bookkeeping I	3
ET 100B or 104B	2-3
TOTAL CREDITS	14-17
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 131B DC for Electronics	4
MUS 231 Recording Techniques I	3
CIT 110 A+ Hardware	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16
THIRD SEMESTER	Credits
HIST 106 European Civilization Since 1648	3
ET 132B AC for Electronics	4
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
CIT 112B Network+	3
ET 212B Digital Logic I	4
ET 238B Device Peripherals ¹	3
ET 205B or ET 206B or ET 289B	4
TOTAL CREDITS	14
FIFTH SEMESTER	Credits
EGG 131 and 131L	4
PSC 101 Introduction to American Politics	4
ET 294B EET Capstone	3
CSCO 120 CCNA Internetworking Fundamentals	4
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	63-69

¹Prerequisite 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: ETSLOT-CT

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. Computers and 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 a hands-on understanding of the installation 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.

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)

CIT 110	A+ Hardware	3
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 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	12
SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 212B Digital Logic I	4
ET 111B Mathematics for Electronics Applications	3
TOTAL CREDITS	10
THIRD SEMESTER	Credits
CIT 110 A+ Hardware	3
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 238B Device Peripherals	3
TOTAL CREDITS	9
DEGREE PLAN TOTAL CREDITS	31

- 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.
 - 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: 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)

Recommended: MUS 231 Recording Techniques I

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
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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
ENG 100 or 101 or 113	3-5
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 138 Introduction to Slot Machine Technology	3
ET 100B or 104B	2-3
TOTAL CREDITS	14-17

SECOND SEMESTER	Credits
COM 115 Applied Communication	3
ET 131B DC for Electronics	4
MUS 231 Recording Techniques I	3
CIT 110 A+ Hardware	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16

THIRD SEMESTER	Credits
HIST 106 European Civilization Since 1648	3
ET 132B AC for Electronics	4
TOTAL CREDITS	7

FOURTH SEMESTER	Credits
CIT 112B Network+	3
ET 212B Digital Logic I	4
ET 238B Device Peripherals ¹	3
ET 205B or ET 206B or ET 289B	4
TOTAL CREDITS	14

FIFTH SEMESTER	Credits
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
TOTAL CREDITS	17

DEGREE PLAN TOTAL CREDITS..... **65-71**

¹Prerequisite 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, 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 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)**

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: 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)

Recommended: MUS 231 Recording Techniques I

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

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

Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

ELECTIVES (choose 3 credits)

CIT 110	A+ Hardware	3
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**
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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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
ET 111B Mathematics for Electronics Applications	3
COM 115 Applied Communication	3
ET 131B DC for Electronics	4
CSCO 105B Fundamentals of Voice and Data Cabling	3
ET 108B Telecommunications and the Information Age	3
TOTAL CREDITS	16

SECOND SEMESTER	Credits
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
TOTAL CREDITS	14-19

THIRD SEMESTER	Credits
HIST 106 European Civilization Since 1648	3
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	7

FOURTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
CSCO 120 CCNA Internetworking Fundamentals	4
ET 228B Data Acquisition	3
ET 282B Microprocessors I	3
TOTAL CREDITS	13

FIFTH SEMESTER	Credits
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
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS.....**63-68**

Engineering Technology – Telecommunications

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: ETEELCO-CT

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)

Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

CIT 110	A+ Hardware	3
CIT 112B	Network+	3
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16
SECOND SEMESTER	Credits
CIT 110 A+ Hardware	3
CIT 112B Network+	3
CSCO 205B Fiber Optic Cabling	3
ET 132B AC for Electronics	4
TOTAL CREDITS	13
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
TOTAL CREDITS	3
DEGREE PLAN TOTAL CREDITS	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.
 - 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: 63

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)**

Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 for courses

COMMUNICATIONS (3 credits)

Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)

Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)

Required: EGG 131 and 131L

Recommended: MT 102B Fundamental of Electricity

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)

Recommended: MUS 231 Recording Techniques I

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

Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)**CORE REQUIREMENTS (30 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
THTR 214	Theater Technology II	3
WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2

Choose one from the following (0-3 credits)

IS 100B	Core Computing Competency	0
IS 101	Introduction to Information Systems	3

ELECTIVES (choose 6 credits)

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**
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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.
 - 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: 63

DEGREE CODE: ETTHTR-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	14
SECOND SEMESTER	Credits
Complete AAS English Composition p. 46	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
TOTAL CREDITS	15-17
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
HIST 106 European Civilization Since 1648	3
TOTAL CREDITS	6
FOURTH SEMESTER	Credits
MUS 231 Recording Techniques I	3
MT 106B Mechanical Power Transmission	4
THTR 214 Theater Technology II	3
Complete Electives (see courses this page)	3
IS 100B or IS 101	0-3
TOTAL CREDITS	13-16
FIFTH SEMESTER	Credits
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 this page)	3
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	63-68



Engineering Technology – Theatre

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: ETTHTR-CT

DESCRIPTION

The Certificate of Achievement in Engineering Technology, Theatre Emphasis 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)**

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

Choose one from the following (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
THTR 214	Theatre Technology II	3

Computation included in MT 102B, 104B

Human Relations included in MT 101B

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

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
TOTAL CREDITS	13

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
TOTAL CREDITS	13

THIRD SEMESTER	Credits
ET 104B Fabrication and Soldering Techniques	2
IS 100B or IS 101 ¹	0-3
MT 108B or MT 183B or THTR 214	3
TOTAL CREDITS	5-8

DEGREE PLAN TOTAL CREDITS.....31-34

¹IS 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**
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 - 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. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 for courses

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 for courses

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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. 46 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 46 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**CORE REQUIREMENTS (14 credits)**

COM 101	Oral Communication	3
	International 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.

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English

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ENG-AA

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete AA/AB/AS Natural Science (No Lab) p. 46	3
Complete Social Science (see courses previous page)	3
Complete AA/AB/AS US/Nevada Constitutions ¹ p. 46	4-6
Complete AA/AB/AS Analytical Reasoning p. 45	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science ² (With Lab) p. 46	3-4
Complete AA/AB/AS Fine Arts p. 46	3
ENG 298 Writing About Literature	3
International Languages 111 or above ³	4
Complete Electives (see courses previous page)	3
TOTAL CREDITS	16-17

FOURTH SEMESTER	Credits
ENG 223 or above	6
International Languages 111 or above ³	4
Complete Electives (see courses previous page)	3
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹PSC 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.

²Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.

³When completing the International 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; International 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**
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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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12

SECOND SEMESTER	Credits
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
TOTAL CREDITS	12

THIRD SEMESTER	Credits
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
TOTAL CREDITS	12

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	12

FIFTH SEMESTER	Credits
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
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS.....60

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 (CoA)

REQUIRED CREDITS: 34

DEGREE CODE: FSTFF-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	12
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
TOTAL CREDITS	10
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
TOTAL CREDITS	12
DEGREE PLAN TOTAL CREDITS	34

- 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.
 - 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. 46 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, 202, 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; International 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete AAS English Composition p.46	3-5
BUS 107 Business Speech Communications	3
Complete Human Relations (see courses previous page)	3
FT 101 Principles of Emergency Services	3
TOTAL CREDITS	12-14
SECOND SEMESTER	Credits
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 ¹	3
TOTAL CREDITS	12
THIRD SEMESTER	Credits
FT 125 Building Construction for Fire Protection	3
FT 152B Legal Aspects of Emergency Services	3
Complete Electives ² (see courses previous page)	6
TOTAL CREDITS	12
FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
FT 121 Fire Prevention	3
FT 224 Fire Protections Systems	3
Complete Electives ² (see courses previous page)	3
TOTAL CREDITS	12
FIFTH SEMESTER	Credits
COM 101 Oral Communication	3
Complete AAS US/NV Constitutions ³ p.47	4-6
FT 154B Principles of Fire and Emergency Services	
Safety and Survival	3
Complete Electives ² (see courses previous page)	3
TOTAL CREDITS	13-15
DEGREE PLAN TOTAL CREDITS	61-65

¹Prerequisites 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.

²Some elective choices have prerequisites – see a counselor to help select courses and complete prerequisites.

³PSC 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. 46 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete AAS English Composition p. 46	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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
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
TOTAL CREDITS	14
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	60-62



Floral Design Technology
CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: FLORDT-CT

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
FLOR 102B Introduction to Floral Design	3
PHO 101B Beginning Photography	3
TOTAL CREDITS	9-11

SECOND SEMESTER	Credits
FLOR 202B Tributes and Traditions ¹	3
FLOR 220B Events and Display ²	3
TOTAL CREDITS	6

THIRD SEMESTER	Credits
FLOR 106B Permanent Botanicals ³	3
FLOR 204B Traditional Weddings ³	3
TOTAL CREDITS	6

FOURTH SEMESTER	Credits
FLOR 208B Creativity and Competition ¹	3
FLOR 240B Advanced Weddings ³	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	9

DEGREE PLAN TOTAL CREDITS.....**30-32**

¹This course offered every other Spring only.

²This course offered in the Spring only.

³This course offered in the Fall only.

- NOTE**
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 - 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 or 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.

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; International 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	16
THIRD SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
Complete AAS US/NV Constitutions p.47	4
FAB 160 Hospitality Purchasing	3
FAB 230 Menu Planning	3
FAB 272 Liquor and Bar Management ^{1, 2}	3
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
FAB 210 Fundamentals of Food and Beverage Control	3
FAB 285 Catering Management ³	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
TOTAL CREDITS	13
DEGREE PLAN TOTAL CREDITS	61-62

¹ Must be 21 or older.

² If not offered take FAB 285.

³ If not offered take FAB 272.



Food and Beverage Management

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: FAB-CT

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 (3 CREDITS)

COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

SPECIAL PROGRAM REQUIREMENTS (29 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
HMD 259	Human Resources Management in the Hospitality Industry	3

Computation included in FAB 160

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
CUL 110 Basic Cookery	4
FAB 102 Sanitation for the Food Service Industry	2
FAB 160 Hospitality Purchasing	3
HMD 101 Introduction to the Hospitality Industry	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
FAB 112 Restaurant Management	3
FAB 167 Food Service Nutrition	2
FAB 210 Fundamentals of Food and Beverage Control ¹	3
FAB 230 Menu Planning ²	3
FAB 285 Catering Management ²	3
HMD 259 Human Resources Management	3
TOTAL CREDITS	17

DEGREE PLAN TOTAL CREDITS..... **32-34**

¹Prerequisite FAB 160 and MATH 104B or 120 or 124 or 126.

²Prerequisite 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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

See AA/AB/AS policy p. 46 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	4
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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
GLO 101 Introduction to Global Studies	3
GEOG 106 World Geography	3
HIST 209 World History II ¹	3
PSC 200 or PHIL 207 or PHIL 210	3
TOTAL CREDITS	16

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Fine Arts p. 46	3
Complete Natural Science ² (with lab-see courses previous page)	3-4
GLO 299 Capstone in Global Studies	3
HIST 102 or 217	3
TOTAL CREDITS	15-16

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.

¹Use the course list that follows “PSC 101 and two courses from the following”¹Must be a HIST course NOT already used to satisfy other areas of this degree.³Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.⁴This 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, 135B, 265B; 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. 47 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	Design Fundamentals	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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
GRC 101 Introduction to Graphic Communications	3
GRC 103 Introduction to Computer Graphics	3
TOTAL CREDITS	9

SECOND SEMESTER	Credits
Complete English Composition (see courses this page)	3
GRC 104 Layout and Typography	3
GRC 107 Design Fundamentals	3
TOTAL CREDITS	9

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
TOTAL CREDITS	11

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
GRC 140 Print Production with InDesign	3
GRC 156B Design with Illustrator	3
GRC 183B Design with Photoshop	3
TOTAL CREDITS	16-18

FIFTH SEMESTER	Credits
Complete Natural Science (see courses this page)	3-4
GRC 205 History of Design	3
GRC 207 Electronic Design	3
TOTAL CREDITS	9-10

SIXTH SEMESTER	Credits
GRC 278B Advanced Design and Production	3
GRC 294B Portfolio Prep	3
TOTAL CREDITS	6

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹PSC 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.
 - 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, 135B, 265B; 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. 47 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	Design Fundamentals	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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses this page)	3
GRC 101 Introduction to Graphic Communications	3
GRC 103 Introduction to Computer Graphics	3
TOTAL CREDITS	9

SECOND SEMESTER	Credits
Complete English Composition (see courses this page)	3
GRC 104 Layout and Typography	3
GRC 107 Design Fundamentals	3
TOTAL CREDITS	9

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
TOTAL CREDITS	11

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
GRC 140 Print Production with InDesign	3
GRC 156B Design with Illustrator	3
GRC 175B Web Design I	3
TOTAL CREDITS	16-18

FIFTH SEMESTER	Credits
Complete Natural Science (see courses this page)	3-4
GRC 183B Design with Photoshop	3
GRC 275B Web Design II	3
TOTAL CREDITS	9-10

SIXTH SEMESTER	Credits
GRC 207 Electronic Design	3
GRC 276B Web Design III	3
TOTAL CREDITS	6

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹PSC 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.
 - 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, 135B, 265B; 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

Choose one from the following (2 credits)

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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
HHP 123B Introduction to the Human Body ¹	4
HHP 124B Introduction to the Human Body Computer Lab ¹	1
COT 127B Microsoft Office for Offices	3
HIT 105B Introduction to Health Information Management	3
HIT 118B Language of Medicine	3
TOTAL CREDITS	17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	16-18

FIRST PROGRAM SEMESTER	Credits
HIT 106B Healthcare Reimbursement	2
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
HIT 165B Pathophysiology	4
HIT 170 Healthcare Computer Applications	3
TOTAL CREDITS	11

SECOND PROGRAM SEMESTER	Credits
HIT 130B Procedural Terminology	1
HIT 184B Introduction to ICD Coding	2
HIT 185B Introduction to CPT Coding	3
TOTAL CREDITS	6

THIRD PROGRAM SEMESTER	Credits
HIT 187B Introduction to ICD-PCS Coding	2
TOTAL CREDITS	2

FOURTH PROGRAM SEMESTER	Credits
HIT 201B Advanced Coding Systems	3
HIT 205B Privacy, Legal, and Ethical Issues in Healthcare	2
HIT 206B Professional Practice Experience I	3
TOTAL CREDITS	8

FIFTH PROGRAM SEMESTER	Credits
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
TOTAL CREDITS	7

DEGREE PLAN TOTAL CREDITS..... **67-69**

¹BIOL 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 (CoA)

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.

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

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 Communication (see courses this page)	3-5
COT 127B Microsoft Office for Offices	3
HHP 123B Introduction to the Human Body ¹	4
HHP 124B Introduction to the Human Body Computer Lab ¹	1
HIT 105B Introduction to Health Information Management	3
HIT 118B Language of Medicine	3
TOTAL CREDITS.....	17-19
FIRST PROGRAM SEMESTER	Credits
HIT 106B Healthcare Reimbursement	2
HIT 119B Introduction to Pharmacology and Laboratory Tests	2
HIT 165B Pathophysiology	4
HIT 170 Healthcare Computer Applications	3
TOTAL CREDITS.....	11
SECOND PROGRAM SEMESTER	Credits
HIT 130B Procedural Terminology	1
HIT 184B Introduction to ICD Coding	2
HIT 185B Introduction to CPT Coding	3
TOTAL CREDITS.....	6
THIRD PROGRAM SEMESTER	Credits
HIT 187B Introduction to ICD-PCS Coding	2
TOTAL CREDITS.....	2
FOURTH PROGRAM SEMESTER	Credits
HIT 186 Advanced Outpatient Coding	2
HIT 201B Advanced Coding Systems	3
TOTAL CREDITS.....	5
FIFTH PROGRAM SEMESTER	Credits
HIT 210B Coding Practice Experience	3
TOTAL CREDITS.....	3
DEGREE PLAN TOTAL CREDITS.....	44-46

¹BIOL 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).

- 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.
 - 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 Transcription

CERTIFICATE OF ACHIEVEMENT (CoA)

LIMITED ENTRY

REQUIRED CREDITS: 31

DEGREE CODE: MEDTRN-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.

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

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
COT 200 Word Processing I	3
HHP 123B Introduction to the Human Body ¹	4
HIT 118B Language of Medicine	3
HIT 120B Medical Transcription I	4
TOTAL CREDITS	17-19

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
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **31-33**

¹BIOL 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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 46 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; International 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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 ¹ (see courses previous page)	3
HIST 105 or HIST 208	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	16

THIRD SEMESTER	Credits
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 ²	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
ENG 223 or above	3
Complete Natural Science ³ (with lab-see courses previous page)	3-4
Complete Social Science ¹ (see courses previous page)	3
HIST 251 Introduction to Historical Methods ⁴	3
HIST 295 Special Topics in History	2-3
TOTAL CREDITS	14-15

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.

¹Use the course list that follows “PSC 101 and two courses from the following”²Must be a HIST course NOT already used to satisfy other areas of this degree.³Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.⁴This 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
HMD 101 Introduction to the Hospitality Industry	3
Complete AA English Composition p.45	3-5
PHIL 102 Reasoning and Critical Thinking	3
Complete AA Fine Arts p.45	3
COM 101 Oral Communication	3
TOTAL CREDITS	15-17

SECOND SEMESTER

	Credits
HMD 202 Housekeeping Operations	3
HMD 203 Front-Office Operations	3
Complete Mathematics (see courses this page)	3
Complete AA English Composition p.45	3
ENG 231 World Literature I	3
TOTAL CREDITS	15

THIRD SEMESTER

	Credits
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.45	3
ENV 101 Introduction to Environmental Science	3
TOTAL CREDITS	15

FOURTH SEMESTER

	Credits
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) ¹	4
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹Choose 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.
 - 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 or 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; International 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. 47 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p.46	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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
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
TOTAL CREDITS	15
THIRD SEMESTER	Credits
Complete AAS US/NV Constitutions ¹ p.47	4-6
FAB 102 Food Service Sanitation II	2
HMD 235 Hotel, Restaurant and Gaming Law	3
HMD 253 Hospitality Services Management ²	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	15-17
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	61-65

¹PSC 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.

²Prerequisite 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: HMD-CT

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 (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 (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 TCA 221

Human Relations included in HMD 259

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
HMD 101 Introduction to the Hospitality Industry	3
HMD 202 Housekeeping Operations	3
HMD 226 Industry Computer Applications for Hospitality and Tourism	3
TCA 180 Hotel, Restaurant and Casino Marketing	3
TOTAL CREDITS	15-17

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 221 Hospitality Accounting I	3
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	31-32

- 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.
 - 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.



International Languages

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61

DEGREE CODE: INTL-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)

MATH 120 or 124 or above

ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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

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)

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 page 46 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

CORE REQUIREMENTS (14 credits)

International Languages 111 or above 14
(courses must be in a single language)

HUMANITIES 6

COM 101; and HIST or PHIL

FINE ARTS 6

ART; DAN 101; MUS; THTR

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER

	Credits
ENG 100 or 101 or 113	3-5
Complete Mathematics (see courses this page)	3
Complete Social Science (see courses this page)	3
International Languages 111 or above ¹	4
Complete Humanities (see courses this page)	3
TOTAL CREDITS	16-18

SECOND SEMESTER

	Credits
ENG 102 or 114	3
Complete Natural Science (No Lab – see courses this page)	3
Complete Social Science (see courses this page)	3
PHIL 102 Reasoning and Critical Thinking	3
International Languages 111 or above ¹	4
TOTAL CREDITS	16

THIRD SEMESTER

	Credits
Complete US/Nevada Constitutions ² (see courses this page)	4-6
Complete Social Science (see courses this page)	3
International Languages 111 or above ¹	3
Complete Humanities (see courses this page)	3
Complete Fine Arts (see courses this page)	3
TOTAL CREDITS	16-18

FOURTH SEMESTER

	Credits
Complete AA/AB/AS Literature p. 45	3
Complete Natural Science (With Lab – see courses this page)	4
International Languages 111 or above ¹	3
Complete Fine Arts (see courses this page)	3
TOTAL CREDITS	13

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

¹Courses must be in a single language.

²PSC 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.
 - 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. 45 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. 46 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
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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (No Lab) p. 46	3
Complete Social Science (see courses previous page)	3
JOUR 102 News Reporting and Writing	3
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
ENG 223 Themes of Literature	3
Complete AA/AB/AS Natural Science ¹ (With Lab) p. 46	3-4
JOUR 210 Introduction to Public Relations	3
JOUR 276 Design Principles for Advertising/Publications	3
COM 196 or JOUR 290	2
TOTAL CREDITS	14-15

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹Only 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. 45 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. 46 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.
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 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
Complete AA/AB/AS Natural Science (No Lab) p. 46	3
Complete Social Science (see courses previous page)	3
JOUR 102 News Reporting and Writing	3
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
ENG 223 Themes of Literature	3
Complete AA/AB/AS Natural Science ¹ (With Lab) p. 46	3-4
JOUR 105 News Production I	3
JOUR 202 Electronic Media Production I	3
COM 196 or JOUR 290	2
TOTAL CREDITS	14-15

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹Only 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 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
Elective #1 (3 credits)		
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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-18

SECOND SEMESTER	Credits
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) ¹	3-4
TOTAL CREDITS	16-17

THIRD SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
COM 101 Oral Communication	3
Complete Fine Arts (see courses previous page)	3
Complete US/Nevada Constitutions ² (see courses previous page)	4-6
Complete Elective #4 (see courses previous page)	3
TOTAL CREDITS	16-18

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **60-66**¹Continue with next class in the group you chose to follow in your first semester.²PSC 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. 46 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, 135B, 265B; 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. 47 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; International 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. 47 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.
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 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	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
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AAS Natural Science p.47	3
MKT 132 Sales Management	3
MGT 201 Principles of Management	3
MKT 210 Marketing Principles	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	15

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

¹PSC 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 (54 CREDITS)

MATHEMATICS (3 credits)

MATH 124 or above

ENGLISH COMPOSITION (6 credits)

ENG 102 or 114; and ENG 333

COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 113

HUMAN RELATIONS (3 credits)

ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130, 135B, 265B; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

NATURAL SCIENCE (23 credits)

BIOL 196, 197, 214; or BIOL 214, 223, 224 and CHEM 110, 111, 220; or CHEM 121, 122, 220

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (12 credits)

ECON 261 and 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; International 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 (66 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
CLS 365	Laboratory Operations II	1
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/Immunohematology II	2
CLS 457	Applied Immunology/ Immunohematology II	1
CLS 476	Clinical Microbiology II	2
CLS 477	Applied Clinical Microbiology II	1
CLS 478	Research Methods	2
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

- 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

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.
- Students planning to apply to the BAS-MLS program should take BIOL 196.
- CLS courses must be taken in the order indicated.

FIRST SEMESTER (Spring)	Credits
ENG 100 or 101 or 113	3-5
MATH 124 or above ¹	3
BIOL 196 or 223	4
Complete Human Relations (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science ² (see courses previous page)	3
TOTAL CREDITS	16-18

SECOND SEMESTER (Fall)	Credits
ENG 102 or 114	3
CHEM 110 or 121 ³	4
ECON 261 Principles of Statistics I	3
Complete US/Nevada Constitutions ⁴ (see courses previous page)	4-6
TOTAL CREDITS	14-16

THIRD SEMESTER (Spring)	Credits
CHEM 111 or 122	4
ENG 333 Professional Communications	3
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
TOTAL CREDITS	15

FOURTH SEMESTER (Summer)	Credits
CLS 294 Clinical Practicum I	2
TOTAL CREDITS	2

FIFTH SEMESTER (Fall)	Credits
BIOL 197 or 224	4
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
TOTAL CREDITS	15

SIXTH SEMESTER (Spring)	Credits
BIOL 214 Molecular Processes	3
CLS 251 Immunology/Immunohematology	2
CLS 252 Applied Immunology/Immunohematology	2
CLS 291 Hematology I	2
CLS 292 Applied Hematology I	2
TOTAL CREDITS	11

SEVENTH SEMESTER (Summer)	Credits
CLS 295 Clinical Practicum II	2
CLS 296 Clinical Practicum III	4
TOTAL CREDITS	6

EIGHTH SEMESTER (Fall)	Credits
PHIL 302 Intermediate Reasoning and Critical Thinking	3
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
TOTAL CREDITS	11

NINTH SEMESTER (Spring)	Credits
PHIL 311 Professional Ethics	3
CLS 365 Laboratory Operations II	1
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
TOTAL CREDITS	10

TENTH SEMESTER (Summer)	Credits
CHEM 220 Introductory Organic Chemistry	4
TOTAL CREDITS	4

ELEVENTH SEMESTER (Fall)	Credits
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
TOTAL CREDITS	16

DEGREE PLAN TOTAL CREDITS..... **120**

¹The prerequisite for MATH 124 includes MATH 096 or 097 with a grade of C or better; or a satisfactory ACT/SAT/Placement test score.

²Under 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..."

³CHEM 121 requires CHEM 103 or CHEM 110 or a passing score on the Chemistry Placement Exam.

⁴PSC 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.



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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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 ¹	4
TOTAL CREDITS	13-15

SECOND SEMESTER	Credits
ENG 102 or ENG 114	3
CHEM 110 or CHEM 121 ²	4
COM 101 Oral Communication	3
PSC 101 Introduction to American Politics	4
TOTAL CREDITS	14

THIRD SEMESTER	Credits
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
TOTAL CREDITS	12

FOURTH SEMESTER	Credits
CLS 294 Clinical Practicum I	2
TOTAL CREDITS	2

FIFTH SEMESTER	Credits
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
TOTAL CREDITS	11

SIXTH SEMESTER	Credits
CLS 251 Immunology/Immunohematology I	2
CLS 252 Applied Immunology/Immunohematology I	2
CLS 291 Hematology I	2
CLS 292 Applied Hematology I	2
TOTAL CREDITS	8

SEVENTH SEMESTER	Credits
CLS 295 Clinical Practicum II	2
CLS 296 Clinical Practicum III	4
TOTAL CREDITS	6

DEGREE PLAN TOTAL CREDITS.....**66-68**

¹Students planning to apply to the Bachelor of Science Medical Laboratory Scientist Program should take BIOL 196.

²Prerequisite for CHEM 121 is CHEM 103 or CHEM 110; or a passing score on the Chemistry Placement Exam.



Medical Office Assisting
CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 42

LIMITED ENTRY
DEGREE CODE: MOA-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.

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 Office Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (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 Certification Examination (CMA).
- 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 American Association of Medical Assistants.

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 (39 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 106B	Healthcare Reimbursement	2
HIT 118B	Language of Medicine	3
MOA 101B	Introduction to Medical Assisting	3
MOA 106B	The Body in Health and Disease I	3
MOA 107B	Medical Assistant Techniques	4
MOA 108B	The Body in Health and Disease II	3
MOA 110B	Clinical Assistant Techniques	4
MOA 120B	Medical Office Management	3
MOA 130B	Clinical Externship	3
MOA 131B	Externship Seminar	1
MOA 195B	Selected Topics in Medical Assisting	2

Computation included in MOA 107B, 110B, 120B
 Human Relations included in MOA 101B, 120B

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.
 - 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 Office Assisting
CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 42

LIMITED ENTRY
 DEGREE CODE: MOA-CT

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 Communication (see courses previous page)	3-5
COT 127B Microsoft Office for Offices	3
HIT 118B Language of Medicine	3
MOA 101B Introduction to Medical Assisting	3
TOTAL CREDITS	12-14

SECOND SEMESTER	Credits
MOA 106B The Body in Health and Disease I ¹	3
MOA 107B Medical Assistant Techniques ¹	4
MOA 108B The Body in Health and Disease II ¹	3
CLS 130B Laboratory Procedures for Medical Office Assistants ¹	2
CLS 131B Applied Laboratory Procedures for Medical Office Assistants ¹	1
TOTAL CREDITS	13

THIRD SEMESTER	Credits
HIT 102B Coding for Medical Offices ¹	2
HIT 106B Healthcare Reimbursement	2
MOA 110B Clinical Assistant Techniques ¹	4
MOA 120B Medical Office Management ¹	3
TOTAL CREDITS	11

FOURTH SEMESTER	Credits
MOA 130B Clinical Externship	3
MOA 131B Externship Seminar	1
MOA 195B Selected Topics in Medical Assisting	2
TOTAL CREDITS	6

DEGREE PLAN TOTAL CREDITS.....**42-44**

¹This 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 MOA 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 MOA courses, with the exception of prerequisite courses, can only be taken once accepted into the MOA program, and then must be taken in the order indicated.

Upon successful completion of the MOA 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 MOA 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. 45 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**

Plan can be modified to fit the needs of part-time students by adding more semesters.

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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
Complete Social Science (see courses this page)	3
ENG 102 or 114	3
BIOL 122 Desert Plants ¹	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
TOTAL CREDITS	15

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
TOTAL CREDITS	15

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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... 60-62¹This 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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: MUS-CT

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 139	Introduction to Music Technology	3
MUS 260B	Studio Session Procedures	3
MUS 262B	Urban Music Production	3

Computation included in MUS 281B

Human Relations included in COM 115

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

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
TOTAL CREDITS	12
SECOND SEMESTER	Credits
MUS 232 Recording Techniques II	3
MUS 240 Virtual Studio Technology II	3
MUS 281B Business of Music II	3
TOTAL CREDITS	9
THIRD SEMESTER	Credits
COM 115 Applied Communication	3
MUS 285B Advanced Recording Techniques	3
MUS 139 or MUS 260B or MUS 262B	3
TOTAL CREDITS	9
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.
 - 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: 72

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 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 (49 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	4.5
NURS 247	Maternal-Newborn Nursing	4.5
NURS 248	Pediatric Nursing	4.5
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.
 - 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: 72

LIMITED ENTRY
DEGREE CODE: NUR-AAS

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 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>	
TOTAL CREDITS	13-15
SECOND SEMESTER	Credits
<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
TOTAL CREDITS	14
THIRD SEMESTER	Credits
<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
TOTAL CREDITS	8
FOURTH SEMESTER	Credits
<i>Admission into the Nursing Program – Standard Track</i>	
NURS 101 Introduction to Professional Nursing Practice	6
NURS 125B Pharmacology for Nursing Practice	2
TOTAL CREDITS	8
FIFTH SEMESTER	Credits
NURS 115 Medical-Surgical Nursing I	6.5
NURS 243 Mental Health Nursing	4.5
TOTAL CREDITS	11
SIXTH SEMESTER	Credits
NURS 247 Maternal-Newborn Nursing	4.5
NURS 248 Pediatric Nursing	4.5
TOTAL CREDITS	9
SEVENTH SEMESTER	Credits
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
TOTAL CREDITS	9
DEGREE PLAN TOTAL CREDITS	72-74



Nursing – LPN to RN

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 72

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 (49 CREDITS)

Practical Nursing Diploma and Nevada LPN License		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	4.5
NURS 247	Maternal-Newborn Nursing	4.5
NURS 248	Pediatric Nursing	4.5
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.
 - 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: 72

LIMITED ENTRY
DEGREE CODE: NURRN-AAS**FULL-TIME STUDENT DEGREE PLAN***Plan can be modified to fit the needs of part-time students by adding more semesters.*

PREREQUISITE	Credits
Practical Nursing Diploma and Nevada LPN License	8
TOTAL CREDITS	8

FIRST SEMESTER	Credits
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>	
TOTAL CREDITS	13-15

SECOND SEMESTER	Credits
<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
TOTAL CREDITS	14

THIRD SEMESTER	Credits
<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 ¹	2
TOTAL CREDITS	10

FOURTH SEMESTER	Credits
NURS 205 Introduction to Associate Degree Nursing	4.5
NURS 243 Mental Health Nursing	4.5
TOTAL CREDITS	9

FIFTH SEMESTER	Credits
NURS 247 Maternal-New Born Nursing	4.5
NURS 248 Pediatric Nursing	4.5
TOTAL CREDITS	9

SIXTH SEMESTER	Credits
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
TOTAL CREDITS	9

DEGREE PLAN TOTAL CREDITS..... **72-74**¹NURS 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 3073, Merrifield, VA 22116, (703) 940-9134.

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.
- Demonstrate the competencies necessary to 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 higher (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)

ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)

BUS 108; COM 101, 102, 215; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)

Recommended: ALS 101 College Success

NATURAL SCIENCE (3 credits)

Recommended: AST 101 General Astronomy

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 (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.
 - 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***Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	16

SECOND SEMESTER	Credits
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
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
AST 101 General Astronomy	3
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
Complete Communications (see courses previous page)	3
ALS 101 College Success	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 ²	3
TOTAL CREDITS	16

FIFTH SEMESTER	Credits
SOC 101 Principles of Sociology	3
PSC 101 Introduction to American Politics	4
OPHT 202B Contact Lenses I	3
OPHT 203B Contact Lenses II	1
OPHT 232B Opticianry Management Sales ¹	3
OPHT 260B Introduction to Low Vision ¹	1
OPHT 299B Certificate Review ²	2

TOTAL CREDITS.....**17**
DEGREE PLAN TOTAL CREDITS.....**68-70**

¹OPHT 232B and OPHT 260B may be taken in the first or second spring semester.²OPHT 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. 46 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. 47 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; International 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
IS 101 Introduction to Information Systems	3
TOTAL CREDITS	15-18

SECOND SEMESTER	Credits
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
LAW 101 Fundamentals of Law I	3
LAW 259 Legal Writing	3
LAW 263 Ethics	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AAS Natural Science p. 47	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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
LAW 234 Civil Procedure II	3
LAW 262 Legal Research II	4
Complete Electives (see courses previous page)	6
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **60-64**

¹PSC 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 (CoA)

REQUIRED CREDITS: 32

DEGREE CODE: LAW-CT

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

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
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
TOTAL CREDITS	19-21

SECOND SEMESTER	Credits
LAW 234 Civil Procedures II	3
LAW 253 Law Office Management	3
LAW 262 Legal Research II	4
LAW 263 Ethics	3
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... **32-34**

- 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.
 - 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

LIMITED ENTRY
DEGREE CODE: EMS-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 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) 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. 46 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, 135B, 265B; 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; International 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.
 - 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

LIMITED ENTRY

DEGREE CODE: EMS-AAS

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 AAS English Composition p. 46	3-5
HHP 123B Introduction to the Human Body ¹	4
HHP 124B Introduction to the Human Body Computer Lab ¹	1
Complete Fine Arts/Humanities/Social Sciences (see courses previous page)	3
HIT 117B Medical Terminology I	1
TOTAL CREDITS	12-14

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 ² p. 46	4-6
TOTAL CREDITS	13-15

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
TOTAL CREDITS	15

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
TOTAL CREDITS	6

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
TOTAL CREDITS	16

SIXTH SEMESTER	Credits
EMS 173B Paramedic Field Internship	3
TOTAL CREDITS	3

DEGREE PLAN TOTAL CREDITS..... **65-69**¹BIOL 223 and BIOL 224 can be taken in lieu of HHP 123B and HHP 124B.²PSC 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 (CoA)

REQUIRED CREDITS: 49

LIMITED ENTRY
 DEGREE CODE: EMS-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.

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) 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.
 - 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 (CoA)

REQUIRED CREDITS: 49

LIMITED ENTRY
DEGREE CODE:EMS-CT**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 previous page)	3-5
HHP 123B Introduction to the Human Body ¹	4
HHP 124B Introduction to the Human Body – Computer Lab ¹	1
HIT 117B Medical Terminology I	1
TOTAL CREDITS	9-11

SECOND 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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
EMS 145B Essentials of Paramedic Medicine	3
EMS 171B Prehospital Trauma Life Support (PHTLS)	1
EMS 172B Vehicle Extraction for Paramedics	2
TOTAL CREDITS	6

FOURTH 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 I	1
TOTAL CREDITS	16

FIFTH SEMESTER	Credits
EMS 173B Paramedic Field Internship	3
TOTAL CREDITS	3

DEGREE PLAN TOTAL CREDITS..... **49-51**¹BIOL 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 (CoA)

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.

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete English Composition (see courses previous page)	3-5
COM 101 Oral Communication	3
TOTAL CREDITS	9-11

SECOND SEMESTER	Credits
COT 101B Computer Keyboarding I	3
HIT 117B Medical Terminology	1
IS 101 Introduction to Information Systems	3
TOTAL CREDITS	7

THIRD SEMESTER	Credits
PHAR 100B Introduction to Pharmacy Practice	3
PHAR 101B Pharmacy Techniques	4
PHAR 105B Pharmaceutical Math for Technicians	3
PHAR 110B Pharmacology I	3
TOTAL CREDITS	13

FOURTH SEMESTER	Credits
PHAR 115B Pharmacology II	3
PHAR 120B Pharmacy Microcomputers	2
PHAR 126B Pharmacy Technician Practicum	7
TOTAL CREDITS	12

DEGREE PLAN TOTAL CREDITS.....**41-43**

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.
 - 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 (35 CREDITS)

MATHEMATICS (3 credits)

Recommended: MATH 120 Fundamentals of College Mathematics

ENGLISH COMPOSITION (6-8 credits)

See AA/AB/AS policy p. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (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)

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.

Recommended: WMST 113 - Completing this course will also count toward completing the Social Science requirement.

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

CORE REQUIREMENTS (4-6 credits)

PHIL 101	Introduction to Philosophy	3
PHIL 295	Topical Issues in Philosophy	1-3

ELECTIVES (choose 9 PHIL credits)

PHIL
See a counselor to select courses

FINE ARTS

6
ART; DAN 101; MUS; THTR

HUMANITIES

6
COM 101; ENG 223 or above; HIST; International Languages 111 or above

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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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 ¹ (see courses previous page)	3
Complete Humanities ² (see courses previous page)	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Natural Sciences (no lab-see courses previous page)	3
Complete Social Science ¹ (see courses previous page)	3
PSC 101 Introduction to American Politics	4
PHIL 101 Introduction to Philosophy	3
TOTAL CREDITS	16

THIRD SEMESTER	Credits
Complete Natural Sciences (with lab-see courses previous page)	4
Complete Social Science ¹ (see courses previous page)	3
PHIL 295 Topical Issues in Philosophy	1-3
Complete Electives ³	3
Complete AA/AB/AS Fine Arts p. 46	3
TOTAL CREDITS	14-16

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete Electives ³	6
Complete AA/AB/AS Fine Arts p. 46	3
Complete Humanities ² (see courses previous page)	3
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-64**

¹Completing WMST 113 as a Social Science elective would also cover the Values and Diversity general education requirement.

²If 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.

³Must be a PHIL 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; HMS 135B, 265B; 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. 47 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	Intermediate Photography	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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete English Composition (see courses this page)	3
PHO 101B Beginning Photography	3
PHO 102B Digital Photographic Imaging I	3
TOTAL CREDITS	9

SECOND SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
PHO 103B Intermediate Photography	3
Complete Electives (see courses this page)	3
TOTAL CREDITS	13-15

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
TOTAL CREDITS	13

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
TOTAL CREDITS	9

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
TOTAL CREDITS	13-14

SIXTH SEMESTER	Credits
PHO 295B Portfolio	2
Complete Electives (see courses this page)	1
TOTAL CREDITS	3

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹PSC 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.
 - 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; HMS 135B, 265B; 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. 47 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12

SECOND SEMESTER	Credits
Complete Mathematics (see courses this page)	3
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
VID 101B Film Directing Styles	3
VID 115B Video Editing I	3
VID 200B Cinematography I	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete Fine Arts/Humanities/Social Science (see courses this page)	3
VID 210B Videography and Film II	3
Complete Electives (see courses this page) ²	3
TOTAL CREDITS	9

FIFTH SEMESTER	Credits
Complete Natural Science (see courses this page)	3-4
Complete Electives (see courses this page)	2
TOTAL CREDITS	5-6

SIXTH SEMESTER	Credits
VID 290B Video Portfolio	3
TOTAL CREDITS	3

DEGREE PLAN TOTAL CREDITS..... **60-63**

¹PSC 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.

²VID 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.
 - 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. 45 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; International Languages 111 or above; PHIL

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
ENG 100 or 101 or 113	3-5
MATH 128 or 181 ¹	4
COM 101 Oral Communication	3
CHEM 121 General Chemistry I	4
TOTAL CREDITS	14-16

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Humanities ² (see courses previous page)	3
Complete Electives ³ (see courses this page)	4
PHYS 151; or PHYS 180 and 180L	4
TOTAL CREDITS	14

THIRD SEMESTER	Credits
Complete Social Science (see courses previous page)	6
See AA/AB/AS Fine Arts p. 46	3
Complete Electives ³ (see courses previous page)	4
Complete Electives ⁴ (see courses previous page)	3
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
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 ⁴ (see courses previous page)	6
TOTAL CREDITS	16

DEGREE PLAN TOTAL CREDITS..... **60-62**

¹Students 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.

²Use the course list that follows “COM 101 and one course from the following”

³Choose 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, email: 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. 46 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. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
MATH 116 Technical Mathematics	3
Complete AAS English Composition p. 46	3-5
Complete Natural Science ¹ (see courses previous page)	5-8
PT 100 Introduction to Physical Therapy	3
TOTAL CREDITS	14-19

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
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
TOTAL CREDITS	14

FIFTH SEMESTER	Credits
Complete AAS US/Nevada Constitutions ² p. 47	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
TOTAL CREDITS	14-16

DEGREE PLAN TOTAL CREDITS..... **72-79**

¹BIOL 223 has a prerequisite of BIOL 189 with a C or better; and BIOL 224 has a prerequisite of BIOL 223.

²PSC 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: PSC-CT

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*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
PSC 101 Introduction to American Politics	4
PSC 251 Introduction to Campaign Management	3
Complete Electives (see courses this page)	6
TOTAL CREDITS	16-18

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
TOTAL CREDITS	15

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.
 - 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. 45 for courses (must earn a C or better)

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 for courses

HUMANITIES (3 credits)

Required: COM 101 Oral Communications

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete AA/AS/AB Natural Science ¹ (with lab) p. 46	3-4
HIST 101 or 111	3
PSC 101 Introduction to American Politics	4
Complete Electives ² (see courses previous page)	3
TOTAL CREDITS	16-17

THIRD SEMESTER	Credits
Complete AA/AB/AS Natural Science (no lab) p. 46	3
HIST 102 or 217	3
PSC 211 Introduction to Comparative Politics	3
Complete Electives ² (see courses previous page)	6
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
See AA/AB/AS Literature p. 45	3
See AA/AB/AS Fine Arts p. 46	3
PSC 231 Introduction to International Politics	3
PSC 297 Capstone in Political Science	2
Complete Electives ² (see courses previous page)	3
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **60-63**¹Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.²Completing PSC 201 as one of your Electives will also cover the Values and Diversity general education requirement.

Practical Nursing

CERTIFICATE OF ACHIEVEMENT (CoA)

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.

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.
 - 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 (CoA)

REQUIRED CREDITS: 44

LIMITED ENTRY
DEGREE CODE: PRN-CT**FULL-TIME STUDENT DEGREE PLAN***Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER¹	Credits
NURS 130 Nursing Assistant ²	(6)
HHP 123B Introduction to the Human Body ³	4
HHP 124B Introduction to the Human Body Computer Lab ³	1
PN 100L Practical Nursing Learning Lab	1
TOTAL CREDITS	6(12)

SECOND SEMESTER	Credits
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
TOTAL CREDITS	12-14

THIRD SEMESTER	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
PN 106B Family Nursing	3
PN 108B Practical Nursing II	4
PN 110B Practical Nursing Seminar/Management Concepts	4
TOTAL CREDITS	11

DEGREE PLAN TOTAL CREDITS.....**44(50) - 46(52)**

¹Prior 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.

²Completion 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.

³BIOL 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 (CoA)

REQUIRED CREDITS: 44

LIMITED ENTRY
DEGREE CODE: PRNMMC-C

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 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 credits)

Required: ENG 101 Composition I

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

Military Medical Course(s)	26
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

PREREQUISITES¹	Credits
Military Medical Courses	
Submit official transcripts indicating basic military medical training ²	26
Gen. Ed. Communications Requirement	
ENG 101 Composition I ³	3
TOTAL CREDITS	29

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS.....**44**

¹Meet with the Practical Nursing Program Director.

²Submit official transcripts indicating completion of basic military medical training (26 credits).

³Submit official transcripts indicating completion of ENG 101 or complete ENG 101 (3 Credits).

NOTE: Prior to graduation:

- Interview with ADN Program Director regarding bridge (optional).
- 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).
- Start LPN to RN Program after completing required prerequisites (optional).

- 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.
 - 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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; International Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 for courses

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

See AA/AB/AS policy p. 46 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 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 International 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Natural Science ¹ (With Lab – see courses previous page)	3-4
Complete AA/AB/AS Analytical Reasoning p. 45	3
PSY 200 Introduction to the Psychology Major	1
PSY 210 Introduction to Statistical Methods	4
TOTAL CREDITS	14-15

THIRD SEMESTER	Credits
Complete AA/AB/AS Fine Arts p. 46	3
Complete AA/AB/AS US/Nevada Constitutions ² p. 46	4-6
PSY 240 Introduction to Research Methods	3
Complete Electives (see courses previous page)	6
TOTAL CREDITS	16-18

FOURTH SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete Humanities ³ (see courses previous page)	3
PSY 298 Capstone Course	1
Complete Electives (see courses previous page)	8
TOTAL CREDITS	15

DEGREE PLAN TOTAL CREDITS..... **60-65**¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.²PSC 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.³Under 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. 46 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, 135B, 265B; 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
BIOL 223 Human Anatomy and Physiology I	4
EGG 131 and EGG 131L; or PHYS 110 or above	4
TOTAL CREDITS	14-16
SECOND SEMESTER	Credits
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
TOTAL CREDITS	16
THIRD SEMESTER	Credits
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
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
RDTP 232 Clinical Practicum III	3
TOTAL CREDITS	3
FIFTH SEMESTER	Credits
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
TOTAL CREDITS	17
SIXTH SEMESTER	Credits
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
TOTAL CREDITS	16
DEGREE PLAN TOTAL CREDITS	82-84



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. 46 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; International 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. 47 for courses

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

CORE REQUIREMENTS (36 credits)

BUS 101	Introduction to Business	3
FT 125	Building Construction for Fire Protection	3
IS 101	Introduction to Information Systems	3
RE 101	Real Estate Principles	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

Choose one from the following (3 credits)

MKT 210	Marketing Principles	3
RE 102B	Real Estate Math	3

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 Mathematics (see courses this page)	3
Complete AAS English Composition p. 46	3-5
Complete Communications (see courses this page)	3
Complete Human Relations (see courses this page)	3
IS 101 Introduction to Information Systems	3
TOTAL CREDITS	15-17

SECOND SEMESTER

	Credits
Complete AAS US/Nevada Constitutions ¹ p. 47	4-6
BUS 101 Introduction to Business	3
FT 125 Building Construction for Fire Protection	3
RE 101 Real Estate Principles	3
MKT 210 or RE 102B	3
TOTAL CREDITS	16-18

THIRD SEMESTER

	Credits
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
TOTAL CREDITS	15

FOURTH SEMESTER

	Credits
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
TOTAL CREDITS	15

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

¹PSC 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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: RE-CT

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, 135B, 265B; 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

	Credits
FIRST SEMESTER	
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
TOTAL CREDITS.....	12-14
SECOND SEMESTER	
RE 103 Real Estate Law and Practice	3
RE 199 Real Estate Investments	3
RE 202 Real Estate Financing and Licensure	3
TOTAL CREDITS.....	9
THIRD SEMESTER	
RE 203B Tax Aspects of Real Property Transactions	3
RE 205B Real Property Management	3
RE 206 Real Estate Appraising	3
TOTAL CREDITS.....	9
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.
 - 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: RTLMGT-CT

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

Choose one from the following (3 credits)

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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	12
SECOND SEMESTER	Credits
BUS 109B Business Mathematics	3
MGT 201 Principles of Management	3
ACC 135B or ACC 201	3
TOTAL CREDITS	9
THIRD SEMESTER	Credits
MGT 283 Introduction to Human Resources Management	3
MKT 127 Introduction to Retailing	3
MKT 210 Marketing Principles	3
TOTAL CREDITS	9
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.
 - 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.
- Develop an understanding of 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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 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; International Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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. See page 46 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)**CORE REQUIREMENTS (3 credits)**

SOC 289 Applied Skills in Sociology 3

Elective #1 (3 credits)

SOC 101 Principles of Sociology 3

SOC 101H Principles of Sociology – Honors 3

SOC 102 Contemporary Social Issues 3

Elective #2 (6-7 credits)

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

Elective #3 (choose 6-7 credits)

Choose from each group

Group 1

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

Group 2

COM 217; ENG 107, 205; JOUR 102; PHIL 102; SOC

NOTE: SOC 207, 210, 240; and 241 may only be counted once.

SOCIAL SCIENCE ELECTIVES

6

(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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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
Complete Elective #1 (see courses previous page)	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete Humanities ¹ (see courses previous page)	3
Complete Natural Science (With Lab – see courses previous page)	3-4
Complete AA/AS/AB Fine Arts p. 46	3
Complete Elective #2 (see courses previous page)	3-4
TOTAL CREDITS	15-17

THIRD SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Analytical Reasoning p. 45	3
HIST 101 or HIST 111	3
Complete Elective #2 (see courses previous page)	3-4
Complete Elective #3 (see courses previous page)	3-4
TOTAL CREDITS	15-17

FOURTH SEMESTER	Credits
HIST 102 or HIST 217	3
Complete Social Science Electives (see courses previous page)	6
Complete Elective #3 (see courses previous page)	3-4
SOC 289 Applied Skills in Sociology	3
TOTAL CREDITS	15-16

DEGREE PLAN TOTAL CREDITS..... **60-67**

¹Under 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: 61.5

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) 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 (34.5 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	3
SRGT 210B	Clinical Practicum 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.
 - 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: 61.5

LIMITED ENTRY

DEGREE CODE: SURG-AAS

FULL-TIME STUDENT DEGREE PLAN*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
BIOL 189 Fundamentals of Life Science ¹	(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
TOTAL CREDITS	14 (17) - 16 (19)

SECOND SEMESTER	Credits
COM 101 Oral Communication	3
PSY 101 General Psychology	3
BIOL 224 Human Anatomy and Physiology II	4
Complete US/NV Constitutions ² (see courses previous page)	4-6
SRGT 101B Introduction to Surgery Technology	1
TOTAL CREDITS	15-17

THIRD SEMESTER	Credits
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
TOTAL CREDITS	16

FOURTH SEMESTER	Credits
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	3
TOTAL CREDITS	14.5

FIFTH SEMESTER	Credits
SRGT 210B Clinical Practicum II	2
TOTAL CREDITS	2

DEGREE PLAN TOTAL CREDITS..... **61.5 (64.5) - 65.5 (68.5)**¹BIOL 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.²PSC 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 is designed for students who wish to pursue a career in Theatre. Courses of study include acting, voice, movement, stage combat, audition technique, directing, playwriting, play structure, text analysis, theatrical design, drafting, construction, and performance.

STUDENT LEARNING OUTCOMES

- Identify Theatre vocabulary through reading, research, and practical application.
- Develop assessment tools through script analysis, collaborative discussion, and practical application.
- Explain the impact of acting, directing, scenery, lights, and costuming on a theatrical production.
- Execute basic production processes in the areas of acting, stage combat, design, and technical operations related to production.
- Prepare for continued study and transfer into a four-year degree program in Theatre.

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. 45 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: ANTH 102 and BIOL 122

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)**CORE REQUIREMENTS (18 credits)**

THTR 199	Play Structure and Analysis	3
THTR 204	Theatre Technology I	3
THTR 228	Voice and Diction for the Stage I	3
THTR 229	Movement for the Stage	3
THTR 231	Acting Studio I: Technique	3
THTR 235	Design Aesthetics and Drafting for the Theatre	3
THTR 275	Theatre Seminar	0

Elective #1 (6 credits)

THTR 108	Introduction to Playwriting	3
THTR 133	Fundamentals of Directing	3
THTR 214	Theatre Technology II	3
THTR 245	Basic Stage Combat	3
THTR 280	Acting Studio I: Audition	3

Elective #2 (2 credits)

THTR 208A	Acting Practicum	2
THTR 208C	Costume Construction Practicum	2
THTR 208D	Scenery Construction Practicum	2
THTR 208E	Special Topics Practicum	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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
MATH 120 Fundamentals of College Mathematics	3
ENG 100 or 101 or 113	3-5
Complete Social Science (see courses previous page)	3
THTR 199 Play Structure and Analysis	3
THTR 204 Theatre Technology I	3
THTR 275 Theatre Seminar	0
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
PHIL 102 Reasoning and Critical Thinking	3
THTR 229 Movement for the Stage	3
THTR 231 Acting Studio I: Technique	3
THTR 275 Theatre Seminar	0
Complete Elective #2 (see courses previous page)	2
TOTAL CREDITS	14

THIRD SEMESTER	Credits
ENG 223 Themes of Literature	3
BIOL 122 Desert Plants ¹	3
Complete Social Science (see courses previous page)	3
THTR 228 Voice and Diction for the Stage I	3
THTR 275 Theatre Seminar	0
Complete Elective #1 (see courses previous page)	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
ANTH 102 Introduction to Physical Anthropology	3
Complete Social Science (see courses previous page)	3
PSC 101 Introduction to American Politics	4
THTR 235 Design Aesthetics and Drafting for the Theatre	3
THTR 275 Theatre Seminar	0
Complete Elective #1 (see courses previous page)	3
TOTAL CREDITS	16

DEGREE PLAN TOTAL CREDITS..... **60-62**¹This course is only offered in the spring semester.

Concierge Management

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: HMDCON-CT

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

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
TCA 100B 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
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
FAB 271 Wine Appreciation ¹	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
TOTAL CREDITS	15
DEGREE PLAN TOTAL CREDITS	30-32

¹Minimum 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.
 - 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 or 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. 46 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; 135B, 265B; 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. 47 for courses

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

See AAS policy p. 47 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
Complete AAS English Composition p.46	3-5
Complete Communications (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science p.46	3
TCA 141 Travel and Tourism I	3
TCA 241 Travel and Tourism II	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

THIRD SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete AAS US/NV Constitutions ¹ p.47	4-6
FAB 285 Catering Management	3
TCA 289 Introduction to Corporate Meetings and Events	3
Complete Electives (see courses previous page)	3
TOTAL CREDITS	16-18

FOURTH SEMESTER	Credits
Complete Human Relations (see courses previous page)	3
TCA 251 Tourism and Convention Externship	3
Complete Electives (see courses previous page)	9
TOTAL CREDITS	15

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

¹PSC 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 (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: TRVTCEP-CT

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

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
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
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
TOTAL CREDITS	15

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.
 - 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. 46 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.
 - 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
See AAS English Composition p. 46	3-5
ALS 101 College Success	3
BIOL 189 Fundamentals of Life Science	4
TOTAL CREDITS	10-12
SECOND SEMESTER	Credits
COM 101 Oral Communication	3
BIOL 251 General Microbiology	4
PSY 101 General Psychology	3
TOTAL CREDITS	10
THIRD SEMESTER	Credits
MATH 104B Applied Mathematics	3
PSC 101 Introduction to American Politics ²	4
TOTAL CREDITS	7
FOURTH SEMESTER	Credits
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
TOTAL CREDITS	8
FIFTH SEMESTER	Credits
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
TOTAL CREDITS	15
SIXTH SEMESTER	Credits
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
TOTAL CREDITS	11
SEVENTH SEMESTER	Credits
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
TOTAL CREDITS	13
DEGREE PLAN TOTAL CREDITS	74-76

¹It 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.

²US/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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER **Credits**

Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 46	3-5
WWT 110B Introduction to Hazardous Materials Management	3
WWT 120B Pump Operation and Maintenance	3
WWT 101B Wastewater Treatment I	3

TOTAL CREDITS 15-17

SECOND SEMESTER **Credits**

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

TOTAL CREDITS 15

THIRD SEMESTER **Credits**

AIT 205B Industry Customer Service	1
IS 100B or IS 101	0-3

TOTAL CREDITS 1-4

FOURTH SEMESTER **Credits**

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

TOTAL CREDITS 16

FIFTH SEMESTER **Credits**

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

TOTAL CREDITS 13

DEGREE PLAN TOTAL CREDITS..... 60-65

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: WWTWAS-CT

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
Choose one from the following (0-3 credits)		
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
WWT 101B Wastewater Treatment I ¹	3
WWT 120B Pump Operation and Maintenance ¹	3
WWT 220B Water Quality Analysis ²	4
TOTAL CREDITS	13

SECOND SEMESTER	Credits
WWT 115B Water/Wastewater Mathematics ³	3
WWT 225B Wastewater Collection Systems ⁴	3
WWT 230B Current Issues ⁵	3
WWT 102B Wastewater Treatment II ⁵	3
TOTAL CREDITS	12

THIRD SEMESTER	Credits
WWT 215B Water/Wastewater Mathematics ¹	3
WWT 201B Wastewater Treatment III ⁶	3
IS 100B or IS 101	0-3
TOTAL CREDITS	6-9

DEGREE PLAN TOTAL CREDITS..... **31-34**

¹This course offered in the Fall only.

²This course offered in the Fall only; prereq of WWT 102B and WWT 115B.

³This course offered in the Spring only; coreq of Math 104B and prereq of WWT 101B or 105B.

⁴This course offered in the Spring only; prereq of WWT 215B.

⁵This course offered in the Spring only.

⁶This 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.
 - 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. 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER Credits

Complete Mathematics (see courses this page)	3
Complete AAS English Composition p. 46	3-5
WWT 110B Introduction to Hazardous Materials Management	3
WWT 120B Pump Operation and Maintenance	3
WWT 105B Water Treatment Operations I	3
TOTAL CREDITS	15-17

SECOND SEMESTER Credits

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 106B Water Treatment Operations II	3
TOTAL CREDITS	15

THIRD SEMESTER Credits

AIT 205B Industry Customer Service	1
IS 100B or IS 101	0-3
TOTAL CREDITS	1-4

FOURTH SEMESTER Credits

ALS 101 or MGT 100B	3
WWT 210B Industrial Pretreatment Inspections	3
WWT 215B Water/Wastewater Mathematics	3
WWT 220B Water Quality Analysis ¹	4
WWT 205 Water Distribution	3
TOTAL CREDITS	16

FIFTH SEMESTER Credits

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
TOTAL CREDITS	13

DEGREE PLAN TOTAL CREDITS..... 60-65

¹Prerequisite WWT 102B and WWT 115B

- 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.
 - 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 (CoA)

REQUIRED CREDITS: 31

DEGREE CODE: WWTWAT-CT

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
Choose one from the following (0-3 credits)		
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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
COM 115 Applied Communication	3
WWT 120B Pump Operation and Maintenance ¹	3
WWT 220B Water Quality Analysis ²	4
WWT 105B Water Treatment Operations I1	3
TOTAL CREDITS	13
SECOND SEMESTER	Credits
WWT 115B Water/Wastewater Mathematics ³	3
WWT 225B Wastewater Collection Systems ⁴	3
WWT 230B Current Issues ⁵	3
WWT 106B Water Treatment Operations II ⁵	3
TOTAL CREDITS	12
THIRD SEMESTER	Credits
WWT 215B Water/Wastewater Mathematics ¹	3
WWT 205B Water Distribution ¹	3
IS 100B or IS 101	0-3
TOTAL CREDITS	6-9
DEGREE PLAN TOTAL CREDITS	31-34

¹This course offered in the Fall only.

²This course offered in the Fall only; prereq of WWT 102B and WWT 115B.

³This course offered in the Spring only; coreq of Math 104B and prereq of WWT 101B or 105B.

⁴This course offered in the Spring only; prereq of WWT 215B.

⁵This 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.
 - 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: 66

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 (25 CREDITS)**MATHEMATICS (3 credits)**

MATH 120 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)

See AAS policy p. 46 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, 135B, 265B; 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; International 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 (41 CREDITS)

IS 101	Introduction to Information Systems	3
MT 102B	Fundamentals of Electricity	4
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.
 - 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: 66

DEGREE CODE: WELDADVAAS

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 Mathematics (see courses previous page)	3
Complete AAS English Composition p. 46	3-5
MT 102B Fundamentals of Electricity	4
WELD 115B Welding Inspection and Testing Principles	3
WELD 135B GMAW (Mig)	2
TOTAL CREDITS	15-17
SECOND SEMESTER	Credits
Complete Communications (see courses previous page)	3
Complete Human Relations (see courses previous page)	3
WELD 131B Blueprint Reading, Layout, and Sketching	3
WELD 132B Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations	2
WELD 137B FCAW (Flux Core)	2
WELD 154B DI.1 Structural Welding Code	3
TOTAL CREDITS	16
THIRD SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete Fine Arts/Humanities/Social Science (see courses previous page)	3
IS 101 Introduction to Information Systems	3
WELD 133B SMAW (Stick)	4
WELD 214B Fabrication Layout	3
TOTAL CREDITS	16
FOURTH SEMESTER	Credits
Complete Natural Science (see courses previous page)	3
Complete US/Nevada Constitutions (see courses previous page)	4-6
WELD 134B GTAW (Tig)	4
WELD 218B Pipe Welding Procedures	4
WELD 240B Advanced GTAW	4
TOTAL CREDITS	19-21
DEGREE PLAN TOTAL CREDITS	66-70



Welding Technology - Entry Level Welder

CERTIFICATE OF ACHIEVEMENT (CoA)

REQUIRED CREDITS: 30

DEGREE CODE: WELDENT-CT

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 (3 CREDITS)

COMMUNICATIONS (3-5 credits)

ENG 100 or 101 or 107 or 113

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

ALS 101	College Success	3
MATH 116	Technical Mathematics	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

Computation included in MATH 116

Human Relations included in ALS 101

FULL-TIME STUDENT DEGREE PLAN

Plan can be modified to fit the needs of part-time students by adding more semesters.

	Credits
FIRST SEMESTER	
ALS 101 College Success	3
MT 102 Fundamentals of Electricity	4
TOTAL CREDITS	7
SECOND SEMESTER	
Complete Communications (see courses this page)	3-5
WELD 131B Blueprint Reading, Layout and Sketching	3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2
TOTAL CREDITS	8-10
THIRD SEMESTER	
MATH 116 Technical Mathematics	3
WELD 133B SMAW (Stick)	4
WELD 135B GMAW (Mig)	2
TOTAL CREDITS	9
FOURTH SEMESTER	
WELD 134B GTAW (Tig)	4
WELD 137B FCAW (Flux Core)	2
TOTAL CREDITS	6
DEGREE PLAN TOTAL CREDITS	30-32

- 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.
 - 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. 45 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. 46 for courses

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 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.
 - 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*Plan can be modified to fit the needs of part-time students by adding more semesters.*

FIRST SEMESTER	Credits
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. 46	3
Complete AA/AB/AS Fine Arts p. 46	3
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete AA/AS/AB Natural Science ¹ (with lab) p. 46	3-4
PSC 101 Introduction to American Politics	4
WMST 101 Introduction to Women's Studies ²	3
Complete Social Science (see courses previous page)	3
TOTAL CREDITS	16-17

THIRD SEMESTER	Credits
ENG 231 or 232 ²	3
COM 101 Oral Communication	3
WMST 113 Gender, Race and Class ²	3
Complete Electives ³ (see courses previous page)	3
Complete Social Science (see courses previous page)	3
TOTAL CREDITS	15

FOURTH SEMESTER	Credits
Complete Humanities ⁴ (see courses previous page)	3
WMST 295 Special Topics	2-3
Complete Electives ³ (see courses this page)	6
Complete Social Science (see courses previous page)	3
TOTAL CREDITS	14-15

DEGREE PLAN TOTAL CREDITS..... **60-64**¹Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.²Course also covers the Values and Diversity general education requirement.³Must be a WMST course NOT already used to satisfy other areas of this degree.⁴Use the course list that follows "COM 101 and one course from the following"

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. 45 for courses

LITERATURE (3 credits)

See AA/AB/AS policy p. 45 for courses

ANALYTICAL REASONING (3 credits)

See AA/AB/AS policy p. 45 for courses

NATURAL SCIENCE (6-7 credits)

See AA/AB/AS policy p. 46 for courses

HUMANITIES (6 credits)

COM 101; **and** one course from the following: ENG 223 or above; HIST; International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)

See AA/AB/AS policy p. 46 for courses

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

See AA/AB/AS policy p. 46 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 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER	Credits
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
TOTAL CREDITS	15-17

SECOND SEMESTER	Credits
ENG 102 or 114	3
Complete AA/AB/AS Analytical Reasoning p. 45	3
Complete AA/AB/AS Natural Science (No Lab) p. 46	3
Complete AA/AB/AS US/Nevada Constitutions ¹ p. 46	4-6
Complete Social Science Electives (see courses this page)	3
TOTAL CREDITS	16-18

THIRD SEMESTER	Credits
Complete AA/AB/AS Literature p. 45	3
Complete AA/AB/AS Natural Science ² (With Lab) p. 46	3-4
Complete Electives (see a counselor to select courses)	9
TOTAL CREDITS	15-16

FOURTH SEMESTER	Credits
Complete Humanities ³ (see courses this page)	3
Complete AA/AB/AS Fine Arts p. 46	3
Complete Electives (see a counselor to select courses)	8
TOTAL CREDITS	14

DEGREE PLAN TOTAL CREDITS..... **60-65**

¹PSC 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.

²Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

³Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and...”

- 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.
 - 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; International 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 page 46 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

Plan can be modified to fit the needs of part-time students by adding more semesters.

FIRST SEMESTER **Credits**

Complete Mathematics (see courses this page)	3
ENG 100 or 101 or 113	3-5
Complete Electives ¹ (see courses this page)	9
TOTAL CREDITS	15-17

SECOND SEMESTER **Credits**

Complete Communications ² (see courses this page)	3
Complete Fine Arts (see courses this page)	3
Complete Electives ¹ (see courses this page)	9
TOTAL CREDITS	15

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 ¹ (see courses this page)	6
TOTAL CREDITS	15

FOURTH SEMESTER **Credits**

Complete US/Nevada Constitutions ³ (see courses this page)	4-6
Complete Electives ¹ (see courses this page)	11
TOTAL CREDITS	15-17

DEGREE PLAN TOTAL CREDITS..... **60-64**

¹It is recommended students complete ALS 101 and READ 135 as part of their Special Program Elective Requirements.

²Under the "Communications" heading on the General Education Requirements side, select from the choices that follow the sentence fragment, "and one of the following..."

³PSC 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**
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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.
 - 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.

