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. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108, COM 101, 102, 215; ENG 102, 114, 205; JOUR 102

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (3 credits)
AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
# Accounting

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 61**  
**DEGREE CODE: ACC-AAS**

## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses and Descriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>ACC 105 Taxation for Individuals</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
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</tr>
<tr>
<td>ACC 202 Managerial Accounting</td>
<td>3</td>
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<tr>
<td>ACC 220 Microcomputer Accounting Systems</td>
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</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
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<tr>
<td><strong>THIRD SEMESTER</strong></td>
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<td></td>
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<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
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<tr>
<td>ACC 203 Intermediate Accounting I</td>
<td>3</td>
<td></td>
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<tr>
<td>BUS 273 Business Law I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>FIN 101 Personal Finance</td>
<td>3</td>
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</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
<td></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
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<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions3 p. 49</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>ACC 204 Intermediate Accounting II</td>
<td>3</td>
<td></td>
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<tr>
<td>ACC 205 Cost Accounting</td>
<td>3</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
<td></td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
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<tr>
<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
<td><strong>61-65</strong></td>
<td></td>
</tr>
</tbody>
</table>

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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 (CA)

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

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.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER
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
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
• Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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)

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>CREDITS</th>
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<tbody>
<tr>
<td>MATHEMATICS (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Recommended: MATH 104B Applied Mathematics</td>
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</tr>
<tr>
<td>ENGLISH COMPOSITION (3-5 credits)</td>
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<tr>
<td>ENG 100 or 101 or 107 or 113</td>
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</tr>
<tr>
<td>COMMUNICATIONS (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Recommended: COM 115 Applied Communication</td>
<td></td>
</tr>
<tr>
<td>HUMAN RELATIONS (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Recommended: ALS 101 College Success</td>
<td></td>
</tr>
<tr>
<td>NATURAL SCIENCE (3 credits)</td>
<td>3</td>
</tr>
<tr>
<td>Recommended: ENV 101 Introduction to Environmental Science</td>
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</tr>
<tr>
<td>FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)</td>
<td>3</td>
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<tr>
<td>Recommended: GEOG 106 World Geography</td>
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</tr>
<tr>
<td>U.S. AND NEVADA CONSTITUTIONS (4-6 credits)</td>
<td>4-6</td>
</tr>
<tr>
<td>Recommended: PSC 101 Introduction to American Politics</td>
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</table>

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td>CORE REQUIREMENTS (30 credits)</td>
<td></td>
</tr>
<tr>
<td>AC 102B Introduction to HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 103B Introduction to HVAC Mechanical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 106B Residential Gas Heating</td>
<td>5</td>
</tr>
<tr>
<td>AC 110B Intermediate HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 111B Heat Pumps</td>
<td>5</td>
</tr>
<tr>
<td>AC 115B Troubleshooting</td>
<td>5</td>
</tr>
<tr>
<td>Choose five credits from the following</td>
<td></td>
</tr>
<tr>
<td>AC 200B Commercial Refrigeration I</td>
<td>5</td>
</tr>
<tr>
<td>AC 210B Boiler Operation and Maintenance</td>
<td>5</td>
</tr>
<tr>
<td>AC 220B Chiller Operations and Maintenance</td>
<td>5</td>
</tr>
<tr>
<td>Choose six credits from the following</td>
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<tr>
<td>AC 114B Heat Load and Duct Design</td>
<td>5</td>
</tr>
<tr>
<td>AC 116B Copper Fundamentals</td>
<td>1</td>
</tr>
<tr>
<td>AC 119B Professionals in Customer Service</td>
<td>1.5</td>
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<tr>
<td>AC 120B Air Conditioning Duct Work Fabrication</td>
<td>3</td>
</tr>
<tr>
<td>AC 201B HVAC Automatic Controls</td>
<td>3</td>
</tr>
<tr>
<td>AC 202B Commercial Refrigeration II</td>
<td>5</td>
</tr>
<tr>
<td>AC 210B Boiler Operation and Maintenance</td>
<td>5</td>
</tr>
<tr>
<td>AC 212B Equipment Cooling</td>
<td>5</td>
</tr>
<tr>
<td>AC 220B Chiller Operations and Maintenance</td>
<td>5</td>
</tr>
<tr>
<td>AC 221B Gas Heat Pump Technology I</td>
<td>5</td>
</tr>
<tr>
<td>CADD 100 Introduction to Computer Aided Drafting</td>
<td>3</td>
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<tr>
<td>CONS 120B Construction Plans and Specifications</td>
<td>3</td>
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<tr>
<td>Choose one from the following (0-3 credits)</td>
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<tr>
<td>IS 100B Core Computing Competency</td>
<td>0</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

See Degree Plan on next page.

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 104B Applied Mathematics</td>
<td>3</td>
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<tr>
<td>ENG 100 or 101 or 107 or 113</td>
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</tr>
<tr>
<td>AC 102B Introduction to HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 103B Introduction to HVAC Mechanical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
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</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
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<tr>
<td>ENV 101 Introduction to Environmental Science</td>
<td>3</td>
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<tr>
<td>AC 106B Residential Gas Heating</td>
<td>5</td>
</tr>
<tr>
<td>AC 110B Intermediate HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
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<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>ALS 101 College Success</td>
<td>3</td>
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<tr>
<td>GEOG 106 World Geography</td>
<td>3</td>
</tr>
<tr>
<td>AC 111B Heat Pumps</td>
<td>5</td>
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<tr>
<td>AC 200B or 210B or 220B</td>
<td>5</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
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<tr>
<td>AC 115B Troubleshooting</td>
<td>5</td>
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<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
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<tr>
<td>Complete &quot;Choose six credits from the following&quot; (see courses previous page)</td>
<td>6</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-18</strong></td>
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</table>

DEGREE PLAN TOTAL CREDITS: **63-68**
DESCRIPTION
The Air Conditioning Technology Program is an 18-month course of study that prepares students to install, maintain, service, troubleshoot, and repair residential heating and cooling systems. Additionally, this program includes commercial refrigeration, allowing the student to learn how to maintain, troubleshoot, and repair walk-in freezers, ice machines, ice cream machines, and other related machinery. Instruction includes classroom, laboratory, and actual in-the-field hands-on course work.

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

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

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

MATHEMATICS (3 credits)
MATH 104B or 116

COMMUNICATIONS (3-5 credits)
BUS 108; COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR102; THTR 105

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

CORE REQUIREMENTS (30 credits)
AC 102B Introduction to HVAC Electrical Theory and Application 5
AC 103B Introduction to HVAC Mechanical Theory and Application 5
AC 106B Residential Gas Heating 5
AC 110B Intermediate HVAC Electrical Theory and Application 5
AC 111B Heat Pumps 5
AC 115B Troubleshooting 5

Choose 5 credits from the following
AC 200B Commercial Refrigeration I 5
AC 210B Boiler Operation and Maintenance 5
AC 220B Chiller Operations and Maintenance 5

Plus 6 credits from the following
AC 114B Heat Load and Duct Design 5
AC 116B Copper Fundamentals 1
AC 119B Professionals in Customer Service 1.5
AC 120B Air Conditioning Duct Work Fabrication 3
AC 200B Commercial Refrigeration I 5
AC 201B HVAC Automatic Controls 3
AC 202B Commercial Refrigeration II 5
AC 210B Boiler Operation & Maintenance 5
AC 212B Equipment Cooling 5
AC 220B Chiller Operations and Maintenance 5
AC 221B Gas Heat Pump Technology I 5
CADD 100 Introduction to Computer Aided Drafting 3
CONS 120B Construction Plans and Specifications 3

Digital Literacy Elective (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

Computation included in AC 103B
Human Relations included AC 102B

See Degree Plan on next page.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
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# Air Conditioning Technology

**CERTIFICATE OF ACHIEVEMENT (CA)**  
**REQUIRED CREDITS:** 47  
**DEGREE CODE:** AC-CT

## Full-Time Student Degree Plan

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>AC 102B Intro to HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 103B Intro to HVAC Mechanical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>AC 106B Residential Gas Heating</td>
<td>5</td>
</tr>
<tr>
<td>AC 110B Intermediate HVAC Electrical Theory and Application</td>
<td>5</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>AC 111B Heat Pumps</td>
<td>5</td>
</tr>
<tr>
<td>AC 200B or 210B or 220B</td>
<td>5</td>
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<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>AC 115B Troubleshooting</td>
<td>5</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
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**DEGREE PLAN TOTAL CREDITS**  
47-49
AIR CONDITIONING TECHNOLOGY PROGRAM

Air Conditioning Technology - Central Plant
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 62.5
DEGREE CODE: ACTCP-AAS

DESCRIPTION
This program prepares students to install, maintain, service, troubleshoot, and repair central plant industrial heating and cooling systems. The program enables students to learn how to maintain, troubleshoot, and repair boilers, central plant equipment, and other related machinery. Instruction includes classroom, laboratory, and hands-on work in the laboratory or in the field. Along with core classes, academic skills emphasizing related math, science, and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

STUDENT LEARNING OUTCOMES
• Incorporate workforce safety principals while performing basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician.
• Interpret electrical/mechanical schematics on HVAC/R equipment to diagnose mechanical or electrical problems in a residential or light commercial environment.
• Appraise EPA rules, regulations, and refrigerant handling techniques in the performance of HVAC/R duties.
• Diagnose and repair electrical or mechanical problems on central cooling plant equipment; central heating plant equipment.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 107 or 113

COMMUNICATIONS (3 credits)
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Recommended: ALS 101 College Success

NATURAL SCIENCE (3-4 credits)
Recommended: ENV 101 Introduction to Environmental Science

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3-4 credits)
Recommended: GEOG 106 World Geography

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (40.5 CREDITS)

CORE REQUIREMENTS (40.5 credits)
AC 102B Introduction to HVAC Electrical Theory and Application 5
AC 103B Introduction to HVAC Mechanical Theory and Application 5
AC 106B Residential Gas Heating 5
AC 110B Intermediate HVAC Electrical Theory and Application 5
AC 115B Troubleshooting 5
AC 116B Copper Fundamentals 1
AC 119B Professionals in Customer Service 1.5
AC 201B HVAC Automatic Controls 3
AC 210B Boiler Operation and Maintenance 5
AC 220B Chiller Operations and Maintenance 5

Choose one from the following (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

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

FIRST SEMESTER Credits
MATH 104B Applied Mathematics 3
ALS 101 College Success 3
AC 102B Introduction to HVAC Electrical Theory and Application 5
AC 103B Introduction to HVAC Mechanical Theory and Application 5

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 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.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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 - Central Plant

CERTIFICATE OF ACHIEVEMENT (CA)  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 refrigerator 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.

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

FIRST SEMESTER
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
AC 106B Residential Gas Heating 5
IS 100B or IS 101 0-3
TOTAL CREDITS ..........................................................................................10-13

THIRD SEMESTER
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
AC 115B Troubleshooting 1
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.

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

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 104B Applied Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 107 or 113</td>
<td>3-5</td>
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<tr>
<td>AC 102B Introduction to HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>AC 103B Introduction to HVAC Mechanical Theory and Application</td>
<td>5</td>
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<td><strong>TOTAL CREDITS</strong></td>
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SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>MGT 100B Practical Human Relations for Business</td>
<td>3</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electric</td>
<td>4</td>
</tr>
<tr>
<td>GEOG 106 World Geography</td>
<td>3</td>
</tr>
<tr>
<td>AC 110B Intermediate HVAC Electrical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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THIRD SEMESTER

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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AC 119B Professionals in Customer Service</td>
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</tr>
<tr>
<td>AC 201B HVAC Automatic Controls</td>
<td>3</td>
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<tr>
<td>AC 212B Equipment Cooling</td>
<td>5</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
<td>4</td>
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<td><strong>TOTAL CREDITS</strong></td>
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FOURTH SEMESTER

<table>
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<tr>
<th>Course</th>
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<tr>
<td>COM 115 Applied Communication</td>
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<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>AC 115B Troubleshooting</td>
<td>5</td>
</tr>
<tr>
<td>AC 220B or 295B</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17</strong></td>
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**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 (CA) 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

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

Computations included in AC 103B
Human Relations included AC 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.

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

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

FOURTH SEMESTER
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.
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.
Air Conditioning Technology - Food Service Refrigeration
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 62.5
DEGREE CODE: ACTFSR-AAS

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

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 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 (CA) 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

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

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.

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

FIRST SEMESTER Credits
MATH 104B Applied Mathematics 3
AC 102B Introduction to HVAC Electrical Theory and Application 5
AC 103B Introduction to HVAC Mechanical Theory and Application 5
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
AC 202B Commercial Refrigeration II 5
TOTAL CREDITS .............................................................................................10

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

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

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

MATHMATICS (3 credits)
MATH 120 or 123 or above; or STAT 152

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
(Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

HUMANITIES (6 credits)
COM 101; and one course from following: World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 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.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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 PROGRAM**

**ASSOCIATE OF ARTS DEGREE (AA)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: ANTH-AA**

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**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 101 Introduction to Cultural Anthropology</td>
<td>3</td>
</tr>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
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<tr>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science(^1) (With Lab – see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>Complete Humanities(^2) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102 or 105 or 106</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science(^3) (see courses this page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (No Lab – see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions(^4) p. 48</td>
<td>4-6</td>
</tr>
<tr>
<td>ANTH 102 or 105 or 106</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 102 or 105 or 106</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 299 Capstone Course in Anthropology</td>
<td>2</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science(^4) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

**60-65**

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

\(^2\)Use the course list that follows “COM 101 and one course from the following”

\(^3\)Select one course from two different disciplines.

\(^4\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Anthropology – African Culture

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: ANTHAFC-AA

DESCRIPTION

Anthropology is the study of all aspects of humans in all times and in all places. A four-field approach to the study of humanity – including human biological characteristics, culture, language, and the human past – provides students with an evolutionary, holistic, and comparative understanding of human diversity and similarity.

STUDENT LEARNING OUTCOMES

- Differentiate anthropology’s theoretical and methodological approaches from those of other disciplines.
- Describe and compare the four subfields of anthropology – cultural anthropology, archaeology, linguistics, and physical/biological anthropology – including the practice of applied anthropology, historical development, methodologies, theoretical orientations, and the inter-relationships between the subfields.
- Articulate an anthropological perspective in relationship to contemporary issues and concerns.
- Critically evaluate information sources about different peoples and cultures, and demonstrate the ability to think holistically and comparatively in describing human cultural diversity.

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

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or 123 or above; or STAT 152

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
(Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

HUMANITIES (6 credits)
COM 101; and one course from following:
World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 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 101; 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.
## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
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<tbody>
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<td>ENG 100 or 101 or 113</td>
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### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<td>3</td>
</tr>
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<td>Complete Natural Science[^1] (With Lab – see courses previous page)</td>
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</tr>
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</tr>
<tr>
<td>ANTH 102 or 105 or 106</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science[^3] (see courses previous page)</td>
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### THIRD SEMESTER

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<td>Complete Electives (see courses previous page)</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
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</table>

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
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</tr>
<tr>
<td>ANTH 102 or 105 or 106</td>
<td>3</td>
</tr>
<tr>
<td>ANTH 299 Capstone Course in Anthropology</td>
<td>2</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science[^3] (see courses previous page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
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</table>

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

[^1]: Only BIOL 122 Desert Plants completes this requirement at 3 credits and is only offered in the spring semester.
[^2]: Use the course list that follows “COM 101 and one course from the following”
[^3]: Select one course from two different disciplines.
[^4]: PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Cultural Resource Management
CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 30 DEGREE CODE: CRMGT-CT

DESCRIPTION
Cultural resource management (CRM) is the practice of managing and preserving cultural resources through the use of archaeological methods of survey, data collection, excavation, laboratory analysis and curation of cultural materials (artifacts), monitoring sensitive sites and public outreach. CRM archaeologists work with state and federal agencies, museums, and with private firms to ensure compliance with federal and state laws that protect cultural resources on federal and public land. The program is designed to prepare students by teaching them the skills required to obtain employment as entry-level archaeological technicians working in the field, in labs, and for museums.

STUDENT LEARNING OUTCOMES
- Identify and evaluate archaeological sites and artifacts in the field and employ best current practices and methodologies to document them.
- Analyze archaeological materials both in the field and within a laboratory setting.
- Prepare state and federally mandated forms that document archaeological sites.
- Prepare written reports in compliance with federal, state, and local cultural preservation laws.
- Recognize the relationship, responsibilities, and interaction between the archaeologist, the contractor, and government agencies in the development and implementation of research projects and preservation plans.

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

GENERAL EDUCATION REQUIREMENTS (10 CREDITS)

COMMUNICATIONS (3-5 credits)
ENG 100 or 101 or 113

NATURAL SCIENCE (4 credits)
Required: GEOL 101 Geology: Exploring Planet Earth

SOCIAL SCIENCE (3 credits)
Required: ANTH 101 Introduction to Cultural Anthropology

SPECIAL PROGRAM REQUIREMENTS (20 CREDITS)

CORE REQUIREMENTS (17 credits)
ANTH 102 Introduction to Physical Anthropology 3
ANTH 105 Introduction to World Archaeology 3
ANTH 202 Introduction to Archaeology 3
ANTH 218 Introduction to the Archaeology of the Great Basin and the Southwest 3
ANTH 227 Foundations of Archaeological Lab Methods 3
ANTH 290 Internship in Anthropology 1 2

FIELD METHODS ELECTIVE (3 credits)
ANTH 225 Archaeological Field Methods Survey 3
ANTH 226 Archaeological Field Methods Excavation 3

Computation included in ANTH 226 or 227
Human Relations included ANTH 101

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

FIRST SEMESTER Credits
ENG 100 or 101 or 113 3-5
GEOL 101 Geology: Exploring Planet Earth 4
ANTH 101 Introduction to Cultural Anthropology 3
TOTAL CREDITS ............................................................................................10-12

SECOND SEMESTER Credits
ANTH 102 Introduction to Physical Anthropology 3
ANTH 105 Introduction to World Archaeology 3
ANTH 202 Introduction to Archaeology 3
TOTAL CREDITS ..............................................................................................9

THIRD SEMESTER Credits
ANTH 218 Introduction to the Archaeology of the Great Basin and the Southwest 3
ANTH 227 Foundations of Archaeological Lab Methods 3
Complete Field Methods Elective (ANTH 225 or 226) 3
TOTAL CREDITS ..............................................................................................9

FOURTH SEMESTER Credits
ANTH 290 Internship in Anthropology 1
TOTAL CREDITS ..............................................................................................2

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

1Student must complete 2 credits of ANTH 290 (either one 2 credit section or two 1 credit sections).
Forensic Anthropology

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 30

DEGREE CODE: FRANTH-CT

DESCRIPTION
The Forensic Anthropology certificate program provides a foundation in the biological, social, and applied components of forensic activities in which anthropologists engage. The certificate program is designed to prepare students for a variety of pathways leading to careers in forensic anthropology at local and national levels. The program offers students opportunities for practical application of learning within an academic framework.

STUDENT LEARNING OUTCOMES

- Apply core concepts in cultural anthropology, physical anthropology, medical anthropology, and forensic anthropology.
- Demonstrate a working knowledge of human skeletal anatomy.
- Analyze and construct a biological profile.
- Understand the ethical responsibilities expected of forensic anthropology.
- Articulate the role of forensic anthropology in human rights and disaster response.

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

GENERAL EDUCATION REQUIREMENTS (15 CREDITS)

MATHEMATICS (3 credits)
Required: MATH 120 Fundamentals of College Mathematics

COMMUNICATIONS (3-5 credits)
ENG 100 or 101 or 113

HUMAN RELATION (9 credits)
CRJ 104 and PSY 101 and SOC 101

SPECIAL PROGRAM REQUIREMENTS (15 CREDITS)

CORE REQUIREMENTS (14 credits)
ANTH 101 Introduction to Cultural Anthropology 3
ANTH 102 Introduction to Physical Anthropology 3
ANTH 110L Physical Anthropology Lab 1
ANTH 222 Fundamentals of Forensic Anthropology 3
ANTH 228 Health, Healing and Culture 3
ANTH 290 Internship in Anthropology 2

Computation included in MATH 120
Human Relations included in CRJ 104, PSY 101, SOC 101

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
ENG 100 or 101 or 113 3-5
MATH 120 Fundamentals of College Mathematics 3
ANTH 101 Introduction to Cultural Anthropology 3
TOTAL CREDITS ................................................................. 9-11

SECOND SEMESTER Credits
SOC 101 Principles of Sociology 3
PSY 101 General Psychology 3
ANTH 102 Introduction to Physical Anthropology 3
ANTH 110L Physical Anthropology Lab 1
TOTAL CREDITS ................................................................. 10

THIRD SEMESTER Credits
CRJ 104 Introduction to Administration of Justice 3
ANTH 222 Fundamentals of Forensic Anthropology 3
ANTH 228 Health, Healing and Culture 3
TOTAL CREDITS ................................................................. 9

FOURTH SEMESTER Credits
ANTH 290 Internship in Anthropology1 2
TOTAL CREDITS ................................................................. 2

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

1Student must complete 2 credits of ANTH 290 (either one 2 credit section or two 1 credit sections).

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

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. 48 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. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
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# Applied Psychology - Addiction Services

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS:** 60  
**DEGREE CODE:** MHCSADSAAS

## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
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</tr>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
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</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS Natural Science p. 48</td>
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</tr>
<tr>
<td>MHDD 101 Role of the Technician</td>
<td>1</td>
</tr>
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</table>

**TOTAL CREDITS:** 15-17

### SECOND SEMESTER Credits

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**TOTAL CREDITS:** 15

### THIRD SEMESTER Credits

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**TOTAL CREDITS:** 15-17

### FOURTH SEMESTER Credits

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**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.
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. 48 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. 48 for courses
- FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
  See AAS policy p. 49 for courses
- U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
  See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)
- CORE REQUIREMENTS (29 credits)
  CPD 117 Introduction to Counseling
  CPD 120 Treatment Planning Case Management
  CPD 201 Crisis Communication Skills
  MHDD 101 Role of the Technician
  MHDD 102 Medical Component
  MHDD 107 Medication Fundamentals
  MHDD 109 Introduction to Therapeutic Interventions
  MHDD 127 Positive Behavior Supports
  MHDD 150 Issues in Substance Abuse
  MHDD 153 Life Span Development
  MHDD 295 Practicum
  MHDD 299 Capstone Project
  PSY 102 Psychology of Personal and Social Adjustment
  PSY 241 Introduction to Abnormal Psychology
  PSY 110 Introduction to Disability Services
  MHDD 152 Allied Therapies
  MHDD 160 Understanding Mental Illness
  MHDD 295 Practicum
  PSY 207 Psychology and the Family
  PSY 276 Aging in Modern American Society
  SOC 276 Aging in Modern American Society

ELECTIVES (choose 9 credits)
- MHDD 110 Introduction to Disability Services
- MHDD 152 Allied Therapies
- MHDD 160 Understanding Mental Illness
- MHDD 295 Practicum
- PSY 207 Psychology and the Family
- PSY 276 Aging in Modern American Society
- SOC 276 Aging in Modern American Society

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.
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# Applied Psychology - Aging Services

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: MHCSAGSAAS**

## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

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**TOTAL CREDITS: 15-17**

### SECOND SEMESTER

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**TOTAL CREDITS: 15**

### THIRD SEMESTER

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**TOTAL CREDITS: 15-17**

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</tbody>
</table>

**TOTAL CREDITS: 15**

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

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†PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Applied Psychology - Child/Family Services
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 60
DEGREE CODE: MHCSCFSAAS

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. 48 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. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
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**FULL-TIME STUDENT DEGREE PLAN**

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

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<tr>
<th>SEMESTER</th>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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Required: PSY 101 General Psychology

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See AAS policy p. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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 152 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.
**FULL-TIME STUDENT DEGREE PLAN**

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

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<td>MHDD 299 Capstone Project</td>
<td>3</td>
</tr>
<tr>
<td>PSY 241 Introduction to Abnormal Psychology</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</tr>
</tbody>
</table>

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

\(^1\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Applied Psychology - Disability Services
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 60
DEGREE CODE: MHCSDS-AAS

DESCRIPTION
The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

STUDENT LEARNING OUTCOMES
• Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
• Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
• Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
• Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 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. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER

Complete Mathematics (see courses this page) 3
Complete AAS English Composition p. 48 3-5
PSY 101 General Psychology 3
Complete AAS Natural Science p. 48 3
MHDD 101 Role of the Technician 1
MHDD 109 Introduction to Therapeutic Interventions 2

TOTAL CREDITS ................................................................. 15-17

SECOND SEMESTER

Complete Communications (see courses previous page) 3
Complete AAS Fine Arts/Humanities/Social Science p. 49 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

Complete AAS US/Nevada Constitutions\(^1\) p. 49 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

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

\(^1\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Applied Psychology - Mental Health Services  
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  
REQUIRED CREDITS: 60  
DEGREE CODE: MHCSBHSAAS

**DESCRIPTION**
The Applied Psychology degree offers a broad foundation in direct service provision of quality mental health and other community services as well as a choice of more specialized service areas including addiction services, aging services, behavioral health/mental health services, child and family services, community social services, disability services, and supervisory services. The degree program is interdisciplinary in nature and is designed to prepare students for direct service careers in a variety of public, nonprofit, or private mental health or community service organizations. The program offers students opportunities for practical application of learning within an academic framework of respect for diversity, utilizing current ethical and community best practices standards. Job growth in these areas of direct service paraprofessional careers is estimated to be above average in the foreseeable future.

**STUDENT LEARNING OUTCOMES**
- Demonstrate the fundamental knowledge, skills, and standards currently required for direct services in mental health and various community services.
- Analyze individual service goals, behavior, strengths, needs, planning, and implementation strategies related to current service models.
- Apply knowledge of best practices and ethical standards in planning and implementation of service plans in mental health and community services.
- Develop knowledge and skills in one or more specialized service areas of mental health and/or community services.

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

**GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**
- **MATHEMATICS (3 credits)**
  MATH 104B or above (except MATH 122, 123)

- **ENGLISH COMPOSITION (3-5 credits)**
  See AAS policy p. 48 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. 48 for courses

- **FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**
  See AAS policy p. 49 for courses

- **U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**
  See AAS policy p. 49 for courses

**SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)**

**CORE REQUIREMENTS (29 credits)**
- CPD 117 Introduction to Counseling
- CPD 120 Treatment Planning Case Management
- CPD 201 Crisis Communication Skills
- MHDD 101 Role of the Technician
- MHDD 102 Medical Component
- MHDD 107 Medication Fundamentals
- MHDD 109 Introduction to Therapeutic Interventions
- MHDD 127 Positive Behavior Supports
- MHHD 150 Issues in Substance Abuse
- MHDD 153 Life Span Development
- MHDD 154 Advanced Therapeutic Interventions
- MHDD 299 Capstone Project
- PSY 102 Psychology of Personal and Social Adjustment
- PSY 241 Introduction to Abnormal Psychology

**ELECTIVES (choose 9 credits)**
- CPD 116 Substance Abuse: Fundamental Facts and Insights
- CPD 133 Small Group Interaction - Group Counseling
- CPD 220 Dual Diagnosis
- MHDD 103 Psychopathology and Developmental Disabilities
- MHDD 152 Allied Therapies
- MHDD 160 Understanding Mental Illness
- MHDD 295 Practicum

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

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
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<tr>
<td>Complete AAS English Composition p. 48</td>
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<td>3</td>
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<tr>
<td>Complete AAS Natural Science p. 48</td>
<td>3</td>
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<tr>
<td>MHDD 101 Role of the Technician</td>
<td>1</td>
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<tr>
<td>MHDD 109 Introduction to Therapeutic Interventions</td>
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<td><strong>TOTAL CREDITS</strong></td>
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### SECOND SEMESTER

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<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions(^1) p. 49</td>
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<tr>
<td>CPD 120 Treatment Planning Case Management</td>
<td>2</td>
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<tr>
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<tr>
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<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MHDD 153 Life Span Development</td>
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<td>MHDD 154 Advanced Therapeutic Interventions</td>
<td>2</td>
</tr>
<tr>
<td>MHDD 299 Capstone Project</td>
<td>3</td>
</tr>
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**DEGREE PLAN TOTAL CREDITS** \(^{60-64}\)

\(^1\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
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
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PLEASE NOTE • The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 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. 48 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. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
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# FULL-TIME STUDENT DEGREE PLAN

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

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**TOTAL CREDITS**: 15-17

### SECOND SEMESTER

<table>
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<td>2</td>
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<tr>
<td>PSY 102 Psychology of Personal and Social Adjustment</td>
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</table>

**TOTAL CREDITS**: 15

### THIRD SEMESTER

<table>
<thead>
<tr>
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</tr>
<tr>
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**TOTAL CREDITS**: 15-17

### FOURTH SEMESTER

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<td>3</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
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</table>

**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.
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
- PSY 102 Psychology of Personal and Social Adjustment 3
- PSY 130 Human Sexuality 3
- 1-3 credits from any one other CPD or MHDD course 1-3

Computation included in MHDD 107, 109, 127

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

See Degree Plan on next page.
### Full-Time Student Degree Plan

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course Details</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>First Semester</strong></td>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CPD 117 Introduction to Counseling</td>
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<td>MHDD 101 Role of the Technician</td>
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<tr>
<td><strong>Second Semester</strong></td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
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</table>

**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.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER
- ENG 100 or 101 or 113 3-5
- AAD 180 Fundamentals of Design I 3
- AAE 100 Introduction to Architecture 3
- CONS 120B Construction Plans and Specifications 3
- INTD 105B History of Furniture and Interiors I 3
- TOTAL CREDITS: 15-17

SECOND SEMESTER
- Complete Human Relations (see courses this page) 3
- AAD 182 Fundamentals of Design II 3
- ADT 100B Introduction to Drafting Theory 3
- ADT 201B Introduction to Building Information Modeling 3
- INTD 106B History of Furniture and Interiors II 3
- TOTAL CREDITS: 15

THIRD SEMESTER
- Complete Mathematics (see courses this page) 3
- TOTAL CREDITS: 6

FOURTH SEMESTER
- Complete Natural Science (see courses this page) 3
- ART 107 Design Fundamentals I (2-D) 3
- ADT 201B Introduction to Building Information Modeling 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) 3
- PSC 101 Introduction to American Politics 4
- CAD 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
- TOTAL CREDITS: 16

DEGREE PLAN TOTAL CREDITS: 67-69

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

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. 48 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; HIMS 130; MGT 100B; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (7 credits)
Required: GEOG 103 and PHYS 151

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Required: ART 101 Drawing I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (44 CREDITS)

AAD 180  Fundamentals of Design I  3
AAD 182  Fundamentals of Design II  3
AAE 100  Introduction to Architecture  3
ADT 100B  Introduction to Drafting Theory  3
ADT 103B  Urban Planning  3
ADT 107B  Architectural Residential Codes  2
ADT 114B  History of the Built Environment  3
ADT 201B  Introduction to Building Information Modeling  3
ADT 205B  Architectural Environmental Control Systems  3
ADT 210B  Residential Structural Technology  3
ADT 280B  Architectural Residential Design  3
ADT 282B  Architectural Residential Design II  3
CADD 105  Intermediate Computer Aided Drafting  3
CONS 120B  Construction Plans and Specifications  3
SCT 105B  Sustainable Construction Materials  3

See Degree Plan on next page.

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

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td>15-17</td>
<td>Complete AAS English Composition p. 48 (3-5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>AAD 180 Fundamentals of Design I (3)</td>
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<tr>
<td></td>
<td></td>
<td>AAE 100 Introduction to Architecture (3)</td>
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<tr>
<td></td>
<td></td>
<td>CONS 120B Construction Plans and Specifications (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>SCT 105B Sustainable Construction Materials (3)</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td>15-17</td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td>16-17</td>
<td>Complete Mathematics (see courses previous page) (5-6)</td>
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<tr>
<td></td>
<td></td>
<td>AAD 182 Fundamentals of Design II (3)</td>
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<td></td>
<td></td>
<td>ADT 100B Introduction to Drafting Theory (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADT 107B Architectural Residential Codes (2)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADT 201B Introduction to Building Information Modeling (3)</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td>16-17</td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td>13</td>
<td>PHYS 151 General Physics I (4)</td>
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<tr>
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<td></td>
<td>ADT 103B Urban Planning (3)</td>
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<tr>
<td></td>
<td></td>
<td>ADT 114 History of the Built Environment (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADT 280B Architectural Residential Design (3)</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td>13</td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td>16</td>
<td>PSC 101 Introduction to American Politics (4)</td>
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<tr>
<td></td>
<td></td>
<td>CADD 105 Intermediate Computer Aided Drafting (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADT 205B Architectural Environmental Control Systems (3)</td>
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<tr>
<td></td>
<td></td>
<td>ADT 210B Residential Structural Technology (3)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ADT 282B Architectural Residential Design II (3)</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td>16</td>
</tr>
<tr>
<td><strong>FIFTH SEMESTER</strong></td>
<td>12-14</td>
<td>Complete Communications (see courses previous page) (3-5)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete Human Relations (see courses previous page) (3)</td>
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<tr>
<td></td>
<td></td>
<td>GEOG 103 Physical Geography (3)</td>
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<td></td>
<td>ART 101 Drawing I (3)</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td>12-14</td>
</tr>
</tbody>
</table>

**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. 47 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.
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### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH 120 Fundamentals of College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ART 101 Drawing I</td>
<td>3</td>
</tr>
<tr>
<td>ART 107 Design Fundamentals I (2-D)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 103 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>ART 102 Drawing II</td>
<td>3</td>
</tr>
<tr>
<td>ART 260 or ART 261</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>ENG 223 Themes of Literature</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 122 Desert Plants³</td>
<td>3-4</td>
</tr>
<tr>
<td>ART 216 Sculpture I</td>
<td>3</td>
</tr>
<tr>
<td>ART 231 Painting I</td>
<td>3</td>
</tr>
<tr>
<td>ART 262 or ART 263</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-16</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
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<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>ART 298 Portfolio Emphasis</td>
<td>2</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

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

³This course is only offered in the spring semester.
AUTOMOTIVE TECHNOLOGY PROGRAM

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)

MATHMATICS (3 credits)
Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)
Recommended: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Recommended: ALS 101 College Success

NATURAL SCIENCE (3 credits)
Recommended: AST 101 General Astronomy

FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)
Recommended: COM 101 Oral Communication

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (34 credits)
AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
AUTO 117B Advanced Automotive Electronics 4
AUTO 136B Engine Repair 5
AUTO 145B Automotive Brakes 4
AUTO 155B Steering and Suspension 4
AUTO 165B Automotive Heating and Air Conditioning 4
AUTO 185B Introduction to Alternative Fueled Vehicles 3
AUTO 285B Hybrid Vehicle Service Techniques 4

Electives (choose 4 credits)
AUTO 205B Manual Drive Train and Axles 4
AUTO 216B Automatic Transmissions 5
AUTO 225B Engine Performance I/Fuel and Ignition 4
AUTO 245B Power Train Removal and Replacement 4

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
MATH 104B Applied Mathematics 3
ALS 101 College Success 3
AUTO 105B Automotive Maintenance 2
AUTO 115B Automotive Electricity and Electronics 4
AUTO 117B Advanced Automotive Electronics 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 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.
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CSN 2017-2018 GENERAL CATALOG & STUDENT HANDBOOK
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

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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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FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
MATH 104B Applied Mathematics 3
ALS 101 College Success 3
AUTO 105B Automotive Maintenance 2
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
Collision Repair
CERTIFICATE OF ACHIEVEMENT (CA) 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 I-CAR certifications.
• The student will prepare to take the following ASE examinations: ASE B2, ASE B3, and ASE B4.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)
COMMUNICATIONS (3-5 credits)
Choices: BUS 108; COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)
ABDY 101B Collision Repair Fundamentals and Estimating 4
ABDY 110B Paint and Refinish I 4
ABDY 120B Non-Structural Welding 4
ABDY 122B Non-Structural Body and Panel and Trim 4
ABDY 150B Structural I 4
ABDY 152B Structural II 4
ABDY 180B Non-Structural Advanced Body Panel 4
ABDY 220B Paint and Refinish II 4
AUTO 105B Automotive Maintenance I 2

Computation included in ABDY 101B
Human Relations included in ABDY 101B

DEGREE PLAN TOTAL CREDITS 37

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3
ABDY 101B Collision Repair Fundamentals and Estimating 4
AUTO 105B Automotive Maintenance 2
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 8

FOURTH SEMESTER Credits
ABDY 152B Structural II 4
ABDY 220B Paint and Refinish II 4
TOTAL CREDITS 8

DEGREE PLAN TOTAL CREDITS 37

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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 (CA)  
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 changing, engine related service procedures, driveability diagnosis, and diagnosis of vehicle computer network systems and body control computers. Student will be knowledgeable in alternative fueled vehicle service techniques as related to the driveability area. Students will also be prepared to obtain a State of Nevada Class 1G smog inspector license.

STUDENT LEARNING OUTCOMES
• Understand, identify, and implement safe working procedures.
• Obtain a Nevada Class 1G smog certification.
• Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A6, and ASE A8

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3-5 credits)
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
AUTO 117B Advanced Automotive Electronics 4
AUTO 136B Engine Repair 5
AUTO 225B Engine Performance I/Fuel and Ignition 4
AUTO 227B Engine Performance II/Emission Control 4
AUTO 235B Engine Performance III/Diagnostics 4
AUTO 240B Nevada 1G Emission Inspection Preparation 2

Computation included in AUTO 115B
Human Relations included in AUTO 115B

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

FIRST SEMESTER  Credits
COM 115 Applied Communication 3
AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
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 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 (CA) 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

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.

### FULL-TIME STUDENT DEGREE PLAN

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

#### FIRST SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 105B Automotive Maintenance I</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 115B Automotive Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 117B Advanced Automotive Electronics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 136B Engine Repair</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 145B Automotive Brakes</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 155B Steering and Suspension</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 165B Automotive Heating and Air Conditioning</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 205B Manual Drive Train and Axles</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 216B Automatic Transmissions</td>
<td>5</td>
</tr>
<tr>
<td>AUTO 225B Engine Performance I/Fuel and Ignition</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 227B Engine Performance II/Emission Control</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 235B Engine Performance III/Diagnostics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 245B Power Train Removal and Replacement</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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#### SECOND SEMESTER Credits

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<th>Course</th>
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<tr>
<td>AUTO 210B Automatic Maintenance II</td>
<td>2</td>
</tr>
<tr>
<td>AUTO 220B Automatic Electricity and Electronics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 240B Advanced Automotive Transmissions</td>
<td>4</td>
</tr>
<tr>
<td>ENG 107 Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 115B Automotive Brakes</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

#### THIRD SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>AUTO 101 General Astronomy</td>
<td>3</td>
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<td>AUTO 165B Automotive Heating and Air Conditioning</td>
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<tr>
<td>AUTO 205B Manual Drive Train and Axles</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 216B Automatic Transmissions</td>
<td>5</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</tr>
</tbody>
</table>

#### FOURTH SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>AUTO 220B Engine Performance I/Fuel and Ignition</td>
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</tr>
<tr>
<td>AUTO 227B Engine Performance II/Emission Control</td>
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<tr>
<td>AUTO 235B Engine Performance III/Diagnostics</td>
<td>4</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

#### FIFTH SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>AUTO 101 General Astronomy</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 220B Engine Performance I/Fuel and Ignition</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 227B Engine Performance II/Emission Control</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 235B Engine Performance III/Diagnostics</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

#### DEGREE PLAN TOTAL CREDITS

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

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

3. Prerequisite of AUTO 225B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

### 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.
### 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 drivability 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

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1. Prerequisite AUTO 105B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.
2. Prerequisite AUTO 115B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.
3. Prerequisite of Auto225B. Contact Department of Applied Technologies for permission to complete this course and its prerequisite in the same semester.

### FULL-TIME STUDENT DEGREE PLAN

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

#### FIRST SEMESTER
- MATH 104B Applied Mathematics 3
- AUTO 105B Automotive Maintenance 2
- AUTO 115B Automotive Electricity and Electronics 4
- AUTO 117B Advanced Automotive Electronics 4
- TOTAL CREDITS ............................................................................................... 16

#### SECOND SEMESTER
- ENG 107 Technical Communications 3
- COM 101 Oral Communication 3
- AUTO 136B Engine Repair 5
- AUTO 165B Automotive Heating and Air Conditioning 4
- AUTO 240B Nevada 1G Emission Inspector Preparation 2
- TOTAL CREDITS ............................................................................................... 17

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

#### FOURTH SEMESTER
- 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

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**NOTE**
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AUTOMOTIVE TECHNOLOGY PROGRAM

AUTOMOTIVE TECHNOLOGY - Service Technician
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 62
DEGREE CODE: AUTOTSTAAS

DESCRIPTION
This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. This degree places an emphasis on preparing general service technicians.

STUDENT LEARNING OUTCOMES
- Demonstrate diagnostic and repair routines as related to the major systems of the automobile.
- Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A2, ASE A3, ASE A4, ASE A5, ASE A6, and ASE A7.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both mechanical and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)
Recommended: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Recommended: ALS 101 College Success

NATURAL SCIENCE (3 credits)
Recommended: AST 101 General Astronomy

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Recommended: COM 101 Oral Communication

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
AUTO 117B Advanced Automotive Electronics 4
AUTO 136B Engine Repair 5
AUTO 145B Automotive Brakes 4
AUTO 155B Steering and Suspension 4
AUTO 165B Automotive Heating and Air Conditioning 4
AUTO 205B Manual Drive Train and Axles 4
AUTO 216B Automatic Transmissions 5
AUTO 245B Power Train Removal and Replacement 4

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

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

SECOND SEMESTER
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
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
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 • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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.
Auto Maintenance and Light Repair

DESCRIPTION
This program prepares students for entry level careers as maintenance and light repair technicians. Students completing this Certificate will be able to repair battery, starting, charging and electrical system malfunctions, brake, steering, suspension and air conditioning systems, and perform engine mechanical diagnosis and maintenance related engine service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM’s scan tools, electronic service information systems, and in general knowledge of the automotive industry. Students will be knowledgeable in special maintenance techniques related to alternative fueled and hybrid electric vehicles. Students will also be qualified to obtain a Nevada Class 1G smog inspector licensure.

STUDENT LEARNING OUTCOMES
• Understand, identify, and implement safe working procedures and successfully pass the SP/2 examinations.
• Prepare to obtain a Nevada Class 1G smog certification.
• Prepare to take the following ASE/NATEF certification exams: ASE A1, ASE A4, ASE A5, ASE A6, and ASE A7

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)
COMMUNICATIONS (3-5 credits)
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)
AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 4
AUTO 117B Advanced Automotive Electronics 4
AUTO 136B Engine Repair 5
AUTO 145B Automotive Brakes 4
AUTO 155B Steering and Suspension 4
AUTO 165B Automotive Heating and Air Conditioning 4
AUTO 240B Nevada 1G Emission Inspection Preparation 2
Computation included in AUTO 115B
Human Relations included in AUTO 115B

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3
AUTO 105B Automotive Maintenance I 2
AUTO 115B Automotive Electricity and Electronics I 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

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

COMMUNICATIONS (3 credits)
Required: COM 101 Oral Communication

HUMAN RELATIONS (3 credits)
Recommended: PSY 101 General Psychology

NATURAL SCIENCE (4 credits)
Required: EGG 131 and EGG 131L

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
Recommended: SOC 101 Principles of Sociology

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)

ACC 201  Financial Accounting 3
AV 100B  Aviation Orientation 3
AV 105B  Airport Operations 3
AV 107B  Airline Operations 3
AV 110B  Private Pilot Ground School 4
AV 112B  Human Factors and Safety 3
AV 114B  Advanced Navigation 3
AV 115B  Aviation Meteorology 3
AV 215B  Crew Resource Management 3
AV 220B  Air Transportation 3
IS 101  Introduction to Information Systems 3
MGT 201  Principles of Management 3

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

FIRST SEMESTER

Credits
MATH 116 Technical Mathematics 3
Complete AAS English Composition p. 48 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.
• Course numbers with the “H” 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.
**AVIATION TECHNOLOGY PROGRAM**

### 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.
- Summarize the test standards and information required to pass the Federal Aviation Administration Instrument Rating knowledge exams for land operation of single engine airplanes.
- Summarize the test standards and information required to pass the Federal Aviation Administration Commercial Pilot Knowledge exam for land operation of single engine airplanes.
- Summarize the test standards and information required to pass the Federal Aviation Administration Private Pilot Practical Instrument Rating for land operation of single engine airplanes.
- Summarize the test standards and information required to pass the Federal Aviation Administration Private 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)

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MATHMATICS</strong> (3 credits)</td>
<td>Required: MATH 116 Technical Mathematics</td>
</tr>
<tr>
<td><strong>ENGLISH COMPOSITION</strong> (3-5 credits)</td>
<td>See AAS policy p. 48 for courses</td>
</tr>
<tr>
<td><strong>COMMUNICATIONS</strong> (3 credits)</td>
<td>Required: COM 101 Oral Communication</td>
</tr>
<tr>
<td><strong>HUMAN RELATIONS</strong> (3 credits)</td>
<td>Recommended: PSY 101 General Psychology</td>
</tr>
<tr>
<td><strong>NATURAL SCIENCE</strong> (4 credits)</td>
<td>Required: EGG 131 and EGG 131L</td>
</tr>
<tr>
<td><strong>FINE ARTS/HUMANITIES/SOCIAL SCIENCES</strong> (3 credits)</td>
<td>Recommended: SOC 101 Principles of Sociology</td>
</tr>
<tr>
<td><strong>U.S. AND NEVADA CONSTITUTIONS</strong> (4-6 credits)</td>
<td>Recommended: PSC 101 Introduction to American Politics</td>
</tr>
</tbody>
</table>

### SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AV 100B Aviation Orientation</td>
<td>3</td>
</tr>
<tr>
<td>AV 110B Private Pilot Ground School</td>
<td>4</td>
</tr>
<tr>
<td>AV 111B Private Pilot Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td>AV 112B Human Factors and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AV 115B Aviation Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>AV 210B Instrument Ground School</td>
<td>4</td>
</tr>
<tr>
<td>AV 212B Instrument Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td>AV 214B Aerodynamics</td>
<td>3</td>
</tr>
<tr>
<td>AV 220B Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AV 240B Advanced Aircraft Systems</td>
<td>3</td>
</tr>
<tr>
<td>AV 250B Commercial Pilot Ground School</td>
<td>4</td>
</tr>
<tr>
<td>AV 251B Commercial Pilot Certification Lab</td>
<td>3</td>
</tr>
</tbody>
</table>

### FULL-TIME STUDENT DEGREE PLAN

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

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
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<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
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<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>AV 100B Aviation Orientation</td>
<td>3</td>
</tr>
<tr>
<td>AV 110B Private Pilot Ground School</td>
<td>4</td>
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<tr>
<td>AV 111B Private Pilot Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16-18</td>
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#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
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<tbody>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>AV 115B Aviation Meteorology</td>
<td>3</td>
</tr>
<tr>
<td>AV 214B Aerodynamics</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
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</table>

#### THIRD SEMESTER

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
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</tr>
</thead>
<tbody>
<tr>
<td>EGG 131 and EGG 131L</td>
<td>4</td>
</tr>
<tr>
<td>AV 112B Human Factors and Safety</td>
<td>3</td>
</tr>
<tr>
<td>AV 210B Instrument Ground School</td>
<td>4</td>
</tr>
<tr>
<td>AV 212B Instrument Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>14</td>
</tr>
</tbody>
</table>

#### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>REQUIRED CREDITS</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>AV 220B Air Transportation</td>
<td>3</td>
</tr>
<tr>
<td>AV 240B Advanced Aircraft Systems</td>
<td>3</td>
</tr>
<tr>
<td>AV 250B Commercial Pilot Ground School</td>
<td>4</td>
</tr>
<tr>
<td>AV 251B Commercial Pilot Certification Lab</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

### DEGREE PLAN TOTAL CREDITS

| CREDITS | 62-64 |

### NOTE

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” 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.
Aviation Technology
CERTIFICATE OF ACHIEVEMENT (CA)

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 entry-level positions providing support in the commercial aviation industry.

STUDENT LEARNING OUTCOMES
• Model the practical test standards as determined by the Federal Aviation Administration.
• Incorporate Federal Aviation Regulations in aviation related careers.
• Explain airport operational safety standards.

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

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)
MATHEMATICS (3 credits)
Required: MATH 116 Technical Mathematics

COMMUNICATIONS (3 credits)
Required: COM 101 Oral Communication

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)
AV 100B Aviation Orientation 3
AV 110B Private Pilot Ground School 4
AV 111B Private Pilot Certification Lab 3
AV 112B Human Factors and Safety 3
AV 115B Aviation Meteorology 3
AV 214B Aerodynamics 3
AV 220B Air Transportation 3
AV 240B Advanced Aircraft Systems 3

Computation included in COM 101
Human Relations included in MATH 116

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

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

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

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

FOURTH SEMESTER
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 SCIENCES PROGRAM**

**DEPARTMENT OF BIOLOGICAL SCIENCES**

**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. 47 for courses (complete with a grade of C- or better)

**LITERATURE (3 credits)**

Recommended: ENG 223 Themes of Literature

**HUMANITIES (6 credits)**

COM 101; and one course from the following:
- ANTH 105, 204, 206, 211, 216, 217; ENG 223 or above; HIST; World Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; PSY 270

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 48 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.

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**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

**CORE REQUIREMENTS (24 credits)**

- BIOL 196 Principles of Modern Biology I 4
- BIOL 197 Principles of Modern Biology II 4
- CHEM 121 General Chemistry I 4
- CHEM 122 General Chemistry II 4
- PHYS 151 General Physics I 4
- PHYS 152 General Physics II 4

**ELECTIVES (choose 4-6 credits)**

BIOL 101 or higher (except 299)

---

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

- ENG 100 or 101 or 113 3-5
- Complete AA/AB/AS Fine Arts p. 48 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**

- 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**

- ENG 223 Themes of Literature 3
- PSC 101 Introduction to American Politics 3
- PHYS 151 General Physics I 4
- BIOL 197 Principles of Modern Biology II 4

**TOTAL CREDITS: 15**

**FOURTH SEMESTER**

- PHYS 152 General Physics II 4
- Complete Humanities1 (see courses this page) 3
- Complete Social Sciences (see courses this page) 3
- BIOL 211 or BIOL 25H2 4

**TOTAL CREDITS: 14**

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

1 Under the “Humanities” heading select from the choices that follow the sentence fragment “COM 101 and…”

2 BIOL 25H is highly recommended for students transferring to a university.

---

**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.
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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- If a program is official after a student has matriculated, the student may choose the degree requirements of 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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104  CSN 2017-2018 GENERAL CATALOG & STUDENT HANDBOOK
## Associate of Science Degree (AS)

**REQUIRED CREDITS:** 60  
**DEGREE CODE:** AS

### REQUIRED CREDITS:
- 60

### DEGREE CODE:
- AS

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

### 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. 47 for courses

#### LITERATURE (3 credits)
- Recommended: ENG 231 or 232

#### HUMANITIES (6 credits)
- COM 101; and one course from the following:
  - ENG 223 or above; HIST; World Languages 111 or above; PHIL

#### FINE ARTS (3 credits)
- See AA/AB/AS policy p. 48 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

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

#### NATURAL SCIENCE CREDITS
- (Thirteen credits from the following, one must include a lab): AST; BIOL; CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS

#### ELECTIVES (choose 13 credits)
- See a counselor to select courses

### 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.

### SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

- See Degree Plan on next page.
## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics(^1) (see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science Credits(^2) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-18</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>See a counselor to select courses(^2,3)</td>
<td>7</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17</strong></td>
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<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities(^4) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science Credits(^2) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
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</tr>
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<tbody>
<tr>
<td>ENG 231 or 232</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses this page)</td>
<td>10</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
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</tbody>
</table>

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

\(^1\)Those completing this degree for Science take MATH 181. Those completing this degree for Health Sciences take MATH 120 or 124 or above.

\(^2\)Take a non-lab natural science class.

\(^3\)Take a natural science class with a lab.

\(^4\)Under the “Humanities” heading select from the choices that follow the sentence fragment “COM 101 and…”
ASSOCIATE OF BUSINESS DEGREE (AB)

REQUIRED CREDITS: 61

DEGREE CODE: AB

DESCRIPTION
The Associate of Business (AB) degree provides the equivalent of the first two years of a Bachelor’s degree in business related subject areas. Students who pursue this degree are primarily interested in transferring to NSC, UNLV, UNR or another baccalaureate level institution. A secondary objective may be employment upon completion of the AB. The Associate of Business program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES

- Integrate financial and managerial accounting principles in the utilization of data planning and control.
- Incorporate business principles with the theory and practice of business operations.
- Examine the planning, organization, leadership and control functions of management.

NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
Required: PHIL 102 Critical Thinking and Reasoning

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 for courses

HUMANITIES (3 credits)
Required: COM 101 Oral Communication

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. BUS 101 fulfills this requirement.

SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

ACC 201 Financial Accounting 3
ACC 202 Managerial Accounting 3
BUS 101 Introduction to Business 3
COM 102 Introduction to Interpersonal Communication 3
ECON 102 Principles of Microeconomics 3
ECON 103 Principles of Macroeconomics 3
ECON 261 Principles of Statistics I 3
IS 101 Introduction to Information Systems 3
MATH 132 Finite Mathematics 3
MGT 201 Principles of Management 3

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
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<tr>
<td>TOTAL CREDITS</td>
<td>15-17</td>
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</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
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</tr>
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<tbody>
<tr>
<td>ENG 102 or ENG 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete US/Nevada Constitutions¹ (see courses this page)</td>
<td>4-6</td>
</tr>
<tr>
<td>BUS 101 Introduction to Business²</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102 Principles of Microeconomics</td>
<td>3</td>
</tr>
<tr>
<td>MATH 132 Finite Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>16-18</td>
</tr>
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THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (no lab - p. 48)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>COM 102 Introduction to Interpersonal Communication</td>
<td>3</td>
</tr>
<tr>
<td>ECON 103 Principles of Macroeconomics</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
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</table>

FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Natural Science³ (with lab - p. 48)</td>
<td>3-4</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202 Managerial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>ECON 261 Principles of Statistics I</td>
<td>3</td>
</tr>
<tr>
<td>MGT 201 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>15-16</td>
</tr>
</tbody>
</table>

DEGREE PLAN TOTAL CREDITS

<table>
<thead>
<tr>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>61-66</td>
</tr>
</tbody>
</table>

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. 48 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. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages; MUS 101 or above; THTR 100 or above (except 105)

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 107 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions 4 p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>BUS 101 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>BUS 108 Business Letters and Reports</td>
<td>3</td>
</tr>
<tr>
<td>MGT 103 Introduction to Small Business Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16-18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS Natural Science p. 48</td>
<td>3</td>
</tr>
<tr>
<td>BUS 273 Business Law I</td>
<td>3</td>
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<tr>
<td>MGT 201 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>MKT 210 Marketing Principles</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Fine Arts/Humanities/Social Sciences (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>MGT 283 Introduction to Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

**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 (CA)

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

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.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
Complete Communications (see courses this page) 3-5
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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
CADD Technology
CERTIFICATE OF ACHIEVEMENT (CA)
REQUIRED CREDITS: 30
DEGREE CODE: CADD-CT

DESCRIPTION
This program provides students with the skills to plan, prepare, interpret technical drafting documents, and create additive manufacturing prototype models. Students develop these skills through computer-aided design and drafting (CADD) workstations and 3D printers. Instruction also includes office standards, ethics, equipment maintenance, and production techniques.

STUDENT LEARNING OUTCOMES
- Perform tasks in operating a CADD workstation using industry standard software used in Southern Nevada.
- Create Two-Dimensional construction documents and Three-Dimensional solid models using the drafting tools within the CAD software that will apply to their discipline to a degree of 80%.
- Practice office standards, techniques and procedures in the workplace to a degree of 80%.
- Design projects to their specific discipline of study and create documents and/or solid models to a degree of 80%
- Demonstrate adequate knowledge of mathematics, communications skills, and other core degree requirements. Graduates will be ready to be employed as an entry-level CADD technician.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (27 credits)

CADD 100 Introduction to Computer Aided Drafting 3
CADD 105 Intermediate Computer Aided Drafting 3
CADD 140 Technical Drafting I 3
CADD 141B Technical Drafting II 3
CADD 245 Solid Modeling and Parametric Design 3
CADD 246B Solid Modeling and Parametric Design II 3
CADD 250 CAD Systems Management 3
CADD 299B CADD Capstone 3
MATH 104B or above (except MATH 115B, 122, 123) 3

Digital Literacy Requirement (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

DESCRIPTION
This program provides students with the skills to plan, prepare, interpret technical drafting documents, and create additive manufacturing prototype models. Students develop these skills through computer-aided design and drafting (CADD) workstations and 3D printers. Instruction also includes office standards, ethics, equipment maintenance, and production techniques.

STUDENT LEARNING OUTCOMES
- Perform tasks in operating a CADD workstation using industry standard software used in Southern Nevada.
- Create Two-Dimensional construction documents and Three-Dimensional solid models using the drafting tools within the CAD software that will apply to their discipline to a degree of 80%.
- Practice office standards, techniques and procedures in the workplace to a degree of 80%.
- Design projects to their specific discipline of study and create documents and/or solid models to a degree of 80%
- Demonstrate adequate knowledge of mathematics, communications skills, and other core degree requirements. Graduates will be ready to be employed as an entry-level CADD technician.

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

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3-5
CADD 100 Introduction to Computer Aided Drafting 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 3
CADD 245 Solid Modeling and Parametric Design 3
CADD 250 CAD Systems Management 3
TOTAL CREDITS ..............................................................12

THIRD SEMESTER Credits
CADD 141B Technical Drafting II 4
CADD 246B Solid Modeling and Parametric Design II 4
CADD 299B CADD Capstone 4
TOTAL CREDITS ..............................................................9

DEGREE PLAN TOTAL CREDITS ........................................30-35

1Course contains a prerequisite of IS 100B or 101 or Instructor approval. In order to take both IS 100B/101 and CADD 100 in the same semester, student should seek instructor approval.
2IS 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.
3This course is offered in the Spring only.
4This 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.
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

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.
# Cardiorespiratory Sciences

**BACHELOR OF APPLIED SCIENCE (BAS)**

**REQUIRED CREDITS:** 121

**DEGREE CODE:** CRS-BAS

## Full-Time Student Degree Plan

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

### First Semester Credits

- **BIOL 189 Fundamentals of Life Science**
- **COM 101 Oral Communication**
- **ENG 101 Composition I**
- **HIT 117B Medical Terminology I**

**Total Credits:** 11

### Second Semester Credits

- **MATH 124 College Algebra**
- **BIOL 223 Human Anatomy and Physiology I**
- **BIOL 251 General Microbiology**
- **EGG 131 and 131L or PHYS 110 or above**

**Total Credits:** 15

### Third Semester Credits

- **BIOL 224 Human Anatomy and Physiology II**
- **PSC 101 Introduction to American Politics**
- **PSY 101 General Psychology**
- **PHIL 135 Introduction to Ethics**

**Total Credits:** 14

### Fourth Semester Credits

- **CRS 111 Introductory Concepts of Cardiorespiratory Science**
- **CRS 112 Introductory Concepts of Cardiorespiratory Equipment**
- **CRS 115 Clinical Practicum I**

**Total Credits:** 8

### Fifth Semester Credits

- **CRS 121 Advanced Concepts of Cardiorespiratory Science**
- **CRS 122 Advanced Concepts of Cardiorespiratory Equipment**
- **CRS 123 Applied Cardiorespiratory Assessment**
- **CRS 124 Cardiorespiratory Pharmacology**
- **CRS 125 Clinical Practicum II**

**Total Credits:** 14

### Sixth Semester Credits

- **CRS 135 Clinical Practicum III**

**Total Credits:** 3

### Seventh Semester Credits

- **CRS 211 Neonatal & Pediatric Cardiorespiratory Care**
- **CRS 212 Neonatal & Pediatric Cardiorespiratory Equipment**
- **CRS 213 Cardiorespiratory Diagnostics**
- **CRS 214 Cardiorespiratory Diagnostics Equipment**
- **CRS 215 Clinical Practicum IV**

**Total Credits:** 12

### Eighth Semester Credits

- **CRS 221 Continuity of Cardiorespiratory Care**
- **CRS 222 Seminar for Success**
- **CRS 225 Clinical Practicum V**

**Total Credits:** 8

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### BAS CRS Core Course Classes Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 333 Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 302 Intermediate Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>CRS 312 Cardiorespiratory Leadership Dynamics</td>
<td>3</td>
</tr>
<tr>
<td>CRS 313 Education and Mentoring in the Cardiorespiratory Setting</td>
<td>3</td>
</tr>
<tr>
<td>CRS 315 Clinical Practicum VI</td>
<td>4</td>
</tr>
<tr>
<td>CRS 322 Research and Evidence-Based Practice</td>
<td>3</td>
</tr>
<tr>
<td>COM 340 Cross-Cultural Communication in Health Care</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 311 Professional Ethics</td>
<td>3</td>
</tr>
<tr>
<td>CRS 412 Long-Term and Palliative Survey of Cardiorespiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>CRS 421 Essentials of Sleep</td>
<td>3</td>
</tr>
<tr>
<td>CRS 422 Special Project in Cardiorespiratory Sciences</td>
<td>1</td>
</tr>
<tr>
<td>CRS 425 Clinical Practicum VII</td>
<td>4</td>
</tr>
</tbody>
</table>

**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.
This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

**DESCRIPTION**
Cardiorespiratory Sciences (CRS) is a multi-disciplined, multi-credentialed program preparing students in care, management, and life-support of individuals having deficiencies and abnormalities associated with the cardiopulmonary system. A successful graduate of this program will obtain credentials from a national laboratory credentialing agency, the American Heart Association, Cardiovascular Credentialing International, and the National Board for Respiratory Care.

The Cardiorespiratory Sciences Program provides a quality academic experience preparing Respiratory Care Practitioners and Cardiac Technicians. The graduate will possess the attitudes, skills, and knowledge required to think critically, communicate effectively, and provide self-direction while administering care.

The program emphasizes developing competencies that integrate protocols, Clinical Practice Guidelines, and critical pathways into an efficient cardiorespiratory care plan.

A limited entry program, students must attend a health programs orientation and meet with a health programs advisor for additional counseling prior to acceptance in the program. The Cardiorespiratory Sciences Program is accredited by The Commission on Accreditation for Respiratory Care (CoARC). The Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, TX 76021-4244, (817) 283-2835 [www.coarc.com](http://www.coarc.com).

**STUDENT LEARNING OUTCOMES**
- Acquire and evaluate clinical data.
- Assess the cardiopulmonary status of patients.
- Practice abilities required for performance of prescribed diagnostic studies such as: obtaining blood samples, blood gas analysis, pulmonary function testing, and polysomnography.
- Evaluate data to assess the appropriateness of prescribed respiratory care.
- Construct patient, family, and community education programs.
- Practice prescribed respiratory care treatments, managing life support activities, evaluating and monitoring patient responses to such therapy and modifying the prescribed therapy to achieve the desired therapeutic objectives.

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

### GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

**MATHEMATICS (3 credits)**
Recommended: MATH 124 College Algebra

**ENGLISH COMPOSITION (3-5 credits)**
Recommended: ENG 101 Composition I

**COMMUNICATIONS (3 credits)**
Recommended: COM 101 Oral Communication

**HUMAN RELATIONS (3 credits)**
Recommended: PHIL 135 Introduction to Ethics

**NATURAL SCIENCE (12 credits)**
Required: BIOL 223 and 224 and 251

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)**
Recommended: PSY 101 General Psychology

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**
Recommended: PSC 101 Introduction to American Politics

### SPECIAL PROGRAM REQUIREMENTS (50 CREDITS)

**CORE REQUIREMENTS (46 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRS 111 Introductory Concepts of Cardiorespiratory Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CRS 112 Introductory Concepts of Cardiorespiratory Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 115 Clinical Practicum I</td>
<td>4</td>
</tr>
<tr>
<td>CRS 121 Advanced Concepts of Cardiorespiratory Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CRS 122 Advanced Concepts of Cardiorespiratory Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 123 Applied Cardiorespiratory Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CRS 124 Cardiorespiratory Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>CRS 125 Clinical Practicum II</td>
<td>4</td>
</tr>
<tr>
<td>CRS 135 Clinical Practicum III</td>
<td>3</td>
</tr>
<tr>
<td>CRS 211 Neonatal and Pediatric Cardiorespiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>CRS 212 Neonatal and Pediatric Cardiorespiratory Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 213 Cardiorespiratory Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>CRS 214 Cardiorespiratory Diagnostics Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 215 Clinical Practicum IV</td>
<td>4</td>
</tr>
<tr>
<td>CRS 221 Continuity of Cardiorespiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>CRS 222 Seminar for Success</td>
<td>1</td>
</tr>
<tr>
<td>CRS 225 Clinical Practicum V</td>
<td>4</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
</tr>
</tbody>
</table>

**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 |

See Degree Plan on next page.

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

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 81**

**DEGREE CODE: CARD-AAS**

---

**FULL-TIME STUDENT DEGREE PLAN**

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

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

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 189 Fundamentals of Life Science&lt;sup&gt;1&lt;/sup&gt;</td>
<td>(4)</td>
</tr>
<tr>
<td>ENG 101 Composition I</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 7(11)

#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 124 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 223 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 251 General Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>EGG 131 and EGG 131L; or PHYS 110 or above</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 15

#### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHIL 135 Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 224 Human Anatomy and Physiology I</td>
<td>4</td>
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<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
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</table>

**TOTAL CREDITS**: 14

#### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRS 111 Introductory Concepts of Cardiorespiratory Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CRS 112 Introductory Concepts of Cardiorespiratory Equipment</td>
<td>1</td>
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<tr>
<td>CRS 115 Clinical Practicum I</td>
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</table>

**TOTAL CREDITS**: 8

#### FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CRS 121 Advanced Concepts of Cardiorespiratory Sciences</td>
<td>3</td>
</tr>
<tr>
<td>CRS 122 Advanced Concepts of Cardiorespiratory Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 123 Applied Cardiorespiratory Assessment</td>
<td>3</td>
</tr>
<tr>
<td>CRS 124 Cardiorespiratory Pharmacology</td>
<td>3</td>
</tr>
<tr>
<td>CRS 125 Clinical Practicum II</td>
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</table>

**TOTAL CREDITS**: 14

#### SIXTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CRS 135 Clinical Practicum III</td>
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</table>

**TOTAL CREDITS**: 3

#### SEVENTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CRS 211 Neonatal &amp; Pediatric Cardiorespiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>CRS 212 Neonatal &amp; Pediatric Cardiorespiratory Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 213 Cardiorespiratory Diagnostics</td>
<td>3</td>
</tr>
<tr>
<td>CRS 214 Cardiorespiratory Diagnostics Equipment</td>
<td>1</td>
</tr>
<tr>
<td>CRS 215 Clinical Practicum IV</td>
<td>4</td>
</tr>
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</table>

**TOTAL CREDITS**: 12

#### EIGHTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CRS 221 Continuity of Cardiorespiratory Care</td>
<td>3</td>
</tr>
<tr>
<td>CRS 222 Seminar for Success</td>
<td>1</td>
</tr>
<tr>
<td>CRS 225 Clinical Practicum V</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 8

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

<sup>1</sup>BIOL 189, although not included for the AAS degree, it is a prerequisite of BIOL 223 and BIOL 225 and must be completed prior to enrolling in those classes.

**NOTE:**
- Due to the high rigor of the CRS program, it is highly recommended that students complete as many general education requirements before applying to the program as possible.
Casino Management
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 62
DEGREE CODE: GAMMGT-AAS

DESCRIPTION
This program is designed to provide students with the opportunity to begin a career in the casino and gaming industry. Students will obtain a strong basic background in casino games, marketing, gaming regulations, gaming law and supervision.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, emails: ace@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. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102

HUMAN RELATIONS (3 credits)
ALS 101 or HMS 130 or MGT 283

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>GAM 108 Slots Management I</td>
<td>3</td>
</tr>
<tr>
<td>GAM 225 Introduction to Gaming Management</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>GAM 106 Casino Floor Supervision</td>
<td>3</td>
</tr>
<tr>
<td>GAM 204 Introduction to Casino Marketing</td>
<td>3</td>
</tr>
<tr>
<td>HMD 259 Human Resources Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions¹ p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
<tr>
<td>GAM 131 Race and Sports Book Management</td>
<td>3</td>
</tr>
<tr>
<td>GAM 210 Casino Customer Service</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>GAM 206 Casino Surveillance</td>
<td>3</td>
</tr>
<tr>
<td>GAM 235 Gaming Laws and Regulations</td>
<td>3</td>
</tr>
<tr>
<td>GAM 295 Work Experience in Casino/Gaming</td>
<td>1</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**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 (CA)
REQUIRED CREDITS: 33
DEGREE CODE: GAMGMT-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

DEGREE PLAN TOTAL CREDITS .................................................................................................................. 33-35
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. 47 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. 48 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

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
ENG 100 or 101 or 113 3-5
MATH 120 Fundamentals of College Mathematics 3
Complete Social Science (see courses this page) 6
COM 101 Oral Communication 3
TOTAL CREDITS .................................................................15-17

SECOND SEMESTER Credits
ENG 102 or 114 3
See AA/AB/AS Natural Science (no lab) p. 48 3
Complete Social Science (see 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 this page) 9
TOTAL CREDITS .................................................................15

FOURTH SEMESTER Credits
ENG 223 Themes of Literature 3
See AA/AB/AS Natural Science with lab p. 48 3-4
COM 216 Survey of Communication Studies 3
Complete Electives (see 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.
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. 48 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; HHIP 123B, 124B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above; ART 101 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOCI 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>COT 102 Computer Keyboarding II</td>
<td>3</td>
</tr>
<tr>
<td>COT 127B Microsoft Office for Offices</td>
<td>3</td>
</tr>
</tbody>
</table>

*TOTAL CREDITS*............................................................................................................. **15-17**

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ACC 135B Bookkeeping I</td>
<td>3</td>
</tr>
<tr>
<td>BUS 106B Business English</td>
<td>3</td>
</tr>
<tr>
<td>COT 129B Records Management</td>
<td>3</td>
</tr>
<tr>
<td>COT 200 Word Processing I</td>
<td>3</td>
</tr>
</tbody>
</table>

*TOTAL CREDITS*............................................................................................................. **15**

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>BUS 108 Business Letters and Reports</td>
<td>3</td>
</tr>
<tr>
<td>COT 201B Word Processing II</td>
<td>3</td>
</tr>
<tr>
<td>MGT 201 Principles of Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

*TOTAL CREDITS*............................................................................................................. **15**

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Fine Arts/Humanities/Social Sciences (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>See AAS US/NV Constitutions(^1) p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>COT 213B Business Professionalism</td>
<td>1</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>7</td>
</tr>
</tbody>
</table>

*TOTAL CREDITS*............................................................................................................. **15-17**

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

\(^1\)PSC 101 completes this requirement at 4 credits. If the HIST option is chosen, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the third or fourth semester.
Computer Office Technology
CERTIFICATE OF ACHIEVEMENT (CA)
REQUIRED CREDITS: 30
DEGREE CODE: COT-CT

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.

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

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 and 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

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

1ENG 100 or ENG 101 required for BUS 106B.

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

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

FIRST SEMESTER Credits
ENG 100 or 101 3-5
COT 102 Computer Keyboarding II 3
COT 127B Microsoft Office for Offices 3
COT 129B Records Management 3
COT 200 Word Processing I 3
TOTAL CREDITS ...............................................................................................15-17

SECOND SEMESTER Credits
ACC 135B Bookkeeping I 3
BUS 106B Business English 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
COMPUTING AND INFORMATION TECHNOLOGY PROGRAM
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)

MATHMATICS (3 credits)
Required: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3 credits)
Required: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communications

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (4 credits)
Required: EGG 131 and 131L

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; 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 (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.
FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 107 Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12-15</strong></td>
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</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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</thead>
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<tr>
<td>EGG 131 and EGG 131L</td>
<td>4</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete US/Nevada Constitutions</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 110 A+ Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CIT 112B Network+</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17-19</strong></td>
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</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CF 117B Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CF 118B Internet Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CIT 211 MCITP/MCTS Windows Workstations OS</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CF 119B Introduction to Electronic Crime for Law Enforcement</td>
<td>3</td>
</tr>
<tr>
<td>CF 124B Digital Crime Investigation</td>
<td>3</td>
</tr>
<tr>
<td>CF 217B Advanced Computer Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CIT 212 MCITP/MCTS Windows Server OS</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**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 (CA)

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 Workstations OS 3
CIT 212 MCITP/MCTS Windows Server OS 3
CISCO 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 111 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
CISCO 121 CCNA Routing and Switching Essentials 4
CISCO 220 CCNA LAN Switching and Wireless Fundamentals 4
CISCO 221 CCNA WAN Fundamentals 4
CISCO 230B Fundamentals of Network Security 4

Computation included in CF 118B
Human Relations included in CF 124B

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

• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.

For more information visit www.csn.edu/honors.

• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.

• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

FULL-TIME STUDENT DEGREE PLAN

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

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
CISCO 120 CCNA Internetworking Fundamentals 1 4
IS 100B or IS 101 0-3
TOTAL CREDITS ..........................................................................................16-19

SECOND SEMESTER Credits
CF 118B Internet Forensics 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.
Computing and Information Technology - Cyber Security - Network Security

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  REQUIRED CREDITS: 60  DEGREE CODE: CITCSNSAAS

DESCRIPTION
This degree provides students with the necessary education and skills required by today’s Network Security specialists. Instruction includes courses on server/client centric security issues as well as router/switch centric security issues. It provides students with a wide array of training in various functional areas related to network security. Completion of this course of study prepares students for successful completion of a number of industry certification exams; such as CompTia Security+, Cisco CCNA: Security, and others.

STUDENT LEARNING OUTCOMES
• Evaluate computer hardware and software.
• Develop organization security policies.
• Explain how to use networking tools and devices to detect and mitigate security attacks.
• Manage the security of a network system.
• Manage a networking project.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
Required: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3 credits)
Required: ENG 107 Technical Communications

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (3 credits)
Required: EGG 131 Technical Physics I

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (38 credits)
CF 118B Internet Forensics 3
CIT 112B Network+ 3
CIT 173 Introduction to Linux 3
CIT 174 Linux System Administration 3
CIT 217 Security+ 3
CIT 263B Project Management 3
CSCO 120 CCNA Internetworking Fundamentals 4
CSCO 121 CCNA Routing and Switching Essentials 4
CSCO 220 CCNA Scaling Networks 4
CSCO 221 CCNA WAN Fundamentals 4
CSCO 230B Fundamentals of Network Security 4

Choose one from the following (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

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

See Degree Plan on next page.
# Full-Time Student Degree Plan

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 107 Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>CIT 173 Introduction to Linux</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12-15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>EGG 131 Technical Physics I</td>
<td>3</td>
</tr>
<tr>
<td>Complete US/Nevada Constitutions[^1] (see courses previous page)</td>
<td>4-6</td>
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<tr>
<td>CIT 112B Network+</td>
<td>3</td>
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<tr>
<td>CIT 174 Linux System Administration</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>THIRD SEMESTER</th>
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<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CF 118B Internet Forensics</td>
<td>3</td>
</tr>
<tr>
<td>CIT 217 Security+</td>
<td>3</td>
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<tr>
<td>CSCO 120 CCNA Internetworking Fundamentals</td>
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<tr>
<td>CSCO 121 CCNA Routing and Switching Essentials[^2]</td>
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<th>FOURTH SEMESTER</th>
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<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
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<tr>
<td>CSCO 220 CCNA Scaling Networks</td>
<td>4</td>
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<td>CSCO 221 CCNA Wan Fundamentals[^3]</td>
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<tr>
<td>CSCO 230B Fundamentals of Network Security</td>
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**Degree Plan Total Credits:** **60-65**

[^1]: PSC 101 completes this requirement at 4 credits. If student is completing IS 100B and chooses the HIST option, complete HIST 101 in the first semester and take HIST 102 or 217 in the second semester.

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

[^3]: Prerequisite CSCO 220. Contact the Department of Computing and Information Technology for permission to complete this class in the same semester as the prerequisite course.
Computing and Information Technology - Information Management -
Network Infrastructure Analyst
CERTIFICATE OF ACHIEVEMENT (CA)
REQUIRED CREDITS: 30
DEGREE CODE: CITIMNIACT

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.

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

FIRST SEMESTER
Complete Mathematics (see courses this page) 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
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 (CA)  
REQUIRED CREDITS: 30  
DEGREE CODE: CITIMSA-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 Bachelor's 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

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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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If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

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

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
Computing and Information Technology – Information Management –
Virtual Computing Analyst
CERTIFICATE OF ACHIEVEMENT (CA)
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.

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

FIRST SEMESTER Credits
Complete Mathematics (see courses this page) 3
Complete English (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.
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Computing and Information Technology - Networking - Client/Server

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 63

DEGREE CODE: CITNCS-AAS

**DESCRIPTION**

This program course of study provides students with education and skills required by today’s computer networking industry. Instruction includes courses on client/server centric LAN networking. It provides students with a wide array of training in various areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams such as: CompTIA A+, Network+, and Microsoft MCITP. Instruction takes place in a hands-on state-of-the-art lab environment.

**STUDENT LEARNING OUTCOMES**

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity, and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Optimize operating system configuration in Microsoft server environment.

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

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

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

See AAS policy p. 49 for courses

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

See AAS policy p. 49 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

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

- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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**

This program course of study provides students with education and skills required by today’s computer networking industry. Instruction includes courses on client/server centric LAN networking. It provides students with a wide array of training in various areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams such as: CompTIA A+, Network+, and Microsoft MCITP. Instruction takes place in a hands-on state-of-the-art lab environment.

**STUDENT LEARNING OUTCOMES**

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity, and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Optimize operating system configuration in Microsoft server environment.

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

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

**MATHEMATICS (3 credits)**

Required: MATH 116 Technical Mathematics

**ENGLISH COMPOSITION (3 credits)**

Required: ENG 107 Technical Communications I

**COMMUNICATIONS (3 credits)**

Required: COM 115 Applied Communication

**HUMAN RELATIONS (3 credits)**

ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

**NATURAL SCIENCE (4 credits)**

Required: EGG 131 and 131L

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

See AAS policy p. 49 for courses

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

See AAS policy p. 49 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

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

- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values 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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### Computing and Information Technology - Networking - Client/Server

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS:** 63  
**DEGREE CODE:** CITNCS-AAS

---

**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 107 Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>CIT 114B IT Essentials</td>
<td>4</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-19</strong></td>
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<th>SECOND SEMESTER</th>
<th>Credits</th>
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<td>EGG 131 and 131L</td>
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</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions¹ p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 112B Network +</td>
<td>3</td>
</tr>
<tr>
<td>CIT 211 MCITP/MCTS Windows Workstation OS</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
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<tr>
<td>CIT 173 Introduction to Linux</td>
<td>3</td>
</tr>
<tr>
<td>CIT 212 MCITP/MCTS Windows Server OS</td>
<td>3</td>
</tr>
<tr>
<td>CIT 217 Security+</td>
<td>3</td>
</tr>
<tr>
<td>CIT 274B Ethical Hacking</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AAS Fine Arts/Humanities/Social Science p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 213 MCITP/MCTS Network Infrastructure</td>
<td>3</td>
</tr>
<tr>
<td>CIT 222B Information Storage Management</td>
<td>3</td>
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<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIT 214 or 215 or 218</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**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; 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. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
• In no case, may one course be used to meet more than one requirement except for the Values 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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## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>MATH 116 Technical Mathematics</td>
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<td>ENG 107 Technical Communications I</td>
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<tr>
<td>COM 115 Applied Communication</td>
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<td>CIT 114B IT Essentials</td>
<td>4</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
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**TOTAL CREDITS**: 16-19

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions¹ p. 49</td>
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<td>CIT 112B Network +</td>
<td>3</td>
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<tr>
<td>CIT 173 Introduction to Linux</td>
<td>3</td>
</tr>
<tr>
<td>CIT 211 MCITP/MCTS Windows Workstation OS</td>
<td>3</td>
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</table>

**TOTAL CREDITS**: 17

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CIT 174 Linux System Administration</td>
<td>3</td>
</tr>
<tr>
<td>CIT 212 MCITP/MCTS Windows Server OS</td>
<td>3</td>
</tr>
<tr>
<td>CIT 222B Information Storage Management</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
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</table>

**TOTAL CREDITS**: 15

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete AAS Fine Arts/Humanities/Social Science p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 176 Linux Shell Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIT 217 Security+</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CIT 274B Ethical Hacking</td>
<td>3</td>
</tr>
</tbody>
</table>

**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)

MATHMATICS (3 credits)
Required: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3 credits)
Required: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (4 credits)
Required: EGG 131 and 131L

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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 MCTIP/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.
## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
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</tr>
<tr>
<td>ENG 107 Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>CIT 114B IT Essentials</td>
<td>4</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
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</tr>
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</table>

**TOTAL CREDITS..........................................................**16-19

### SECOND SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions¹ p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 112B Network +</td>
<td>3</td>
</tr>
<tr>
<td>CIT 173 Introduction to Linux</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
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</table>

**TOTAL CREDITS..........................................................**17-19

### THIRD SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
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<tr>
<td>Complete AAS Fine Arts/Humanities/Social Science p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 211 MCITP/MCTS Windows Workstation OS</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 120 CCNA Internetworking Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>CSCO 121 CCNA Routing and Switching Essentials²</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS..........................................................**17

### FOURTH SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
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</tr>
</thead>
<tbody>
<tr>
<td>CIT 217 Security+</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 220 CCNA Scaling Networks</td>
<td>4</td>
</tr>
<tr>
<td>CSCO 221 CCNA WAN Fundamentals³</td>
<td>4</td>
</tr>
</tbody>
</table>

**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; MGT 100B, 283; PHIL 135, 150, 151, 210, 247, 260; 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. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
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</table>

**TOTAL CREDITS** ............................................................. 15-20

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions¹</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 112B Network +</td>
<td>3</td>
</tr>
<tr>
<td>CIT 130 Beginning Java</td>
<td>3</td>
</tr>
<tr>
<td>CIT 160 Introduction to Computer Security</td>
<td>3</td>
</tr>
<tr>
<td>CIT 180 Database Concepts and SQL²</td>
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**TOTAL CREDITS** ............................................................. 16-18

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tr>
<td>EGG 131 and 131L</td>
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<tr>
<td>Complete AAS Fine Arts/Humanities/Social Sciences p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 151 Beginning Web Development</td>
<td>3</td>
</tr>
<tr>
<td>CIT 181 Introduction to Oracle</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives³ (see courses previous page)</td>
<td>4-6</td>
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**TOTAL CREDITS** ............................................................. 17-19

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CIT 183 Database Administration²</td>
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<tr>
<td>CIT 184 Oracle PL/SQL Programming I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 203B Access Certification Preparation</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
</tbody>
</table>

**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: CITSP-AAS

DESCRIPTION
This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets.

STUDENT LEARNING OUTCOMES
• Create database systems typically used in information management.
• Compile best practices for implementing secure software development.
• Summarize workplace effectiveness in the context of business awareness.
• Model positive work ethics and interpersonal skills during team projects.
• Code functioning applications within their concentration.
• Debug non-functioning applications within their concentration.

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

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or 124 or 127 or above

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
COM 101 or 102

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (4 credits)
Recommended: EGG 131 and 131L

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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 (9-3 credits)
IS 100B  Core Computing Competency 0
IS 101  Introduction to Information Systems 3

Electives #1 (choose 4-6 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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
Computing and Information Technology - Software - Programming

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  
REQUIRED CREDITS: 60  
DEGREE CODE: CITSP-AAS

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-20</strong></td>
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<th>SECOND SEMESTER</th>
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<tr>
<td>EGG 131 and 131L</td>
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</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions(^1) p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 112B Network +</td>
<td>3</td>
</tr>
<tr>
<td>CIT 130 Beginning Java</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives #2</td>
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<tr>
<td>(CIT 100 level programming language except CIT 130)(^2)</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17-19</strong></td>
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<table>
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<th>THIRD SEMESTER</th>
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<td>CIT 151 Beginning Web Development</td>
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<tr>
<td>CIT 160 Introduction to Computer Security</td>
<td>3</td>
</tr>
<tr>
<td>CIT 180 Database Concepts and SQL</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives #2 (CIT 100 level programming language(^2))</td>
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</tr>
<tr>
<td>Complete Electives #2 (CIT 200 level programming language(^2))</td>
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<th>FOURTH SEMESTER</th>
<th>Credits</th>
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<tr>
<td>Complete AAS Fine Arts/Humanities/Social Sciences p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives #1(^3)</td>
<td>4-6</td>
</tr>
<tr>
<td>Complete Electives #2 (CIT 200 level programming language(^2))</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13-15</strong></td>
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**DEGREE PLAN TOTAL CREDITS** ................................................................. **60-69**

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

\(^1\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second semester and HIST 102 or 217 in the fourth semester.

\(^2\)At least 6 credits must be 200 level.

\(^3\)Preferred program electives for this degree include any CIT 100 level programming language or any CIT 200 level programming language classes not already taken for this degree, or from CIT 152, CIT 184, and CIT 257.
Computing and Information Technology - Software – Web Development

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS) REQUIRED CREDITS: 60 DEGREE CODE: CITSWD-AAS

DESCRIPTION
This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets.

STUDENT LEARNING OUTCOMES
• Create database systems typically used in information management.
• Compile best practices for implementing secure software development.
• Summarize workplace effectiveness in the context of business awareness.
• Model positive work ethics and interpersonal skills during team projects.
• Code functioning applications within their concentration.
• Debug non-functioning applications within their concentration.

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

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or 124 or 127 or above

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
COM 101 or 102

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245;
PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (4 credits)
Recommended: EGG 131 and 131L

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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  
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 or 102</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 115 Introduction to Programming</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>15-20</td>
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<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions¹ p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CIT 112B Network +</td>
<td>3</td>
</tr>
<tr>
<td>CIT 130 Beginning Java</td>
<td>3</td>
</tr>
<tr>
<td>CIT 151 Beginning Web Development</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>17-19</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 152 Web Script Language Programming</td>
<td>3</td>
</tr>
<tr>
<td>CIT 154B Dynamic Web Application</td>
<td>3</td>
</tr>
<tr>
<td>CIT 160 Introduction to Computer Security</td>
<td>3</td>
</tr>
<tr>
<td>CIT 180 Database Concepts and SQL</td>
<td>3</td>
</tr>
<tr>
<td>CIT 251 Advanced Web Development</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS Fine Arts/Humanities/Social Sciences p. 49</td>
<td>3</td>
</tr>
<tr>
<td>CIT 252 Web Database Development</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives² (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>12</td>
</tr>
</tbody>
</table>

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 MATH 124 or MATH 126

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
COM 115 or ENG 102

HUMAN RELATIONS (3 credits)
ALS 101 or MGT 283

NATURAL SCIENCE (3 credits)
EGG 131 or ENV 101 or GEOG 103

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
COM 101 or PSY 101 or SOC 101

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101 or HIST 101 and 102 or HIST 101 and 217
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (31 credits) (It has “31” on form, was “34”)
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 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
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Fine Arts/Humanities/Social Science</td>
<td>3</td>
</tr>
<tr>
<td>CONS 120B Construction Plans and Specifications</td>
<td>3</td>
</tr>
<tr>
<td>CONS 282B Construction Law</td>
<td>3</td>
</tr>
<tr>
<td>SCT 101B Fundamentals of Sustainable Construction</td>
<td>3</td>
</tr>
<tr>
<td>CONS 111B or CONS 113B</td>
<td>4</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-19</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathmatics</td>
<td>3</td>
</tr>
<tr>
<td>Complete English Composition</td>
<td>3-5</td>
</tr>
<tr>
<td>CONS 286B Construction Management and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>CONS 288B Quality Control of Construction Waste</td>
<td>3</td>
</tr>
<tr>
<td>SCT 105B Sustainable Construction Materials and Methods</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science</td>
<td>3</td>
</tr>
<tr>
<td>CONS 285B Construction Estimating and Scheduling</td>
<td>4</td>
</tr>
<tr>
<td>SCT 201B Sustainable Construction of New Buildings</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>CONS 299B Construction Capstone Course</td>
<td>3</td>
</tr>
<tr>
<td>SCT 202B Sustainable Construction of Existing Buildings</td>
<td>3</td>
</tr>
<tr>
<td>ADT 201B or CADD 100</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

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

1COM 101 is required for BAS transfer to Great Basin College.
2CONS 113B is only offered in the spring semester. If taking CONS 113B, then complete Human Relations in the Fall.
3MATH 124 or MATH 126 is required for BAS transfer to Great Basin College.
4ENG 102 is required for BAS transfer to Great Basin College.
Creative Writing
ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 61
DEGREE CODE: ENGCW-AA

DESCRIPTION
The AA degree with a Creative Writing emphasis focuses on the writing of fiction or poetry. As knowledge of the genres and traditions of literature is central to the development of a writer or poet, courses that include the study of the elements of fiction and poetry are integrated into the program.

STUDENT LEARNING OUTCOMES
• Demonstrate knowledge and use of the forms and component elements of the genre (fiction or poetry).
• Identify purpose and audience within the context of fiction or poetry.
• Understand literary elements such as use of character, setting, point of view, plot, style, and theme for fiction; metaphor, simile, meter, symbol, allusion, narrative, and theme for poetry.
• Complete a portfolio with work that exhibits effective use of language, self-editing, and controlled voice in a given genre.

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

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

MATHMATICS (3 credits)
MATH 120 or 124 or above; or STAT 152

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 for courses

SOCIAL SCIENCE (9 credits)
(Nine credits must be from three different disciplines):
ANTH (except 102); CRJ 104; ECON; PHIL 135, 207, 216, 244, 245, 246;
PSC, PSY, SOC; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 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)
World Languages 111 or above (courses must be in a single language)
COM 101 Oral Communication
ENG 205 Introduction to Creative Writing: Fiction and Poetry
ENG 296 Portfolio Assessment

Choose one group (6 credits)
Group 1:
ENG 220 Writing Poetry
ENG 221 Writing Fiction

Group 2:
ENG 220 Writing Poetry (repeatable to 6 credits - take course twice to satisfy this portion of the degree)

Group 3:
ENG 221 Writing Fiction (repeatable to 6 credits - take course twice to satisfy this portion of the degree)

ELECTIVES (choose 6 credits)
ENG 243 Introduction to Short Story
ENG 261 Introduction to Poetry
ENG 275 Contemporary Literature
ENG 278 Readings in the Contemporary Novel

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**

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## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15-17

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions p. 48</td>
<td>4-6</td>
</tr>
<tr>
<td>ENG 205 Introduction to Creative Writing: Fiction and Poetry</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 16-18

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (With Lab) p. 48</td>
<td>3-4</td>
</tr>
<tr>
<td>World Languages 111 or above</td>
<td>4</td>
</tr>
<tr>
<td>ENG 220 or ENG 221</td>
<td>3</td>
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</table>

**TOTAL CREDITS:** 16-17

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>World Languages 111 or above</td>
<td>4</td>
</tr>
<tr>
<td>ENG 296 Portfolio Assessment</td>
<td>1</td>
</tr>
<tr>
<td>ENG 220 or ENG 221</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 14

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

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1. PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 4th semester.

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

3. When completing the World Languages portion of the special program requirements, you must complete two courses from the same language.
Criminal Justice
ASSOCIATE OF ARTS DEGREE (AA)  
REQUIRED CREDITS: 61  
DEGREE CODE: CRJ-AA

DESCRIPTION
The Associate of Arts Degree in Criminal Justice provides a broad overview of the criminal justice system, its subsystems, and the roles of the participants therein. It provides a comprehensive overview of criminal law and procedure, law enforcement ethics, and criminology. Students will choose additional elective credits in corrections, juvenile justice, forensics and other interdisciplinary topics. This degree may be used for transfer to a four-year academic institution or may serve as a qualification for public safety or social service positions.

STUDENT LEARNING OUTCOMES
- Explain the history and nature of the major components of the criminal justice system: police, courts, and corrections.
- Outline the basis of decision-making in the criminal justice process and important constitutional issues.
- Differentiate criminal law from other forms of law.
- Analyze the overall problem of crime in the United States, including different types of crimes, and identify current issues related to criminal prosecution and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

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

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or 124 or above

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
Required: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 for courses

HUMANITIES (6 credits)
COM 101 and one course from the following: ENG 223 or above; HIST; PHIL 101, 119, 129, 201, 202, 203; or World Languages 111 or above

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and 102 or HIST 101 and 217

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements.
CRJ 120 fulfills this requirement.

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (21 credits)
CRJ 104 Introduction to Administration of Justice 3
CRJ 107 Introduction to Ethics in Criminal Justice 3
CRJ 120 Community Relations 3
CRJ 130 Survey of Criminal Law 3
CRJ 225 Criminal Evidence 3
CRJ 270 Introduction to Criminology 3
CRJ 288 Second Year Capstone in Criminal Justice 3

ELECTIVES (choose 6 credits)
Any CRJ course without B designation; any EMA course.
See a counselor to select courses

See Degree Plan on next page.

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

## Criminal Justice Program

### Full-Time Student Degree Plan

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Complete Mathematics (see courses on previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA English Composition(^1) p. 47</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Fine Arts (see courses on previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 104 Introduction to Administration of Justice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
<td></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Complete AA English Composition(^2) p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Humanities(^3) (see courses on previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 107 Introduction to Ethics in Criminal Justice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 120 Community Relations(^4)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science(^5) p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 130 Survey of Criminal Law</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 225 Criminal Evidence</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>CRJ 270 Introduction to Criminology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
<td><strong>Credits</strong></td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science(^6) p. 48</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Complete U.S./NV Constitutions(^7) (see courses on previous page)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CRJ 288 Second Year Capstone in Criminal Justice</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Electives(^8) (see courses on previous page)</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16-19</td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS.............................................................61-64**

\(^1\)Complete ENG 100, 101 or 113

\(^2\)Complete ENG 102 or 114

\(^3\)Use the course list that follows, “COM 101 and one course from the following”

\(^4\)This course also fulfills the General Education Values and Diversity requirement.

\(^5\)Select one 3 credit course without a lab.

\(^6\)Select one 3-4 credit course that includes a lab.

\(^7\)PSC 101 completes this requirement of 4 credits. If you choose the HIST option, complete HIST 101 in the second or third semester and HIST 102 or 217 in the fourth semester.

\(^8\)Any CRJ course without a B designation or any EMA course.
The AAS degree in Criminal Justice is intended to provide students with the skills, abilities, and knowledge needed in order to become criminal justice practitioners or to transfer to other institutions to continue their education. The degree addresses both the legal and professional aspects of the criminal justice system while integrating crime control and identifying factors that contribute to deviant behavior. The program prepares students seeking entry level employment within the field of criminal justice.

**STUDENT LEARNING OUTCOMES**
- Summarize the three components (police, corrections, and the courts) of the criminal justice system and the workings of these institutions in society.
- Compare and contrast society’s concept of justice with the limitations of the criminal justice system.
- Analyze the overall problem of crime in the United States, including different types of crimes.
- Evaluate current issues related to crime prevention and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

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

### GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

#### MATHEMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

#### ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

#### COMMUNICATIONS (3 credits)
Required: COM 101 Oral Communication

#### HUMAN RELATIONS (3 credits)
Required: PSY 101 General Psychology

#### NATURAL SCIENCE (3 credits)
ANTH 108; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above; ART 101 or above; COM 102 or above; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above

#### U.S. AND NEVADA CONSTITUTIONS (4 credits)
See AAS policy p. 49 for courses

### SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

#### CORE REQUIREMENTS (21 credits)
<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRJ 104</td>
<td>Introduction to Administration of Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 107</td>
<td>Introduction to Ethics in Criminal Justice</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 120</td>
<td>Community Relations</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 130</td>
<td>Survey of Criminal Law</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 225</td>
<td>Criminal Evidence</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 270</td>
<td>Introduction to Criminology</td>
<td>3</td>
</tr>
<tr>
<td>CRJ 288</td>
<td>Second Year Capstone in Criminal Justice</td>
<td>3</td>
</tr>
</tbody>
</table>

#### ELECTIVES (choose 18 credits)
CRJ Electives or any EMA course

See a counselor to select courses

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

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST SEMESTER</td>
<td></td>
<td>Complete Mathematics (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Complete English Composition (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>1-5</td>
<td>COM 101 Oral Communication</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>Complete Fine Arts/Humanities/Social Sciences (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 104 Introduction to Administration of Justice</td>
</tr>
<tr>
<td></td>
<td>15-17</td>
<td>TOTAL CREDITS</td>
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<tr>
<td>SECOND SEMESTER</td>
<td></td>
<td>PSY 101 General Psychology</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 107 Introduction to Ethics in Criminal Justice</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 120 Community Relations</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Complete Electives (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>15</td>
<td>TOTAL CREDITS</td>
</tr>
<tr>
<td>THIRD SEMESTER</td>
<td></td>
<td>Choose any 3 credit BIOL course</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 130 Survey of Criminal Law</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 270 Introduction to Criminology</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Complete Electives (see courses this page)</td>
</tr>
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<td></td>
<td>15</td>
<td>TOTAL CREDITS</td>
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<tr>
<td>FOURTH SEMESTER</td>
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<td>PSC 101 Introduction to American Politics</td>
</tr>
<tr>
<td></td>
<td>4</td>
<td>Complete AAS US/Nevada Constitutions† (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 225 Criminal Evidence</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>CRJ 288 Second Year Capstone in Criminal Justice</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>Complete Electives (see courses this page)</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>TOTAL CREDITS</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

61-63

† PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the second or third semester and HIST 102 or 217 in the fourth semester.
Criminal Justice
CERTIFICATE OF ACHIEVEMENT (CA) 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

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

NOTE  • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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
This degree in Criminal Justice, Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Nevada law enforcement agencies, as prescribed by the State of Nevada, Peace Officer Standards and Training Commission (POST). Testing methodology is structured for an active learning environment which includes written examinations, interactive scenarios, and examination of case studies. Applicants must pass a written examination, oral interview, physical agility test, physical examination, psychological examination, and possess both a Nevada permit to carry a concealed weapon, as well as a Nevada state driver’s license. Students accepted into the Academy are required to pay a $250.00 program fee.

STUDENT LEARNING OUTCOMES
• Employ oral and written communication skills as required by individual law enforcement agencies.
• Distinguish among the Nevada Revised Statutes and propose the appropriate circumstances for charging specific criminal statutes.
• Interpret the U.S. Constitution, Nevada Law, and case law as it relates to specific search and seizure issues.
• Employ proper firing techniques in use of firearms.
• Demonstrate the prescribed use of force in defensive tactics and arrest procedures.
• Acquire proficiency in physical agility activities as indicated in Nevada POST state regulations.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
Required: COM 101 Oral Communication

HUMAN RELATIONS (3 credits)
HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

NATURAL SCIENCE (3 credits)
AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132;
ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above;
MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113; World Languages 101B or above

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

CRJ 103 Communication Within the Criminal Justice Field 3
CRJ 104 Introduction to Administration of Justice 3
CRJ 106 Introduction to Corrections 3
CRJ 107 Introduction to Ethics in Criminal Justice 3
CRJ 111B Firearms I 3
CRJ 114B Firearms II 2
CRJ 120 Community Relations 3
CRJ 164 Introduction to Criminal Investigation 3
CRJ 170B Physical Training for Law Enforcement 1
CRJ 214 Principles of Police Patrol Techniques 3
CRJ 225 Criminal Evidence 3
CRJ 229B Defensive Tactics 3
CRJ 233 Nevada Criminal Law 3
CRJ 251 Principles of Correctional Administration 3

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

FIRST SEMESTER 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
Complete Mathematics (see courses this page) 3
Complete English Composition (see courses this page) 3-5
Complete Human Relations (see courses this page) 3
Complete Natural Science (see courses this page) 3

TOTAL CREDITS ..............................................................................................12-14

THIRD SEMESTER Credits
Complete AAS US/NV Constitutions p. 49† 4

TOTAL CREDITS .............................................................................................10

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

†If you choose the HIST option, complete HIST 101 or 111 in the second semester and take HIST 102 or 217 in the third semester.

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

CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 33

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.

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

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

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@shore.intercom.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. 48 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; GEG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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

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

### FIRST SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>CUL 110 Basic Cookery</td>
<td>4</td>
</tr>
<tr>
<td>FAB 102 Food Service Sanitation II</td>
<td>2</td>
</tr>
<tr>
<td>FAB 167 Food Service Nutrition</td>
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</tr>
<tr>
<td>HMD 101 Introduction to the Hospitality Industry</td>
<td>3</td>
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**TOTAL CREDITS: 17-20**

### SECOND SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CUL 125 Principles of Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 130 Garde Manger</td>
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<tr>
<td>FAB 112 Restaurant Management I</td>
<td>3</td>
</tr>
<tr>
<td>FAB 160 Hospitality Purchasing</td>
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**TOTAL CREDITS: 15**

### THIRD SEMESTER Credits

<table>
<thead>
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<th>Course</th>
<th>Credits</th>
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<tr>
<td>MGT 283 Introduction to Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/NV Constitutions p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CUL 200 Aromatics/Restaurant Experience</td>
<td>4</td>
</tr>
<tr>
<td>CUL 295 Work Experience in Culinary Arts</td>
<td>1</td>
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<tr>
<td>FAB 210 Fundamentals of Food and Beverage Control</td>
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**TOTAL CREDITS: 18-20**

### FOURTH SEMESTER Credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CUL 220 International Cuisine</td>
<td>4</td>
</tr>
<tr>
<td>CUL 240 French Cuisine</td>
<td>4</td>
</tr>
<tr>
<td>CUL 250 Saucier</td>
<td>3</td>
</tr>
<tr>
<td>FAB 230 Menu Planning</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 17**

**DEGREE PLAN TOTAL CREDITS: 67-71**
Culinary Arts

CERTIFICATE OF ACHIEVEMENT (CA)

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

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

FIRST SEMESTER
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
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
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 Culinary 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: noc@shore.intercom.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)

MATHMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
Required: MGT 283 Introduction to Human Resources Management

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog.
  If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
Pastry Arts  
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  
REQUIRED CREDITS: 67  
DEGREE CODE: CULPAS-AAS

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
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<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
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<tr>
<td>CUL 110 Basic Cookery</td>
<td>4</td>
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<tr>
<td>FAB 102 Food Service Sanitation II</td>
<td>2</td>
</tr>
<tr>
<td>FAB 167 Food Service Nutrition</td>
<td>2</td>
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<td>HMD 101 Introduction to the Hospitality Industry</td>
<td>3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<thead>
<tr>
<th>SECOND SEMESTER</th>
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<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CUL 125 Principles of Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 135 Breads of the World</td>
<td>3</td>
</tr>
<tr>
<td>CUL 260 Introduction to Chocolate</td>
<td>3</td>
</tr>
<tr>
<td>FAB 160 Hospitality Purchasing</td>
<td>3</td>
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<tbody>
<tr>
<td>MGT 283 Introduction to Human Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>CUL 175 Cake Design</td>
<td>3</td>
</tr>
<tr>
<td>CUL 230 Pastry Arts</td>
<td>3</td>
</tr>
<tr>
<td>CUL 255B Retail Bakery Management</td>
<td>3</td>
</tr>
<tr>
<td>CUL 280B Principles of Quality Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 295 Work Experience in Culinary Arts</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/NV Constitutions p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>CUL 215 Plated Desserts</td>
<td>3</td>
</tr>
<tr>
<td>CUL 225 Advanced Baking</td>
<td>3</td>
</tr>
<tr>
<td>CUL 265 Introduction to Sugar Arts</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
</tr>
</tbody>
</table>

DEGREE PLAN TOTAL CREDITS ..........67-71
Pastry Arts
CERTIFICATE OF ACHIEVEMENT (CA)

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

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

FIRST SEMESTER Credits
CUL 110 Basic Cookery 4
FAB 102 Food Service Sanitation II 2
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

Computation included in FAB 160
Human Relations included in HMD 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.
DANCE PROGRAM

CERTIFICATE OF ACHIEVEMENT (CA)

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

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

Elective #3 (2 credits)
DAN 281 Dance Performance 1
DAN 287 Concert Dance (Company) 1

Elective #4 (3 credits)
DAN 108, 115, 119, 125, 128, 132, 133, 144, 175, 215, 245

FINE ARTS (6 credits)
ART 160 Art Appreciation 3
MUS 121 Music Appreciation 3

Computation included in BUS 108
Human Relations included in COM 101

Full-Time Student Degree Plan
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER

Credits
BUS 108 Business Letters and Reports 3
DAN 101 Dance Appreciation 3
DAN 188 Dance Improvisation 2
DAN 284 Dance Project 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
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.

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

COMMUNICATIONS (3-5 credits)
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 101; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (6 credits)
AST 101 or above; BIOL 101 or above; CHEM 131, 132; ENV 101 or above; GEOG 106 or above; GEO 100 or above; HHP 123B, 124B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145; AM 146; AM 147; AM 148; AM 149; AM 151; AM 152; AM 156; AM 253; AM 254; AM 255; AM 257

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

AM 145 American Sign Language I 4
AM 146 American Sign Language II 4
AM 147 American Sign Language III 4
AM 148 American Sign Language IV 4
AM 149 American Sign Language V 4
AM 151 Fingerspelling I 1
AM 152 Fingerspelling II 1
AM 156 A Survey of Deafness 1
AM 253 Deaf Culture 3
AM 254 Deaf History 3
AM 255 Structure of American Sign Language 3
AM 257 ASL/English Translation 3

See Degree Plan on next page.

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

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## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>AM 145 American Sign Language</td>
<td>4</td>
</tr>
<tr>
<td>AM 151 Fingerspelling</td>
<td>1</td>
</tr>
<tr>
<td>AM 156 A Survey of Deafness</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12-14</strong></td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
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<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
<td>AM 146 American Sign Language II</td>
<td>4</td>
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<tr>
<td>AM 152 Fingerspelling II</td>
<td>1</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<th>Third Semester</th>
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<tr>
<td>Complete US/Nevada Constitutions</td>
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<td>AM 147 American Sign Language III</td>
<td>4</td>
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<tr>
<td>AM 253 Deaf Culture</td>
<td>3</td>
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<td>AM 255 Structure of American Sign Language</td>
<td>3</td>
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<th>Fourth Semester</th>
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<td>Complete Fine Arts/Humanities/Social Sciences (see courses previous page)</td>
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<td>AM 148 American Sign Language IV</td>
<td>4</td>
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<tr>
<td>AM 254 Deaf History</td>
<td>3</td>
</tr>
<tr>
<td>AM 257 ASL/English Translation</td>
<td>3</td>
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<th>Fifth Semester</th>
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<td>Complete Communications (see courses previous page)</td>
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<tr>
<td>AM 149 American Sign Language</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>7-9</strong></td>
</tr>
</tbody>
</table>

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

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

2. PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the third semester and take HIST 102 or 217 in the fifth semester.

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

4. Prerequisite AM 147 or Instructor approval. Contact the Department of World Languages for permission to complete this class in the same semester as the prerequisite course.
Deaf Studies - Interpreter Preparation

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  
REQUIRED CREDITS: 60

DEGREE CODE: DSINT-AAS

Please Note: Students MUST complete the AAS Deaf Studies before beginning work on this AAS.

DESCRIPTION

CSN offers the first Sign Language Interpreter Preparation program in Nevada. Upon completion of the program, students will have entry-level professional skills as Sign Language Interpreters and Translators.

It is our mission to improve the quality and quantity of interpreting services provided to individuals who are deaf, hard of hearing, and deaf-blind.

STUDENT LEARNING OUTCOMES

• Demonstrate conversational American Sign Language skills at a competency level equivalent to that of an interpreter.
• Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Consecutive Interpretation.
• Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Simultaneous Interpretation.
• Demonstrate basic interpreting skills and knowledge in specialized areas such as Deaf-Blind, Theatrical, Religious, Medical, Legal, and Education.
• Take and pass the EIPA-Pre Screening tool for employment with the Clark County School District as an interpreter.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201, PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (3 credits)
AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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**

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

**PLEASE NOTE:** Students MUST complete the AAS Deaf Studies before beginning work on this AAS.

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition</td>
<td>3-5</td>
</tr>
<tr>
<td>AM 156 A Survey of Deafness</td>
<td>1</td>
</tr>
<tr>
<td>AM 205 Introduction to Interpreting</td>
<td>4</td>
</tr>
<tr>
<td>AM 253 Deaf Culture</td>
<td>3</td>
</tr>
<tr>
<td>AM 255 Structure of American Sign Language</td>
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</table>

**TOTAL CREDITS:** 17-19

### SECOND SEMESTER

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>AM 206 Consecutive Interpreting</td>
<td>4</td>
</tr>
<tr>
<td>AM 254 Deaf History</td>
<td>3</td>
</tr>
<tr>
<td>AM 257 ASL/English Translation</td>
<td>3</td>
</tr>
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</table>

**TOTAL CREDITS:** 13

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions</td>
<td>4-6</td>
</tr>
<tr>
<td>AM 207 Simultaneous Interpreting</td>
<td>4</td>
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<tr>
<td>AM 208 Observation/Practicum in Interpreting</td>
<td>3</td>
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**TOTAL CREDITS:** 14

### FOURTH SEMESTER

<table>
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</tr>
</thead>
<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>AM 209 Advanced Interpreting</td>
<td>4</td>
</tr>
<tr>
<td>AM 210 Specialized Interpreting</td>
<td>3</td>
</tr>
<tr>
<td>AM 211 Internship in Interpreting</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 16

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

---

1. Corequisite AM 148 or Instructor approval. Contact the Department of World Languages for permission to complete this class in this semester.

2. PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

3. Prerequisite AM 207. Contact the Department of World Languages for permission to complete this class in the same semester as the prerequisite course.

4. Prerequisite AM 210. Contact the Department of World Languages for permission to complete this class in the same semester as the prerequisite course.
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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100</td>
<td>Introduction to Dental Assisting</td>
<td>2</td>
</tr>
<tr>
<td>DA 115B</td>
<td>Dental Health Education</td>
<td>1</td>
</tr>
<tr>
<td>DA 118B</td>
<td>Dental Materials for Dental Assistants</td>
<td>3</td>
</tr>
<tr>
<td>DA 119B</td>
<td>Dental Chairside Procedures</td>
<td>4</td>
</tr>
<tr>
<td>DA 123B</td>
<td>Practice Management and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>DA 124B</td>
<td>Integrated Science for Dental Assistants</td>
<td>4</td>
</tr>
<tr>
<td>DA 126B</td>
<td>Clinical Externship</td>
<td>6</td>
</tr>
<tr>
<td>DA 128B</td>
<td>Dental Radiology</td>
<td>3</td>
</tr>
<tr>
<td>DA 136B</td>
<td>Dental Specialties</td>
<td>3</td>
</tr>
</tbody>
</table>

Computations included in DA 123B
Human Relations included in DA 108B

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 108B</td>
<td>Introduction to Dental Assisting</td>
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<tr>
<td>DA 115B</td>
<td>Dental Health Education</td>
<td>1</td>
</tr>
<tr>
<td>DA 118B</td>
<td>Dental Materials for Dental Assistants</td>
<td>3</td>
</tr>
<tr>
<td>DA 119B</td>
<td>Dental Chairside Procedures</td>
<td>4</td>
</tr>
<tr>
<td>DA 123B</td>
<td>Practice Management and Procedures</td>
<td>3</td>
</tr>
<tr>
<td>DA 124B</td>
<td>Integrated Science for Dental Assistants</td>
<td>4</td>
</tr>
<tr>
<td>DA 126B</td>
<td>Clinical Externship</td>
<td>6</td>
</tr>
<tr>
<td>DA 128B</td>
<td>Dental Radiology</td>
<td>3</td>
</tr>
<tr>
<td>DA 136B</td>
<td>Dental Specialties</td>
<td>3</td>
</tr>
</tbody>
</table>

Computation included in DA 123B
Human Relations included in DA 108B

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
For more information visit www.csn.edu/honors.
• In no case, may one course be used to meet more than one requirement except for the Values 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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DEGREE PLAN TOTAL CREDITS: 32

1 All four classes are co-requisite.
2 All three classes are co-requisites.
3 Take DA 126B and DA 136B concurrently.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 100 or 101 or 107 or 113</td>
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<td>3-5</td>
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SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 108B Introduction to Dental Assisting</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>DA 115B Dental Health Education</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>DA 118B Dental Materials for Dental Assistants</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DA 119B Dental Chairside Procedures</td>
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<td>4</td>
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</table>

THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 119B Dental Chairside Procedures</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>DA 123B Practice Management and Procedures</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>DA 128B Dental Radiology</td>
<td></td>
<td>3</td>
</tr>
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</table>

FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DA 126B Clinical Externship</td>
<td></td>
<td>6</td>
</tr>
<tr>
<td>DA 136B Dental Specialties</td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>

DEGREE PLAN TOTAL CREDITS: 32

1 All four classes are co-requisite.
2 All three classes are co-requisites.
3 Take DA 126B and DA 136B concurrently.
Dental Hygiene
ASSOCIATE OF SCIENCE DEGREE (AS)

REQUIRED CREDITS: 88

DEGREE CODE: DH-AS

LIMITED ENTRY

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)

MATH 127 or 128

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 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 Polics

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)

STATISTICS

VALUES AND DIVERSITY

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
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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.

See Degree Plan on next page.
**DENTAL HYGIENE PROGRAM**

**ASSOCIATE OF SCIENCE DEGREE (AS)**

**REQUIRED CREDITS: 88**

**DEGREE CODE: DH-AS**

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3-5</td>
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<tr>
<td>ENG 100 or 101 or 113</td>
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</tr>
<tr>
<td>BIOL 223 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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**SECOND SEMESTER**

<table>
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<tr>
<td>ENG 102 or 114</td>
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<tr>
<td>BIOL 224 Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>COM 101 or COM 102</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
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<tr>
<td>CHEM 121 General Chemistry I</td>
<td>4</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
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**FOURTH SEMESTER**

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<th>Course</th>
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<tbody>
<tr>
<td>DH 102 Oral Biology</td>
<td>3</td>
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<td>DH 104 Dental Hygiene I</td>
<td>3</td>
</tr>
<tr>
<td>DH 105 Introduction to Clinical Practice</td>
<td>2</td>
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<tr>
<td>DH 107 Legal and Ethical Implications in Dental Hygiene</td>
<td>2</td>
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<tr>
<td>DH 110 Concepts of Oral Health</td>
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<td>CLS 261 Clinical Microbiology for Dental Hygienists</td>
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<tr>
<td>CLS 262 Applied Clinical Microbiology for Dental Hygienists</td>
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<tr>
<td>Optional(^2) - DH 116B Supervised Clinical Practice</td>
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**FIFTH SEMESTER**

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<tbody>
<tr>
<td>DH 112 Oral Radiology</td>
<td>3</td>
</tr>
<tr>
<td>DH 115 Clinical Practice I</td>
<td>3</td>
</tr>
<tr>
<td>DH 117 Periodontics I</td>
<td>2</td>
</tr>
<tr>
<td>DH 119 General and Oral Pathology for Dental Hygienists</td>
<td>2</td>
</tr>
<tr>
<td>DH 122 Nutritional Aspects in Dentistry</td>
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</tr>
<tr>
<td>DH 202 Pharmacology</td>
<td>2</td>
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**SIXTH SEMESTER**

<table>
<thead>
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<tbody>
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<td>DH 209 Pain and Anxiety Control</td>
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<td>Optional(^2) - DH 116B Supervised Clinical Practice</td>
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**SEVENTH SEMESTER**

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<td>DH 203 Special Patients</td>
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<tr>
<td>DH 208 Community Dental Health I</td>
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<tr>
<td>DH 210 Clinical Dental Hygiene II</td>
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<tr>
<td>DH 211 Dental Materials and Techniques for Dental Hygienists</td>
<td>2</td>
</tr>
<tr>
<td>DH 212 Periodontic Principles II</td>
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<td>Optional(^2) - DH 116B Supervised Clinical Practice</td>
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**EIGHTH SEMESTER**

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<td>DH 216 Principles of Dental Practice</td>
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<tr>
<td>DH 217 Periodontics III</td>
<td>1</td>
</tr>
<tr>
<td>DH 219 Community Dental Health Field Experience</td>
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<td>DH 220 Clinical Dental Hygiene III</td>
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<tr>
<td>Optional(^2) - DH 296 Board Review</td>
<td>1</td>
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<tr>
<td>Optional(^2) - DH 116B Supervised Clinical Practice</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

**DEGREE PLAN TOTAL CREDITS**

88-90 (94-96)

\(^1\)This course also covers the Values and Diversity general education requirement.

\(^2\)Optional DH courses listed on this pathway are offered to review topics in preparation for the Dental Hygiene National Board Exam and provide time for supervised clinical remediation. These courses are NOT included in the 88 credit total.
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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tr>
<td>DH 400</td>
<td>Leadership and Group Dynamics</td>
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<td>DH 402</td>
<td>Patient Diversity and Cultural Awareness</td>
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<tr>
<td>DH 404</td>
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<td>DH 406</td>
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<td>Clinical/Laboratory Teaching</td>
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<td>DH 442</td>
<td>Capstone Seminar II</td>
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### UPPER DIVISION CREDIT REQUIREMENTS (15 CREDITS)

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<th>Course Name</th>
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<tr>
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<td>3</td>
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<tr>
<td>ENG 333</td>
<td>Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>EPY 303</td>
<td>Educational Psychology</td>
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<td>PHIL 302</td>
<td>Intermediate Reasoning and Critical Thinking</td>
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<td>PHIL 311</td>
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### SPECIAL PROGRAM REQUIREMENTS (16 CREDITS)

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<tr>
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<td>DH 442</td>
<td>Capstone Seminar II</td>
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</tbody>
</table>

**FULL-TIME STUDENT DEGREE PLAN**

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

**PLEASE NOTE:**
Applicants must achieve 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)

<table>
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<tr>
<th>Course Code</th>
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**TOTAL CREDITS**

**SECOND SEMESTER**

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<tr>
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**TOTAL CREDITS**

**THIRD SEMESTER**

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</table>

**DEGREE PLAN TOTAL CREDITS**

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

DEGREE CODE: DHPHS-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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>A.S. or A.A.S from a CODA accredited Dental Hygiene Program</td>
<td>30</td>
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<tr>
<td>and Lower Division General Education Credits Awarded</td>
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<tr>
<td>Additional Credits - May be Dental Hygiene course credits</td>
<td>55</td>
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<tr>
<td>General Education US &amp; Nevada Constitutions</td>
<td>4-6</td>
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<tr>
<td>Recommended: PSC 101 Introduction to American Politics</td>
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UPPER DIVISION

GENERAL EDUCATION REQUIREMENTS (15 CREDITS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COM 340 Cross Culture Communication in Health Care</td>
<td>3</td>
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<tr>
<td>ENG 333 Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>EPY 303 Educational Psychology</td>
<td>3</td>
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<tr>
<td>PHIL 302 Intermediate Reasoning and Critical Thinking</td>
<td>3</td>
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<tr>
<td>PHIL 311 Professional Ethics</td>
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SPECIAL PROGRAM REQUIREMENTS (16 CREDITS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>DH 400 Leadership and Group Dynamics</td>
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<tr>
<td>DH 402 Patient Diversity and Cultural Awareness</td>
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<tr>
<td>DH 406 Future Directions in Dental Hygiene</td>
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<tr>
<td>DH 408 Introduction to Teaching Methodologies</td>
<td>2</td>
</tr>
<tr>
<td>DH 412 Dental Public Health Administration</td>
<td>2</td>
</tr>
<tr>
<td>DH 422 Oral Epidemiology and Biostatistics</td>
<td>2</td>
</tr>
<tr>
<td>DH 440 Capstone Seminar I</td>
<td>2</td>
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</tbody>
</table>

Please note that this degree requires a minimum GPA of 2.0 and the completion of all courses with a grade of C or better. The program also includes a capstone project that integrates all aspects of the curriculum.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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
DEGREE CODE: DHPHS-BS

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

**PLEASE NOTE:**
Applicants must have achieved a minimum of 30 general education credits and a
total of 89 transferrable credits (up to 55 credits may be awarded for DH designated
course credits) prior to admission to the program. Effective Fall 2014, applicants
must also have completed the U.S. and Nevada Constitutions requirement prior to
acceptance into the BSDH program.

<table>
<thead>
<tr>
<th>FIRST SEMESTER (SUMMER)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COM 340 Cross Cultural Communication</td>
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<td>EPY 303 Educational Psychology</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<th>SECOND SEMESTER</th>
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<tr>
<td>PHIL 302 Intermediate Reasoning and Critical Thinking</td>
<td>3</td>
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<tr>
<td>DH 400 Leadership and Group Dynamics</td>
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<td>DH 408 Teaching Methodologies</td>
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<th>THIRD SEMESTER</th>
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<tr>
<td>ENG 333 Professional Communications</td>
<td>3</td>
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<td>2</td>
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</table>

**DEGREE PLAN TOTAL CREDITS** 31

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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.
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**

Ultrasoundography 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 6021 University Boulevard, Suite 500, Ellicott City, MD 21043, (651) 731-1582.

**STUDENT LEARNING OUTCOMES**

- Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
- Assess and facilitate basic patient care and comfort during sonographic procedures.
- Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

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

### GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

**MATHEMATICS** (3 credits)
MATH 116 or above (except MATH 122, 123)

**ENGLISH COMPOSITION** (3-5 credits)
See AAS policy p. 48 for courses

**COMMUNICATIONS** (3 credits)
Recommended: COM 101 Oral Communication

**HUMAN RELATIONS** (3 credits)
Recommended: PSY 101 General Psychology

**NATURAL SCIENCE** (12 credits)
BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above

**FINE ARTS/HUMANITIES/SOCIAL SCIENCES** (3 credits)
AM 145 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

**U.S. AND NEVADA CONSTITUTIONS** (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

### SPECIAL PROGRAM REQUIREMENTS (61 CREDITS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<td>HIT 117B</td>
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<tr>
<td>SON 102B</td>
<td>Basic Cardiac Sonography</td>
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<td>SON 102L</td>
<td>Basic Cardiac Sonography Lab</td>
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<td>SON 116B</td>
<td>Echocardiography I</td>
<td>3</td>
</tr>
<tr>
<td>SON 125B</td>
<td>Sonographic Physics and Instrumentation I</td>
<td>3</td>
</tr>
<tr>
<td>SON 135B</td>
<td>Cardiovascular Ultrasound Physics</td>
<td>2</td>
</tr>
<tr>
<td>SON 150B</td>
<td>Patient Care for Imaging Professions</td>
<td>3</td>
</tr>
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<td>SON 160B</td>
<td>Sonographic Scanning Lab I</td>
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<td>SON 190B</td>
<td>Sonographic Physics and Instrumentism II</td>
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<td>SON 195B</td>
<td>Sonographic Scanning Lab II</td>
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<td>SON 216B</td>
<td>Echocardiography II</td>
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<td>SON 225B</td>
<td>Stress Echocardiography</td>
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<td>SON 250B</td>
<td>Seminar and Case Review I</td>
<td>2</td>
</tr>
<tr>
<td>SON 255B</td>
<td>Seminar and Case Review II</td>
<td>2</td>
</tr>
<tr>
<td>SON 261B</td>
<td>Pediatric Echocardiography</td>
<td>3</td>
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<tr>
<td>SON 262B</td>
<td>Pediatric Echocardiography</td>
<td>2</td>
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<tr>
<td>SON 275B</td>
<td>Vascular Sonography I</td>
<td>3</td>
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<tr>
<td>SON 275L</td>
<td>Vascular Sonography Laboratory I</td>
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<td>SON 276B</td>
<td>Vascular Sonography II</td>
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<tr>
<td>SON 282B</td>
<td>Sonographic Clinical Practicum III</td>
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<td>SON 283B</td>
<td>Sonographic Clinical Practicum IV</td>
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<td>SON 284B</td>
<td>Sonographic Clinical Practicum V</td>
<td>3</td>
</tr>
<tr>
<td>SON 291B</td>
<td>Cardiac Registry Review</td>
<td>2</td>
</tr>
</tbody>
</table>

**NOTE**
- Course numbers with the “H” 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**

**DEGREE CODE: SONCCARAAS**

## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER
- **Credits**
  - BIOL 189 Fundamentals of Life Science\(^1\) (4)
  - Complete Mathematics (see courses previous page) 3
  - Complete AAS English Composition p. 48 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**
  - Application due to Limited Entry - Deadline is February 1st every year

### 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

### 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)

\(^1\)This course is a prerequisite to BIOL 223.
Diagnostic Medical Sonography – General/Vascular Ultrasound Track

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 93

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
Ultrasoundography 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 6021 University Boulevard, Suite 500, Ellicott City, MD 21043, (651) 731-1582.

STUDENT LEARNING OUTCOMES
• Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
• Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
• Assess and facilitate basic patient care and comfort during sonographic procedures.
• Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

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

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

MATHMATICS (3 credits)
MATH 116 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 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 143 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (62 CREDITS)

HIT 117B Medical Terminology I 1
SON 101B Basic Sonography 3
SON 101L Basic Sonography Laboratory 1
SON 125B Sonographic Physics and Instrumentation I 3
SON 150B Patient Care for Imaging Professions 3
SON 160B Sonographic Scanning Lab I 2
SON 190B Sonographic Physics and Instrumentation II 3
SON 195B Sonographic Scanning Lab II 2
SON 210B Abdominal Sonography I 3
SON 220B Abdominal Sonography II 3
SON 235B Gynecologic Sonography 3
SON 245B Obstetrical Sonography I 3
SON 250B Seminar and Case Review I 2
SON 255B Seminar and Case Review II 2
SON 260B Obstetrical Sonography II 3
SON 270B Small Parts/Pediatric Sonography 2
SON 275B Vascular Sonography I 3
SON 275L Vascular Sonography Laboratory I 1
SON 276B Vascular Sonography II 3
SON 276L Vascular Sonography Laboratory II 1
SON 280B Sonographic Clinical Practicum I 2
SON 281B Sonographic Clinical Practicum II 2
SON 282B Sonographic Clinical Practicum III 3
SON 283B Sonographic Clinical Practicum IV 3
SON 284B Sonographic Clinical Practicum V 3
SON 290B Sonography Registry Review 2

See Degree Plan on next page.

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td>BIOL 189 Fundamentals of Life Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete Mathematics (see courses previous page)</td>
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<td></td>
<td>Complete AAS English Composition p. 48</td>
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<tr>
<td></td>
<td></td>
<td>COM 101 Oral Communication</td>
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<td></td>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td>BIOL 223 Human Anatomy and Physiology I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete Fine Arts/Humanities/Social Science</td>
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<tr>
<td></td>
<td></td>
<td>PSC 101 Introduction to American Politics</td>
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<td></td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
<td>PSY 101 General Psychology</td>
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<tr>
<td></td>
<td></td>
<td>BIOL 224 Human Anatomy and Physiology II</td>
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<td></td>
<td>EGG 131 and EGG 131L; or PHYS 110 or above</td>
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<tr>
<td></td>
<td></td>
<td>HIT 117B Medical Terminology I</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>FOURTH SEMESTER</strong></td>
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<td>Application due to Limited Entry - Deadline is February 1st every year</td>
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<tr>
<td><strong>FIFTH SEMESTER</strong></td>
<td></td>
<td>SON 101B Basic Sonography</td>
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<tr>
<td></td>
<td></td>
<td>SON 101L Basic Sonography Laboratory</td>
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<td></td>
<td></td>
<td>SON 150B Patient Care for Imaging Professions/Lab</td>
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<td><strong>TOTAL CREDITS</strong></td>
</tr>
<tr>
<td><strong>SIXTH SEMESTER</strong></td>
<td></td>
<td>SON 125B Sonographic Physics and Instrumentation I</td>
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<td>SON 160B Sonographic Scanning Lab I</td>
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<td></td>
<td></td>
<td>SON 210B Abdominal Sonography I</td>
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<td>SON 235B Gynecologic Sonography</td>
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<td></td>
<td>SON 280B Sonographic Clinical Practicum I</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>SEVENTH SEMESTER</strong></td>
<td></td>
<td>SON 190B Sonographic Physics and Instrumentation II</td>
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<td>SON 195B Sonographic Scanning Lab II</td>
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<td>SON 220B Abdominal Sonography II</td>
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<td></td>
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<td>SON 245B Obstetrical Sonography I</td>
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<td></td>
<td></td>
<td>SON 281B Sonographic Clinical Practicum II</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>EIGHTH SEMESTER</strong></td>
<td></td>
<td>SON 282B Sonographic Clinical Practicum III</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>NINTH SEMESTER</strong></td>
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<td>SON 260B Obstetrical Sonography II</td>
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<td></td>
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<td></td>
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<td>SON 283B Sonographic Clinical Practicum IV</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>TENTH SEMESTER</strong></td>
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<td>SON 255B Seminar and Case Review II</td>
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<td></td>
<td></td>
<td>SON 284B Sonographic Clinical Practicum V</td>
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<tr>
<td></td>
<td></td>
<td>SON 290B Sonography Registry Review</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
<td></td>
<td><strong>93 (97) - 97 (101)</strong></td>
</tr>
</tbody>
</table>

1This course is a prerequisite to BIOL 223.
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)

MATHMATICS (3 credits)
Recommended: MATH 104B Applied Mathematics

ENGLISH COMPOSITION (3-5 credits)
Recommended: ENG 107 Technical Communications I

COMMUNICATIONS (3 credits)
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Recommended: ALS 101 College Success

NATURAL SCIENCE (3 credits)
Recommended: AST 101 General Astronomy

FINE ARTS/HUMANITIES/ SOCIAL SCIENCE (3 credits)
Recommended: COM 101 Oral Communication

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

DT 104 Diesel Equipment Service 4
DT 115 Diesel/Heavy Equipment Electrical Systems 4
DT 117 Advanced Diesel/Heavy Equipment Electronics 4
DT 136 Diesel Engine Repair I 4
DT 138 Diesel Engine Repair II 4
DT 145 Diesel Brake Systems 4
DT 150B Diesel Hydraulics 4
DT 155 Steering, Suspension and Directional Controls 4
DT 165 Diesel/Heavy Equipment Heating and Air Conditioning 4
DT 205 Diesel/Heavy Equipment Drive Train and Axles 4

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

FIRST SEMESTER

Credits
MATH 104B Applied Mathematics 3
ALS 101 College Success 3
DT 104 Diesel Equipment Service 4
DT 115 Diesel/Heavy Equipment Electrical Systems 4
DT 117 Advanced Diesel/Heavy Equipment Electronics 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 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

• Prerequisite DT 104. Contact Department of Applied Technologies to receive permission to complete these courses in the same semester.
• Prerequisite DT 115 or Instructor approval. Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.
• Prerequisite DT 136 or Instructor approval. Contact the Department of Applied Technologies to receive permission to complete these courses in the same semester.

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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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Diesel Heavy Equipment Maintenance Technician
CERTIFICATE OF ACHIEVEMENT (CA) 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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>DT 104</td>
<td>Diesel Equipment Service</td>
<td>4</td>
</tr>
<tr>
<td>DT 115</td>
<td>Diesel/Heavy Equipment Electrical Systems</td>
<td>4</td>
</tr>
<tr>
<td>DT 117</td>
<td>Advanced Diesel/Heavy Equipment Electronics</td>
<td>4</td>
</tr>
<tr>
<td>DT 136</td>
<td>Diesel Engine Repair I</td>
<td>4</td>
</tr>
<tr>
<td>DT 145</td>
<td>Diesel Brake Systems</td>
<td>4</td>
</tr>
<tr>
<td>DT 150B</td>
<td>Diesel Hydraulics</td>
<td>4</td>
</tr>
<tr>
<td>DT 165</td>
<td>Diesel/Heavy Equipment Heating and Air Conditioning</td>
<td>4</td>
</tr>
</tbody>
</table>

Computation included in DT 115
Human Relations included in DT 104

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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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If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3
DT 104 Diesel Equipment Service 4
DT 115 Diesel/Heavy Equipment Electrical Systems 4
DT 117 Advanced Diesel/Heavy Equipment Electronics 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.
# 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.

## 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. 47 for courses

### Literature (3 credits)
- See AA/AB/AS policy p. 47 for courses

### Analytical Reasoning (3 credits)
- See AA/AB/AS policy p. 47 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. 48 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

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS English Composition p. 47</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDU 214 Preparing Teachers to Use Technology</td>
<td>3</td>
</tr>
<tr>
<td>ECE 250 Introduction to Early Childhood Education</td>
<td>3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<th>SECOND SEMESTER</th>
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</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS English Composition p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science¹ (With Lab - see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>EDU 280 Valuing Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td>ECE 251 Curriculum in Early Childhood Education</td>
<td>3</td>
</tr>
<tr>
<td>ECE 252 Infant/Toddler Curriculum</td>
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<tr>
<th>THIRD SEMESTER</th>
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<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions² p. 48</td>
<td>4-6</td>
</tr>
<tr>
<td>EDU 220 Principles of Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>ECE 260 Children’s Literature</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>1</td>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete Fine Arts (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities³ (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
<tr>
<td>EDU 299 Education Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>EDU 232 Practicum: Infant and Toddler</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (No Lab - see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

**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 PROGRAM

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. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
Required: ECE 202 Understanding Human Growth and Development

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 116, 117; GEOL 100 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHL 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. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

MGT 103 Introduction to Small Business Management 3
ECE 130 Infancy 3
ECE 200 The Exceptional Child 3
ECE 204 Principles of Child Guidance 3
ECE 231 Preschool Practicum 3
ECE 232 Practicum: Infant and Toddler 3
ECE 235 Adapting Curricula for Young Children with Special Needs 3
ECE 240 Administration of the Preschool 3
ECE 245 Practicum Seminar 2
ECE 250 Introduction to Early Childhood Education 3
ECE 251 Curriculum in Early Childhood Education 3
ECE 252 Infant/Toddler Curriculum 3
ECE 274 Individual Child and Family 3

See Degree Plan on next page.

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

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

*Note: The following courses are not available every semester and should be taken when offered:*

**ECE 130, ECE 204, ECE 235\(^1\), ECE 240, ECE 274**

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>ECE 202 Understanding Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 250 Introduction to Early Childhood Education</td>
<td>3</td>
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</table>

**TOTAL CREDITS**

12-15

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 200 The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 251 Curriculum in Early Childhood Education</td>
<td>3</td>
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**TOTAL CREDITS**

12

**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
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<tr>
<td>Complete Fine Arts/Humanities/Social Sciences (see courses previous page)</td>
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<td>ECE 252 Infant/Toddler Curriculum</td>
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**TOTAL CREDITS**

6

**FOURTH SEMESTER**

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions(^2) p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>MGT 103 Practical Human Relations for Business</td>
<td>3</td>
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<tr>
<td>ECE 231 Preschool Practicum</td>
<td>3-4</td>
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<tr>
<td>ECE 232 Practicum Infant and Toddler</td>
<td>3-4</td>
</tr>
<tr>
<td>ECE 245 Practicum Seminar(^3)</td>
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</table>

**TOTAL CREDITS**

15-19

**COURSES TAKEN WHEN OFFERED**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Complete courses when offered - see note at top of page</td>
<td>15</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

60-67

\(^1\)Prerequisite for this course is ECE 200 and ECE 251.

\(^2\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and HIST 102 or 217 in the fourth semester.

\(^3\)ECE 245 must be taken concurrently with ECE 231 or 232.
Early Childhood Education – Early Care and Education
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 60
DEGREE CODE: ECEECE-AAS

PROGRAM DESCRIPTION
The Associate of Applied Science degree in Early Childhood Education – Child Care and Education is designed for students seeking careers and/or personal growth in the field of early childhood education. The program provides students with both theoretical and practical skills needed to work in an infant/toddler, preschool setting, family day care, child care center, or in other child centered jobs. Upon completion of this degree, students may go directly into employment.

STUDENT LEARNING OUTCOMES
• Discuss the elements and dynamics of quality education and care for young children ages 0-5.
• Demonstrate appropriate skills for providing quality education and care for young children ages 0-5.
• Demonstrate appropriate skills in interacting with young children ages 0-5 and their families.
• Distinguish typical and atypical development in young children ages 0-5.
• Demonstrate appropriate skills in modifying the care and education of young children ages 0-5 to allow for the appropriate inclusion of those with atypical development.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHMATICS (3 credits)
MATH 104B or above

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
Required: ECE 202 Understanding Human Growth and Development

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 116, 117; GEOL 100 or above

FINE ARTS/HUMANITIES/ SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (33 credits)
ECE 122 Observation Skills 1
ECE 130 Infancy 3
ECE 154 Literature for Preschool Children 1
ECE 155 Literacy and the Young Child 1
ECE 156 Music in the Preschool Curriculum 1
ECE 157 Art in the Preschool Curriculum 1
ECE 158 Activities for Physical Development in Young Children 1
ECE 162 Teaching the Two Year 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 Practicum Seminar 2
ECE 232 Practicum: Infant and Toddler 3

See Degree Plan on next page.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
• In no case, may one course be used to meet more than one requirement except for the Values 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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FULL-TIME STUDENT DEGREE PLAN

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

Note: The following courses are not available every semester and should be taken when offered:

ECE 122, ECE 127, ECE 130, ECE 134, ECE 151, ECE 152, ECE 154, ECE 155, ECE 156, ECE 157, ECE 158, ECE 204, ECE 2351, and ECE 274

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
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<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
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<tr>
<td>ECE 202 Understanding Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 250 Introduction to Early Childhood Education</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions2 p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>Complete AAS Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 200 The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 251 Curriculum in Early Childhood Education</td>
<td>3</td>
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THIRD SEMESTER

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<th>Course</th>
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<tbody>
<tr>
<td>Complete AAS Fine Arts/Humanities/Soc. Sci. (see courses previous page)</td>
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<tr>
<td>ECE 252 Infant/Toddler Curriculum</td>
<td>3</td>
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FOURTH SEMESTER

<table>
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<tr>
<th>Course</th>
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<tr>
<td>ECE 231 or ECE 232</td>
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<tr>
<td>ECE 245 Practicum Seminar3</td>
<td>2</td>
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COURSES TAKEN WHEN OFFERED

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<tr>
<td>Courses completed when offered -See note at top of page4, 5</td>
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<td><strong>TOTAL CREDITS</strong></td>
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DEGREE PLAN TOTAL CREDITS

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<tbody>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>60-65</strong></td>
</tr>
</tbody>
</table>

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 (CA)

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 Two-Year Old  1
ECE 200  The Exceptional Child  3
ECE 202  Understanding Human Growth and Development  3
ECE 204  Principles of Child Guidance  3
ECE 252  Infant/Toddler Curriculum  3

Computation included in MATH 104B or above
Human Relations included in ECE 202

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

1 Choose from BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102
2 Choose from COM 101 or COM 102 or COM 215

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

CERTIFICATE OF ACHIEVEMENT (CA)  REQUIRED CREDITS: 30  DEGREE CODE: ECEPRE-CT

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)

<table>
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<tr>
<th>Mathematics (3 credits)</th>
<th>Communications (6-8 credits)</th>
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<tbody>
<tr>
<td>MATH 104B or above</td>
<td>3-5 credits from the following:</td>
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<tr>
<td></td>
<td>BUS 108; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102</td>
</tr>
</tbody>
</table>

Plus 3 credits from the following:
COM 101 or 102 or 215

SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)

<table>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<td>ECE 151</td>
<td>Math in the Preschool Curriculum</td>
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<tr>
<td>ECE 152</td>
<td>Science in the Preschool Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>ECE 155</td>
<td>Literacy and the Young Child</td>
<td>1</td>
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<tr>
<td>ECE 156</td>
<td>Music in the Preschool Curriculum</td>
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</tr>
<tr>
<td>ECE 157</td>
<td>Art in the Preschool Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>ECE 158</td>
<td>Activities for Physical Development in Young Children</td>
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<tr>
<td>ECE 200</td>
<td>The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Understanding Human Growth and Development</td>
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<td>ECE 204</td>
<td>Principles of Child Guidance</td>
<td>3</td>
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<td>ECE 250</td>
<td>Introduction to Early Childhood Education</td>
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<tr>
<td>ECE 251</td>
<td>Curriculum in Early Childhood Education</td>
<td>3</td>
</tr>
</tbody>
</table>

Computation included in MATH 104B or above
Human Relations included in ECE 202

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete Mathematics (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Complete Communications (see courses this page)</td>
<td>3-5</td>
</tr>
<tr>
<td>ECE 156</td>
<td>Music in the Preschool Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>ECE 157</td>
<td>Art in the Preschool Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>ECE 158</td>
<td>Activities for Physical Development in Young Children</td>
<td>1</td>
</tr>
<tr>
<td>ECE 202</td>
<td>Understanding Human Growth and Development</td>
<td>3</td>
</tr>
<tr>
<td>ECE 250</td>
<td>Introduction to Early Childhood Education</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS ............................................................................................15-17

SECOND SEMESTER
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Complete Communications (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>ECE 151</td>
<td>Math in Preschool Curriculum</td>
<td>1</td>
</tr>
<tr>
<td>ECE 152</td>
<td>Science in the Preschool</td>
<td>1</td>
</tr>
<tr>
<td>ECE 155</td>
<td>Literacy and the Young Child</td>
<td>1</td>
</tr>
<tr>
<td>ECE 200</td>
<td>The Exceptional Child</td>
<td>3</td>
</tr>
<tr>
<td>ECE 204</td>
<td>Principles of Child Guidance</td>
<td>3</td>
</tr>
<tr>
<td>ECE 251</td>
<td>Curriculum in Early Childhood Education</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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 PROGRAM
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)

<table>
<thead>
<tr>
<th>Mathematics (3 credits)</th>
<th>Recommended: MATH 124 College Algebra (with a C or better)</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Composition (6-8 credits)</td>
<td>See AA/AB/AS policy p. 47 for courses (with a C or better)</td>
</tr>
<tr>
<td>Literature (3 credits)</td>
<td>See AA/AB/AS policy p. 47 for courses</td>
</tr>
<tr>
<td>Analytical Reasoning (3 credits)</td>
<td>Recommended: PHIL 102 Reasoning and Critical Thinking</td>
</tr>
<tr>
<td>Natural Science (6-7 credits)</td>
<td>See AA/AB/AS policy p. 48 for courses</td>
</tr>
<tr>
<td>Humanities (6 credits)</td>
<td>COM 101; and one course from the following: ENG 223 or above; HIST; PHIL 101, 119, 129, 201, 202, 203; RST</td>
</tr>
<tr>
<td>Fine Arts (3 credits)</td>
<td>See AA/AB/AS policy p. 48 for courses</td>
</tr>
<tr>
<td>U.S. and Nevada Constitutions (4-6 credits)</td>
<td>See AA/AB/AS policy p. 48 for courses</td>
</tr>
<tr>
<td>Values and Diversity</td>
<td>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</td>
</tr>
</tbody>
</table>

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

<table>
<thead>
<tr>
<th>Core Requirements (15 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 102 Principles of Microeconomics</td>
</tr>
<tr>
<td>ECON 103 Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 180 The Economics of Discrimination</td>
</tr>
<tr>
<td>ECON 261 Principles of Statistics I</td>
</tr>
<tr>
<td>ECON 262 Principles of Statistics II</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Choose one from the following (3 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECON 295 Special Topics in Economics</td>
</tr>
<tr>
<td>MATH 132 Finite Mathematics (or above)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Social Science/World Languages (8-9 credits)</th>
</tr>
</thead>
<tbody>
<tr>
<td>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</td>
</tr>
</tbody>
</table>

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**

## ECONOMICS PROGRAM

**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 124</td>
<td>3</td>
<td>College Algebra(^1)</td>
</tr>
<tr>
<td>ENG 100 or 101</td>
<td>3-5</td>
<td>or 113(^1)</td>
</tr>
<tr>
<td>PHIL 102</td>
<td>3</td>
<td>Reasoning and Critical Thinking</td>
</tr>
<tr>
<td>COM 101</td>
<td>3</td>
<td>Oral Communication</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>15-17</strong></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 102 or 114(^1)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AS/AB Natural Science(^2) (with lab) p. 48</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Complete Social Science/World Languages(^3) (see courses previous page)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ECON 102</td>
<td>3</td>
<td>Principles of Microeconomics</td>
</tr>
<tr>
<td>Complete Humanities(^4) (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>16-17</strong></td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (no lab) p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Social Science/World Languages(^3) (see courses previous page)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>ECON 103</td>
<td>3</td>
<td>Principles of Macroeconomics</td>
</tr>
<tr>
<td>ECON 261</td>
<td>3</td>
<td>Principles of Statistics</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>16</strong></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions(^5) p. 48</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>ECON 180</td>
<td>3</td>
<td>The Economics of Discrimination</td>
</tr>
<tr>
<td>ECON 262</td>
<td>3</td>
<td>Principles of Statistics II</td>
</tr>
<tr>
<td>ECON 295 or MATH 132</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>13-15</strong></td>
</tr>
<tr>
<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
<td><strong>60-65</strong></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\)Must complete course with a C or higher.

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

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

\(^4\)Use the course list that follows “COM 101 and one course from the following”

\(^5\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester, and take HIST 102 or 217 in the 4th semester.

\(^6\)ECON 180 also counts for the Values and Diversity General Education requirement.
ECONOMICS PROGRAM

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)

MATHMATICS (3 credits)
Recommended: MATH 124 College Algebra (with a C or better)

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses (with a C or better)

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 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. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 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/WORLD LANGUAGES (8-9 credits)
Nine credits from at least two different disciplines:
ANTH (except 102); GLO; PSC 200 or above; PSY; SOC; WMST 113; or 8 credits in two courses in the same language

See Degree Plan on next page.

NOTE
• Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
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### FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 124 College Algebra</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
</tbody>
</table>

| SECOND SEMESTER | Credits | |
|-----------------|---------|
| ENG 102 or 114 | 3 |
| Complete AA/AS/AB Natural Science (with lab) p. 48 | 3-4 |
| Complete Social Science/World Languages (see courses previous page) | 4 |
| ECON 102 Principles of Microeconomics | 3 |
| Complete Humanities (see courses previous page) | 3 |
| **TOTAL CREDITS** | **16-17** |

| THIRD SEMESTER | Credits | |
|----------------|---------|
| Complete AA/AB/AS Natural Science (no lab) p. 48 | 3 |
| Complete AA/AB/AS Literature p. 47 | 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 | 4-6 |
| ECON 275 Risk Management Economics | 3 |
| ECON 276 Internship in Financial Economics | 3 |
| Complete Social Science/World Languages (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. 48. 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 World Languages then choose 8 credits in two courses from the same language; this degree plan reflects completing the World 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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 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. 48 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**

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS English Composition p. 47</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>EDU 214 Preparing Teachers to Use Technology</td>
<td>3</td>
</tr>
<tr>
<td>EDU 201 Introduction to Elementary Education</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS English Composition p. 47</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 101 Biology for Non-Majors</td>
<td>4</td>
</tr>
<tr>
<td>Complete US/Nevada Constitutions¹ (see courses previous page)</td>
<td>4-6</td>
</tr>
<tr>
<td>EDU 203 Introduction to Special Education</td>
<td>3</td>
</tr>
<tr>
<td>EDU 210 Nevada School Law</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>GEOG 103 Physical Geography</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>EDU 220 Principles of Educational Psychology</td>
<td>3</td>
</tr>
<tr>
<td>EDU 280 Valuing Cultural Diversity</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>HIST 217 Nevada History</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 105 Chemistry, Man and Society</td>
<td>3</td>
</tr>
<tr>
<td>MATH 122 Number Concepts for Elementary School Teachers</td>
<td>3</td>
</tr>
<tr>
<td>EDU 299 Education Portfolio</td>
<td>1</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
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</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS...**

Note: 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.
**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. 47 for courses

**LITERATURE (3 credits)**
See AA/AB/AS policy p. 47 for courses

**ANALYTICAL REASONING (3 credits)**
See AA/AB/AS policy p. 47 for courses

**NATURAL SCIENCE (6-7 credits)**
(Two courses from the following, one must include a lab):
ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**SOCIAL SCIENCE (9 credits)**
(Nine credits must be from three different disciplines):
ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113

**U.S. AND NEVADA CONSTITUTIONS (4-6 credits)**
PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

**VALUES AND DIVERSITY**
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

**CORE REQUIREMENTS (15 credits)**
EDU 202 Introduction to Secondary Education 3
EDU 210 Nevada School Law 2
EDU 214 Preparing Teachers to Use Technology 3
EDU 220 Principles of Educational Psychology 3
EDU 280 Valuing Cultural Diversity 3
EDU 299 Education Portfolio 1

**ELECTIVES (choose 11 transferable credits)**
See a counselor to select courses

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

**FIRST SEMESTER Credits**
- Complete Mathematics (see courses this page) 3
- Complete AA/AB/AS English Composition p. 47 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**...5-17

**SECOND SEMESTER Credits**
- Complete AA/AB/AS English Composition p. 47 3
- Complete AA/AB/AS Natural Science (No Lab - see courses this page) 3
- Complete Social Science 4 (see courses this page) 3
- EDU 210 Nevada School Law 2
- EDU 280 Valuing Cultural Diversity 3
- Complete Electives (see courses this page) 3
- **TOTAL CREDITS**...17

**THIRD SEMESTER Credits**
- Complete AA/AB/AS Natural Science 4 (With Lab - see courses this page) 3-4
- Complete Social Science 4 (see courses this page) 3
- Complete AA/AB/AS US/Nevada Constitutions 4 p. 48 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. 47 3
- Complete AA/AB/AS Analytical Reasoning p. 47 3
- Complete Social Science 4 (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.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog.
- If a program is official after a student has matriculated, the student may choose the degree requirements of 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.

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tr>
<td>MATH 120</td>
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<tr>
<td>Complete Mathematics (see courses this page)</td>
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<td>Complete AA/AB/AS English Composition p. 47</td>
<td>3-5</td>
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<tr>
<td>EDU 202 Introduction to Secondary Education</td>
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<td>EDU 214 Preparing Teachers to Use Technology</td>
<td>3</td>
</tr>
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<td>Complete Electives (see courses this page)</td>
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<tr>
<th>SECOND SEMESTER</th>
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<tr>
<td>Complete AA/AB/AS English Composition p. 47</td>
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<tr>
<td>COM 101 Oral Communication</td>
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<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
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<tr>
<td>EDU 210 Nevada School Law</td>
<td>2</td>
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<tr>
<td>EDU 280 Valuing Cultural Diversity</td>
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<tr>
<td>HIST 217 Nevada History</td>
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<tr>
<td>Complete Social Science</td>
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<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions</td>
<td>4-6</td>
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<tr>
<td>EDU 220 Principles of Educational Psychology</td>
<td>3</td>
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<td>Complete Electives (see courses this page)</td>
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<td>Complete Social Science</td>
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<td>Complete Electives (see courses this page)</td>
<td>5</td>
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</table>

| 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.
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)

MATH (3 credits)
Math 120 or above

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for course

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for course

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for course

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. 48 for course

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 102 and HIST 111

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

CORE REQUIREMENTS (15 credits)
EDU 202 Introduction to Secondary Education 3
EDU 210 Nevada School Law 2
EDU 214 Preparing Teachers to Use Technology 3
EDU 220 Principles of Educational Psychology 3
EDU 280 Valuing Cultural Diversity 3
EDU 299 Education Portfolio 1

ELECTIVES (choose 11 transferable credits)
See a counselor to select courses

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

FIRST SEMESTER

EDU 299 Education Portfolio 1
EDU 202 Introduction to Secondary Education 3
EDU 214 Preparing Teachers to Use Technology 3
COMPLETE GENERAL EDUCATION REQUIREMENTS (6-8 credits)
COMPLETE ANALYTICAL REASONING (3 credits)
COMPLETE LITERATURE (3 credits)
COMPLETE HUMANITIES (6 credits)
COMPLETE FINE ARTS (3 credits)
COMPLETE U.S./NEVADA CONSTITUTIONS (4-6 credits)

SECOND SEMESTER

EDU 280 Valuing Cultural Diversity 3
EDU 210 Nevada School Law 2
EDU 220 Principles of Educational Psychology 3
COMPLETE GENERAL EDUCATION REQUIREMENTS (6-8 credits)
COMPLETE ELECTIVES (6-7 credits)
COMPLETE CORE REQUIREMENTS (15 credits)
COMPLETE GENERAL EDUCATION REQUIREMENTS (6-8 credits)
COMPLETE ANALYTICAL REASONING (3 credits)
COMPLETE LITERATURE (3 credits)
COMPLETE HUMANITIES (6 credits)
COMPLETE FINE ARTS (3 credits)
COMPLETE U.S./NEVADA CONSTITUTIONS (4-6 credits)

THIRD SEMESTER

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

FOURTH SEMESTER

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

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.
**EDUCATION PROGRAM**

**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. 47 for courses

**LITERATURE (3 credits)**  
See AA/AB/AS policy p. 47 for courses

**ANALYTICAL REASONING (3 credits)**  
See AA/AB/AS policy p. 47 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. 48 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  
EDU 210  Nevada School Law  
EDU 214  Preparing Teachers to Use Technology  
EDU 220  Principles of Educational Psychology  
EDU 280  Valuing Cultural Diversity  
EDU 299  Education Portfolio

**ELECTIVES (choose 11 credits)**  
See a counselor to select transferable credits

**FULL-TIME STUDENT DEGREE PLAN**

**FIRST SEMESTER**

- Complete AA/AB/AS English Composition p. 47  
- Complete Mathematics (see courses this page)  
- COM 101 Oral Communication  
- EDU 203 Introduction to Special Education  
- EDU 214 Preparing Teachers to Use Technology

**TOTAL CREDITS**....................................................................................... 15-17

**SECOND SEMESTER**

- Complete AA/AB/AS English Composition p. 47  
- Complete AA/AB/AS Natural Science (No Lab - see courses this page)  
- Complete AA/AB/AS US/Nevada Constitutions¹ p. 48  
- EDU 210 Nevada School Law  
- EDU 280 Valuing Cultural Diversity

**TOTAL CREDITS**....................................................................................... 15-17

**THIRD SEMESTER**

- HIST 217 Nevada History  
- Complete AA/AB/AS Literature p. 47  
- Complete AA/AB/AS Natural Science² (With Lab - see courses this page)  
- EDU 220 Principles of Educational Psychology  
- Complete Electives (see courses this page)

**TOTAL CREDITS**....................................................................................... 15-16

**FOURTH SEMESTER**

- Complete AA/AB/AS Analytical Reasoning p. 47  
- Complete AA/AB/AS Fine Arts p. 48  
- EDU 299 Education Portfolio  
- Complete Electives (see courses this page)

**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.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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 PROGRAM

Engineering Technology – Electronics – Bench Technician

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 65

DEGREE CODE: ETBT-AAS

DESCRIPTION
The Associate of Applied Science Degree in Engineering Technology with Electronics – Bench Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, telecommunications, microprocessor programming and interface, and in-depth analysis of analog and digital circuits. Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in bench repair functions. Instruction takes place in a hands-on, state-of-the-art environment.

Educational Objectives - Within a few years of graduation: Graduates from CSN’s Engineering Technology with Electronics – Bench Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

STUDENT LEARNING OUTCOMES

• Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
• Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier’s frequency response.
• Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
• Demonstrate commitment to quality, timeliness, continuous improvement, while showing an understanding of the need for and an ability to engage in continuing professional development.
• Demonstrate a working knowledge of common modulation/transmission methods to include such as AM, FM and Pulse modulation. The Bench concentration will also focus upon more advanced analog/digital circuits.

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

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

MATHEMATICS (3 credits)
Choices: ET 111B or MATH 127 or above
Recommended: ET 111B Mathematics for Electronics Applications

ENGLISH COMPOSITION (3-5 credits)
Choices: ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
Choices: COM 115 or ENG 107
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Choices: See AAS policy p. 48 for courses
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)
Choices: See AAS policy p. 49 for courses
Recommended: MUS 231 Recording Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AAS policy p. 49 for courses
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (38 credits)

ET 104B Fabrication and Soldering Techniques 2
ET 106B Test Equipment Operation 3
ET 131B DC for Electronics 4
ET 132B AC for Electronics 4
ET 212B Digital Logic I 4
ET 213B Digital Logic II 4
ET 220B Solid State Devices and Circuits I 4
ET 222B Solid State Devices and Circuits II 4
ET 226B Data Acquisition 3
ET 282B Microprocessors I 3
ET 293B Telecommunication Transmission Methods 3

Digital Literacy Requirement (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
## Engineering Technology – Electronics – Bench Technician

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**  
**REQUIRED CREDITS: 65**  
**DEGREE CODE: ETBT-AAS**

### FULL-TIME STUDENT DEGREE PLAN

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

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<tr>
<th>Semester</th>
<th>Course Title</th>
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<td>ET 111B Mathematics for Electronics Applications</td>
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<td>ENG 100 or 101 or 113</td>
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<tr>
<td></td>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
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<tr>
<td></td>
<td>ET 104B Fabrication and Soldering Techniques</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>ET 131B DC for Electronics</td>
<td>4</td>
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<td><strong>15-17</strong></td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td>COM 115 Applied Communication</td>
<td>3</td>
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<tr>
<td></td>
<td>ET 132B AC for Electronics</td>
<td>4</td>
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<tr>
<td></td>
<td>ET 212B Digital Logic I</td>
<td>4</td>
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<td></td>
<td>ET 106B Test Equipment Operation</td>
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<td></td>
<td>IS 100B or IS 101</td>
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<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td>ET 220B Solid State Devices and Circuits I</td>
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<td>ET 228 Data Acquisition</td>
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<td><strong>FOURTH SEMESTER</strong></td>
<td>EGG 131 and 131L</td>
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<td>PSC 101 Introduction to American Politics</td>
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<td></td>
<td>ET 213B Digital Logic II</td>
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<td>ET 282B Microprocessors I</td>
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<td><strong>FIFTH SEMESTER</strong></td>
<td>EGG 132 Technical Physics II</td>
<td>4</td>
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<tr>
<td></td>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>ET 222B Solid State Devices and Circuits II</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>ET 293B Telecommunications Transmission Methods</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS......................................................**65-70
DESCRIPTION
The Associate of Applied Science Degree in Engineering Technology with Electronics – Biomedical Equipment Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, microprocessor programming and interface, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in biomedical equipment repair functions. Instruction takes place in a hands-on, state-of-the-art environment.

Educational Objectives - Within a few years of graduation: Graduates from CSN’s Engineering Technology with Electronics – Biomedical Equipment Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

STUDENT LEARNING OUTCOMES
• Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
• Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier’s frequency response.
• Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
• Demonstrate commitment to quality, timeliness, continuous improvement, 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)

MATHMATICS (3 credits)
Choices: ET 111B or MATH 127 or above
Recommended: ET 111B Mathematics for Electronics Applications

ENGLISH COMPOSITION (3-5 credits)
Choices: ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
Choices: COM 115 or ENG 107
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Choices: See AAS policy p. 48 for courses
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)
Choices: See AAS policy p. 49 for courses
Recommended: MUS 231 Recording/Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AAS policy p. 49 for courses
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (42 CREDITS)

CORE REQUIREMENTS (42 credits)

CTT 112B Network+ 3
CTT 114B IT Essentials 4
ET 104B Fabrication and Soldering Techniques 2
ET 131B DC for Electronics 4
ET 132B AC for Electronics 4
ET 212B Digital Logic I 4
ET 220B Solid State Devices and Circuits I 4
ET 228B Data Acquisition 3
HHP 123B Introduction to the Human Body 4
HIT 105B Healthcare Delivery Systems 3
HIT 118B Language of Medicine 3
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4

Digital Literacy Requirement (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

See Degree Plan on next page.

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

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 69**

**DEGREE CODE: ETBET-AAS**

## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
<td>3</td>
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<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
</tr>
<tr>
<td>ET 104B Fabrication and Soldering Techniques</td>
<td>2</td>
</tr>
<tr>
<td>ET 131B DC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
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<td>COM 115 Applied Communication</td>
<td>3</td>
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<tr>
<td>ET 132B AC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ET 212B Digital Logic I</td>
<td>4</td>
</tr>
<tr>
<td>CIT 114B IT Essentials</td>
<td>4</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-18</strong></td>
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<table>
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<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
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<tr>
<td>ET 220B Solid State Devices and Circuits I</td>
<td>4</td>
</tr>
<tr>
<td>ET 228 Data Acquisition</td>
<td>3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td>EGG 131 and 131L</td>
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</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>CIT 112B Network+</td>
<td>3</td>
</tr>
<tr>
<td>HHP 123B Introduction to the Human Body</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
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<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGG 132 Technical Physics II</td>
<td>4</td>
</tr>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>HIT 105B Healthcare Delivery Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIT 118B Language of Medicine</td>
<td>3</td>
</tr>
<tr>
<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS..................................................69-74**
**DESCRIPTION**
The Associate of Applied Science Degree in Engineering Technology with Electronics – Defense Contractor Technician prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, telecommunications, microprocessor programming-interfacing, in-depth analysis of analog and digital circuits, computer fundamentals, and network fundamentals. Specialized electives for topics such as test equipment, in-depth analysis of electrical and power supply troubleshooting, radar systems, and microwave systems are offered. Accredited by the Engineering Technology Accreditation Commission of ABET, [http://www.abet.org](http://www.abet.org).

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in defense contractor functions. Instruction takes place in a hands-on, state-of-the-art environment.

**Educational Objectives - Within a few years of graduation:** Graduates from CSN’s Engineering Technology with Electronics – Defense Contractor Technician program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the work force with professional work ethics and with the commitment to lifelong learning, quality, and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

**STUDENT LEARNING OUTCOMES**
- Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
- Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier’s frequency response.
- Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
- Demonstrate commitment to quality, timeliness, continuous improvement, while showing an understanding of the need for and an ability to engage in continuing professional development.
- Demonstrate a working knowledge of common modulation/transmission methods to include such as AM, FM and Pulse modulation. The Defense Contractor will focus upon circuit repair along with systems such as radar.

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

### GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

#### MATHEMATICS (3 credits)
- Choices: ET 111B or MATH 127 or above
- Recommended: ET 111B Mathematics for Electronics Applications

#### ENGLISH COMPOSITION (3-5 credits)
- Choices: ENG 100 or 101 or 113

#### COMMUNICATIONS (3 credits)
- Choices: COM 115 or ENG 107
- Recommended: COM 115 Applied Communication

#### HUMAN RELATIONS (3 credits)
- Choices: See AAS policy p. 48 for courses
- Recommended: HIST 106 European Civilization Since 1648

#### NATURAL SCIENCE (8 credits)
- Required: EGG 131 and 131L and ET 131B

#### FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
- Choices: See AAS policy p. 49 for courses
- Recommended: MUS 231 Recording Techniques I

#### U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
- Choices: See AAS policy p. 49 for courses
- Recommended: PSC 101 Introduction to American Politics

### SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

#### CORE REQUIREMENTS (37 credits)
- CIT 112B Networking +
- CIT 114B IT Essentials
- CIT 173 Introduction to Linux
- ET 104B Fabrication and Soldering Techniques
- ET 132B AC for Electronics
- ET 212B Digital Logic I
- ET 213B Digital Logic II
- ET 220B Solid State Devices and Circuits I
- ET 228B Data Acquisition
- ET 282B Microprocessors I
- ET 293B Telecommunication Transmission Methods

#### Digital Literacy Requirement (0-3 credits)
- IS 100B Core Computing Competency
- IS 101 Introduction to Information Systems

#### ET Electives (choose 3-4 credits)
- ET 100B Test Equipment Operation
- ET 113B Introduction to Radar
- ET 125B RF and Microwave Devices
- ET 205B Power Supply Theory and Repair
- ET 206B Video Monitor Theory and Repair (or above - up to ET 285B)
- ET 289B Electrical Troubleshooting

See Degree Plan on next page.

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

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
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<tr>
<td>CIT 114B IT Essentials</td>
<td>4</td>
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<tr>
<td>ET 104B Fabrication and Soldering Techniques</td>
<td>2</td>
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<tr>
<td>ET 131B DC for Electronics</td>
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*TOTAL CREDITS: 16-18*

### SECOND SEMESTER

<table>
<thead>
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<th>Course Description</th>
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<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
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<tr>
<td>ET 132B AC for Electronics</td>
<td>4</td>
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<tr>
<td>ET 212B Digital Logic I</td>
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<tr>
<td>CIT 112 Network+</td>
<td>3</td>
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<td>IS 100B or IS 101</td>
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*TOTAL CREDITS: 14-17*

### THIRD SEMESTER

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<tr>
<td>ET 220B Solid State Devices and Circuits I</td>
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<tr>
<td>ET 228 Data Acquisition</td>
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*TOTAL CREDITS: 7*

### FOURTH SEMESTER

<table>
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<tr>
<th>Course Description</th>
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<tr>
<td>EGG 131 and 131L</td>
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<tr>
<td>CIT 173 Introduction to Linux</td>
<td>3</td>
</tr>
<tr>
<td>ET 213B Digital Logic II</td>
<td>4</td>
</tr>
<tr>
<td>ET 282B Microprocessors I</td>
<td>3</td>
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*TOTAL CREDITS: 14*

### FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
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<tr>
<td>HIST 106 European Civilization Since 1648</td>
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<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
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<tr>
<td>ET 293B Telecommunications Transmission Methods</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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</table>

*TOTAL CREDITS: 16-17*

### DEGREE PLAN TOTAL CREDITS

*67-73*
**Engineering Technology – Electronics**

**CERTIFICATE OF ACHIEVEMENT (CA)**

**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, Karnaugh 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

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tr>
<td>ET 111B</td>
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<tr>
<td>ET 106B</td>
<td>3</td>
</tr>
<tr>
<td>ET 131B</td>
<td>4</td>
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<tr>
<td>ET 132B</td>
<td>4</td>
</tr>
<tr>
<td>ET 212B</td>
<td>4</td>
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<tr>
<td>ET 220B</td>
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<tr>
<td>ET 228B</td>
<td>3</td>
</tr>
<tr>
<td>ET 282B</td>
<td>3</td>
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</table>

**SECOND SEMESTER**

<table>
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<th>Course</th>
<th>Credits</th>
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<td>COM 115</td>
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<tr>
<td>ET 132B</td>
<td>4</td>
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<td>ET 212B</td>
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**THIRD SEMESTER**

<table>
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<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 220B</td>
<td>4</td>
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<tr>
<td>ET 228B</td>
<td>3</td>
</tr>
<tr>
<td>ET 282B</td>
<td>3</td>
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</table>

**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: 61
DEGREE CODE: ETINDU-AAS

DESCRIPTION
This program provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Industrial Emphasis focuses on those skills used in industrial settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES
• Ensure the level of knowledge and ability to select, test, set up, and maintain various electro-mechanical systems and machinery and perform basic system calculations.
• Construct, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
• Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
• Demonstrate knowledge and skills in basic mathematical calculations, communication, and teamwork concepts.

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

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

- MATHEMATICS (3 credits)
  Choices: ET 111B or MATH 116 or 124 or 126 or 127
  Recommended: MATH 116 Technical Mathematics

- ENGLISH COMPOSITION (3-5 credits)
  See AAS policy p. 48 for courses

- COMMUNICATIONS (3 credits)
  Choices: BUS 108 or COM 101 or 115
  Recommended: COM 115 Applied Communication

- HUMAN RELATIONS (3 credits)
  Choices: See AAS policy p. 49 for courses
  Recommended: HIST 106 European Civilization Since 1648

- NATURAL SCIENCE (8 credits)
  Required: EGG 131 and 131L and either ET 131B or MT 102B
  Recommended (for “and either” portion of required): MT 102B

- FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
  Choices: See AAS policy p. 49 for courses
  Recommended: MUS 231 Recording Techniques I

- U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
  Choices: See AAS policy p. 49 for courses
  Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (34 CREDITS)

- CORE REQUIREMENTS (34 credits)
  ADT 100B Introduction to Drafting Theory 3
  CADD 100 Introduction to Computer Aided Drafting 3
  CIT 119B Business Data Networks 3
  CONS 120B Construction Plans and Specifications 3
  MT 104B Industrial Electricity 4
  MT 106B Mechanical Power Transmission 4
  MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4
  MT 110B Material Science I (Ferrous and Non-Ferrous) 4
  MT 115B Programmable Logic Controllers I 3
  MT 116B Programmable Logic Controllers II 3

- Digital Literacy Requirement (0-3 credits)
  IS 100B Core Computing Competency 0
  IS 101 Introduction to Information Systems 3

- Full-Time Student Degree Plan
  Add more semesters to modify this plan to fit part-time student needs.

- FIRST SEMESTER
  Credits
  IS 100B or IS 101 0-3

- SECOND SEMESTER
  Credits
  MT 104B Programmable Logic Controllers II 3

- THIRD SEMESTER
  Credits
  PSC 101 Introduction to American Politics 4

- FOURTH SEMESTER
  Credits
  MT 110B Material Science I (Ferrous and Non-Ferrous) 4
  MT 115B Programmable Logic Controllers I 3

- FIFTH SEMESTER
  Credits
  MUS 231 Recording Techniques I 3

DEGREE PLAN TOTAL CREDITS: 61-66

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

Certificate of Achievement in Engineering Technology, Industrial Emphasis

**DESCRIPTION**
The Certificate of Achievement in Engineering Technology, Industrial Emphasis is an 18-month program that provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The industrial emphasis focuses on those skills used in industrial settings. Courses include Industrial Electricity, Mechanical Power Transmission and Programmable Logic Controllers.

**STUDENT LEARNING OUTCOMES**
- Show the knowledge and demonstrate the ability to select, test, set up, and maintain various electromechanical systems and machinery and perform basic system calculations.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Assemble, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Show the ability and skills to prepare technical reports and communicate the results through effective oral communications.

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

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3 credits)**
- Choices: COM 115 or ENG 107
- Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)**

**CORE REQUIREMENTS (29 credits)**
- CADD 100 Introduction to Computer Aided Drafting 3
- CIT 119B Business Data Networks 3
- MT 102B Fundamentals of Electricity 4
- MT 104B Industrial Electricity 4
- MT 106B Mechanical Power Transmission 4
- MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4
- MT 110B Material Science I (Ferrous and Non-Ferrous) 4
- MT 115B Programmable Logic Controllers I 3

**Digital Literacy Requirement (0-3 credits)**
- IS 100B Core Computing Competency 0
- IS 101 Introduction to Information Systems 3

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

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

**IS 100B is a certification test, if certification test isn’t passed, student must take IS 101. The student can always bypass IS 100B and just take IS 101.**
Engineering Technology - Management
CERTIFICATE OF ACHIEVEMENT (CA) 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 requirement 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; CSCE; EE; EGG; ET; MATH 124 or higher; PHYS; MT 104B, 115B, 116B

Computation included in ET 494
Human Relations included in ET 494

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

FIRST SEMESTER Credits
ENG 102 Composition II 3
Complete Electives #1 (see courses this page) 9
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 PROGRAM

Engineering Technology – Operations
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60
DEGREE CODE: ETOPER-AAS

DESCRIPTION
This degree provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Operations Emphasis focuses on those skills used in operational settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES
• Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
• Explain and show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
• Apply the skills and knowledge to various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
• Utilize knowledge and skills in mathematics, written and oral communication, and teamwork.
• Demonstrate skills necessary for further education and managerial positions.

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

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

MATHEMATICS (3 credits)
Choices: ET 111B or MATH 116 or 124 or 126 or 127
Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
Choices: BUS 108 or COM 101 or 115
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Choices: See AAS policy p. 48 for courses
Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)
Required: EGG 131 and 131L and either ET 131B or MT 102B
Recommended (for “and either” portion of required): MT 102B

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Choices: See AAS policy p. 49 for courses
Recommended: MUS 231 Recording Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AAS policy p. 49 for courses
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)

CORE REQUIREMENTS (33 credits)
AC 103B  Introduction to HVAC Mechanical Theory and Application 5
CIT 119B  Business Data Networks 3
CONS 120B  Construction Plans and Specifications 3
MT 104B  Industrial Electricity 4
MT 106B  Mechanical Power Transmission 4
MT 108B  Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4
MT 110B  Material Science I (Ferro and Non-Ferro) 4
MT 115B  Programmable Logic Controllers I 3
MT 116B  Programmable Logic Controllers II 3

Digital Literacy Requirement (0-3 credits)
IS 100B  Core Computing Competency 0
IS 101  Introduction to Information Systems 3

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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
# Full-Time Student Degree Plan

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

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>AC 103B Introduction to HVAC Mechanical Theory and Application</td>
<td>5</td>
</tr>
<tr>
<td>CONS 120B Construction Plans and Specifications</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-18</strong></td>
</tr>
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</table>

### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>CIT 119B Business Data Networks</td>
<td>3</td>
</tr>
<tr>
<td>EGG 131 Technical Physics I</td>
<td>3</td>
</tr>
<tr>
<td>EGG 131L Technical Physics I – Lab</td>
<td>1</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>4</strong></td>
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</table>

### Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>MT 106B Mechanical Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>MT 110B Material Science I (Ferrous and Non-Ferrous)</td>
<td>4</td>
</tr>
<tr>
<td>MT 115B Programmable Logic Controllers I</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14-15</strong></td>
</tr>
</tbody>
</table>

### Fifth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
</tr>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
</tr>
<tr>
<td>MT 116B Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

**Degree Plan Total Credits**: 60-65
DESCRIPTION
The Certificate of Achievement in Engineering Technology, Operations 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 Operations emphasis focuses on those skills used in operational settings. Courses include Industrial Electricity, Mechanical Power Transmission and Fluid Power.

STUDENT LEARNING OUTCOMES
• Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
• Show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
• Employ the skills and knowledge to apply various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
• Prepare technical reports and communicate the results through effective oral communications.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)
COMMUNICATIONS (3 credits)
Choices: COM 115 or ENG 107
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)
CORE REQUIREMENTS (24 credits)
AC 103B Introduction to HVAC Mechanical Theory and Application 5
CONS 120B Construction Plans and Specifications 3
MT 102B Fundamentals of Electricity 4
MT 104B Industrial Electricity 4
MT 106B Mechanical Power Transmission 4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4

ELECTIVES (choose at least 3 credits that have the approved prefix)
Any course with EGG, ET, MT, or WELD prefix

Computation included in MT 102B
Human Relations included in MT 102B

NOTE
• Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog.

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

FIRST SEMESTER
CREDITS
COM 115 Applied Communication 3
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
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. 48 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.
• In no case, may one course be used to meet more than one requirement except for the Values 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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## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>2-3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 12-16

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
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</table>

**TOTAL CREDITS**: 14

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
</tr>
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</table>

**TOTAL CREDITS**: 7

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>MT 106B Mechanical Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>MT 115B Programmable Logic Controllers I</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
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</table>

**TOTAL CREDITS**: 14

### FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>MT 110B Material Science (Ferrous and Non-Ferrous)</td>
<td>4</td>
</tr>
<tr>
<td>MT 116B Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS**: 13

### DEGREE PLAN TOTAL CREDITS

**60-62**
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.

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

FIRST SEMESTER Credits
MATH 116 Technical Mathematics 3
COM 115 Applied Communication 3
MT 102B Fundamentals of Electricity 4
MT 106B Mechanical Power Transmission 4
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 PROGRAM

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. 48 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.
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## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>2-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12-16</strong></td>
</tr>
</tbody>
</table>

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
</tr>
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</table>

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
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<tr>
<td>HIST 106 European Civilization Since 1648</td>
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### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>MT 106B Mechanical Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>MT 115B Programmable Logic Controllers I</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
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</table>

### FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>MT 110B Material Science (Ferrous and Non-Ferrous)</td>
<td>4</td>
</tr>
<tr>
<td>MT 116B Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
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</table>

**DEGREE PLAN TOTAL CREDITS** ........................................................................ 60-62
Engineering Technology – Power Utility – Mechanical Maintenance
CERTIFICATE OF ACHIEVEMENT (CA) 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

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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.
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FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
MATH 116 Technical Mathematics 3
COM 115 Applied Communication 3
MT 102B Fundamentals of Electricity 4
MT 106B Mechanical Power Transmission 4
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
ENGINEERING TECHNOLOGY PROGRAM

Engineering Technology - Power Utility - Plant Operation
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS) REQUIRED CREDITS: 60 DEGREE CODE: ETUPO-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. 48 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

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.
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**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
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<tbody>
<tr>
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<td>Complete AAS English Composition p. 48</td>
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<tr>
<td>MT 102B Fundamentals of Electricity</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
<td>2-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>12-16</td>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COM 115 Applied Communication</td>
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<tr>
<td>MT 104B Industrial Electricity</td>
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<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
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<td>HIST 106 European Civilization Since 1648</td>
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<table>
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<tr>
<th>FOURTH SEMESTER</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
</tr>
<tr>
<td>MT 106B Mechanical Power Transmission</td>
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<tr>
<td>MT 115B Programmable Logic Controllers I</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
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<tbody>
<tr>
<td>MUS 231 Recording Techniques I</td>
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</tr>
<tr>
<td>MT 110B Material Science (Ferrous and Non-Ferrous)</td>
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</tr>
<tr>
<td>MT 116B Programmable Logic Controllers II</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>13</td>
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</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS** ......................................................... 60-66
DESCRIPTION
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- Participate in an on-the-job training experience in a power generating plant or dam.
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FULL-TIME STUDENT DEGREE PLAN
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<tr>
<th>FIRST SEMESTER</th>
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<tbody>
<tr>
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</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electricity</td>
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</tr>
<tr>
<td>MT 106B Mechanical Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
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</tr>
<tr>
<td>SECOND SEMESTER</td>
<td>Credits</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
<td>4</td>
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<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
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</tr>
<tr>
<td>Complete Electives (see courses this page)</td>
<td>3-4</td>
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<tr>
<td>TOTAL CREDITS</td>
<td>11-12</td>
</tr>
<tr>
<td>THIRD SEMESTER</td>
<td>Credits</td>
</tr>
<tr>
<td>MT 115B Programmable Logic Controllers I</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses this page)</td>
<td>3-4</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>6-7</td>
</tr>
<tr>
<td>DEGREE PLAN TOTAL CREDITS</td>
<td>31-33</td>
</tr>
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</table>

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Engineering Technology – Self-Service Device Technicians
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 63
DEGREE CODE: ETSELF-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)
See AAS policy p. 48 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
CTT 110 A+ Hardware 3
CTT 112B Network+ 3
CSCO 105B Fundamentals of Voice and Data Cabling 3
CSCO 120 CCNA Internetworking Fundamentals 4
ET 132B AC for Electronics 4
ET 212B Digital Logic I 4
ET 238B Device Peripherals 3
ET 294B EET Capstone 3
Elective #1 (choose 2-3 credits)
ET 100B Survey of Electronics 3
ET 104B Fabrication and Soldering Techniques 2-3

Elective #2 (choose 4 credits)
ET 205B Power Supply Theory and Repair 2-3
ET 206B Video Monitor Theory and Repair 2-3
ET 289B Electrical Troubleshooting 4

Elective #3 (choose 0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

See Degree Plan on next page.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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For more information visit www.csn.edu/honors.
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### Engineering Technology – Self-Service Device Technicians

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 63**

**DEGREE CODE: ETSELF-AAS**

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### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
</tr>
<tr>
<td>ACC 135B Bookkeeping I</td>
<td>3</td>
</tr>
<tr>
<td>ET 100B or 104B</td>
<td>2-3</td>
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**TOTAL CREDITS: 14-17**

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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>ET 131B DC for Electronics</td>
<td>4</td>
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<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 110 A+ Hardware</td>
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**TOTAL CREDITS: 13-16**

<table>
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<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
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<tr>
<td>ET 132B AC for Electronics</td>
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**TOTAL CREDITS: 7**

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<tbody>
<tr>
<td>CIT 112B Network+</td>
<td>3</td>
</tr>
<tr>
<td>ET 212B Digital Logic I</td>
<td>4</td>
</tr>
<tr>
<td>ET 238B Device Peripherals</td>
<td>3</td>
</tr>
<tr>
<td>ET 205B or ET 206B or ET 289B</td>
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**TOTAL CREDITS: 14**

<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
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<tr>
<td>PSC 101 Introduction to American Politics</td>
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<tr>
<td>ET 294B EET Capstone</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 120 CCNA Internetworking Fundamentals</td>
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</tbody>
</table>

**TOTAL CREDITS: 15**

**DEGREE PLAN TOTAL CREDITS: 63-69**

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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 (CA)

REQUIRED CREDITS: 32

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. Networks used to support modern slot machine gaming are also covered.

STUDENT LEARNING OUTCOMES
• Develop a working knowledge of the theory of operation of a typical electronics slot machine; a working knowledge of Pseudo Random Number Generators; a working knowledge of ROM, PROM, EPROM, EEPROM and RAM; a working knowledge of stepper motors.
• Describe the operation of peripheral devices; the external features of a slot machine; the coin-in coin-out assemblies; the modes of operation of the electronics slot machine.
• Identify electronic circuits and components used in slot machines.
• Develop an understanding of the installation of physical network infrastructure that support devices such as slot machines and computers.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3-5 credits)
Choices: COM 115 or ENG 100 or 101 or 107 or 113
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

CSCO 105B Fundamentals of Voice and Data Cabling 3
ET 104B Fabrication and Soldering Techniques 2
ET 106B Test Equipment Operation 3
ET 111B Mathematics for Electronics Applications 3
ET 131B DC for Electronics 4
ET 132B AC for Electronics 4
ET 138B Introduction to Slot Machine Technology 3
ET 212B Digital Logic I 4
ET 238B Device Peripherals 3

Computation included in ET 111B

Human Relations included in CSCO 105B

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
ET 104B Fabrication and Soldering Techniques 2
ET 106B Test Equipment Operation 3
ET 131B DC for Electronics 4
ET 138B Introduction to Slot Machine Technology 3

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
CSCO 105B Fundamentals of Voice and Data Cabling 3
ET 132B AC for Electronics 4
ET 238B Device Peripherals 3

TOTAL CREDITS ...............................................................................................10

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 – 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>CIT 110</td>
<td>A+ Hardware</td>
<td>3</td>
</tr>
<tr>
<td>CIT 112B</td>
<td>Network+</td>
<td>3</td>
</tr>
<tr>
<td>CIT 263B</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 105B</td>
<td>Fundamentals of Voice and Data Cabling</td>
<td>3</td>
</tr>
<tr>
<td>ET 132B</td>
<td>AC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ET 138B</td>
<td>Introduction to Slot Machine Technology</td>
<td>3</td>
</tr>
<tr>
<td>ET 212B</td>
<td>Digital Logic I</td>
<td>4</td>
</tr>
<tr>
<td>ET 238B</td>
<td>Device Peripherals</td>
<td>3</td>
</tr>
<tr>
<td>ET 294B</td>
<td>EET Capstone</td>
<td>3</td>
</tr>
<tr>
<td>GAM 225</td>
<td>Introduction to Gaming Management</td>
<td>3</td>
</tr>
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</table>

**Elective #1 (choose 2-3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 100B</td>
<td>Survey of Electronics</td>
<td>3</td>
</tr>
<tr>
<td>ET 104B</td>
<td>Fabrication and Soldering Techniques</td>
<td>2-3</td>
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</table>

**Elective #2 (choose 4 credits)**

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<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ET 205B</td>
<td>Power Supply Theory and Repair</td>
<td>2-3</td>
</tr>
<tr>
<td>ET 206B</td>
<td>Video Monitor Theory and Repair</td>
<td>2-3</td>
</tr>
<tr>
<td>ET 289B</td>
<td>Electrical Troubleshooting</td>
<td>4</td>
</tr>
</tbody>
</table>

**Elective #3 (choose 0-3 credits)**

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>IS 100B</td>
<td>Core Computing Competency</td>
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</tr>
<tr>
<td>IS 101</td>
<td>Introduction to Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

**NOTE**

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

See Degree Plan on next page.
# Engineering Technology – Slot Technology Technicians

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS:** 65

**DEGREE CODE:** ETSLOT-AAS

## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
</tr>
<tr>
<td>ET 138 Introduction to Slot Machine Technology</td>
<td>3</td>
</tr>
<tr>
<td>ET 100B or 104B</td>
<td>2-3</td>
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**TOTAL CREDITS:** 14-17

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>ET 131B DC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>CIT 110 A+ Hardware</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
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**TOTAL CREDITS:** 13-16

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
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<tr>
<td>ET 132B AC for Electronics</td>
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</table>

**TOTAL CREDITS:** 7

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>CIT 112B Network+</td>
<td>3</td>
</tr>
<tr>
<td>ET 212B Digital Logic I</td>
<td>4</td>
</tr>
<tr>
<td>ET 233B Device Peripherals^1</td>
<td>3</td>
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<tr>
<td>ET 205B or ET 206B or ET 289B</td>
<td>4</td>
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**TOTAL CREDITS:** 14

### FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EGG 131 and 131L</td>
<td>4</td>
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<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>CIT 263B Project Management</td>
<td>3</td>
</tr>
<tr>
<td>ET 294B EET Capstone</td>
<td>3</td>
</tr>
<tr>
<td>GAM 225 Introduction to Gaming Management</td>
<td>3</td>
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</table>

**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.
The Associate of Applied Science Degree in Engineering Technology - Telecommunications Emphasis prepares students with the necessary skills required by today’s high-tech, high-wage telecommunications industry. Instruction includes; telecommunications and advanced telecommunications and advanced telecommunications topics; IP network installation, configuration, and maintenance; electronics and digital circuits; copper and fiber optic cabling installation. Accredited by the Engineering Technology Accreditation Commission of ABET, http://www.abet.org.

This two-year program provides the students with the methods and procedures used by technicians in the telecommunications industry. Instruction takes place in a hands-on, state-of-the-art environment.

Educational Objectives - Within a few years of graduation: Graduates from CSN’s Telecommunication Engineering Technology Program will demonstrate the ability to apply technical, managerial, design and application skills necessary to install, manage, operate, and maintain telecommunication systems. Graduates will have effective technical communication skills necessary to function on professional teams. Graduates are prepared to enter the working force with professional work ethics, with the commitment to lifelong learning, quality and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

STUDENT LEARNING OUTCOMES

• Construct, test, and verify the operation of voice and data cables, various analog, digital and microprocessor/microcontroller circuits, demonstrate a working knowledge of filter circuits, fiber optics, electronics/telecommunications laboratory test equipment.
• Perform IP network installation, maintenance, configuration, analysis, and management, while utilizing devices such as Routers and PCs.
• Explain the signaling and system structure of the various types of telephones, such as the mobile, IP based, and traditional.
• Distinguish between the various modulation and multiplexing techniques commonly employed in the telecommunication transmission systems.
• Demonstrate commitment to quality, timeliness, and continuous improvement, while showing an understanding of the need for and an ability to engage in self-directed continuing professional development.
• Support positive work ethics and interpersonal skills in a group environment and deliver written and oral reports on projects.

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

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

MATHEMATICS (3 credits)
Choices: ET 111B or MATH 127
Recommended: ET 111B Mathematics for Electronics Applications

ENGLISH COMPOSITION (3-5 credits)
Choices: ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
Choices: COM 115 or ENG 107
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Choices: See AAS policy p. 48 for courses
Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)
Required: EGG 131 and 131L and ET 131B

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Choices: See AAS policy p. 49 for courses
Recommended: MUS 231 Recording Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AAS policy p. 49 for courses
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

CORE REQUIREMENTS (33 credits)
CIT 112B Network+ 3
CISCO 105B Fundamentals of Voice and Data Cabling 3
CISCO 120 CCNA Internetworking Fundamentals 4
ET 108B Telecommunications and the Information Age 3
ET 132B AC for Electronics 3
ET 212B Digital Logic I 4
ET 228B Data Acquisition 3
ET 282B Microprocessors I 3
ET 293B Telecommunication Transmission Methods 3
ET 294B EET Capstone 3

Digital Literacy Requirement (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

ELECTIVES (choose 3 credits)
CIT 114B IT Essentials 4
CISCO 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.
## Engineering Technology – Telecommunications

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS:** 63  
**DEGREE CODE:** ETTELCOAAAS

### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
<td>3</td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>ET 131B DC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
</tr>
<tr>
<td>ET 108B Telecommunications and the Information Age</td>
<td>3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>CIT 112B Network+</td>
<td>3</td>
</tr>
<tr>
<td>ET 132B AC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ET 212B Digital Logic I</td>
<td>4</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
<td>3</td>
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<tr>
<td>PSC 101 Introduction to American Politics</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
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<tr>
<th>FOURTH SEMESTER</th>
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<tbody>
<tr>
<td>MUS 231 Recording Techniques I</td>
<td>3</td>
</tr>
<tr>
<td>CSCO 120 CCNA Internetworking Fundamentals</td>
<td>4</td>
</tr>
<tr>
<td>ET 228B Data Acquisition</td>
<td>3</td>
</tr>
<tr>
<td>ET 282B Microprocessors I</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
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<th>FIFTH SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>EGG 131 Technical Physics I</td>
<td>3</td>
</tr>
<tr>
<td>EGG 131L Technical Physics I – Lab</td>
<td>1</td>
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<tr>
<td>ET 293B Telecommunication Transmission Methods</td>
<td>3</td>
</tr>
<tr>
<td>ET 294B EET Capstone</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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**DEGREE PLAN TOTAL CREDITS** ......................................................... **63-68**
Engineering Technology – Telecommunications
CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 33 DEGREE CODE: ETTELCO-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)
Choices: COM 115 or ENG 100 or 101 or 107 or 113
Recommended: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

CIT 112B Network+ 3
CIT 114B IT Essentials 4
CSCO 105B Fundamentals of Voice and Data Cabling 3
CSCO 205B Fiber Optic Cabling 3
ET 106B Test Equipment Operation 3
ET 108B Telecommunications and the Information Age 3
ET 111B Mathematics for Electronics Applications 3
ET 131B DC for Electronics 4
ET 132B AC for Electronics 4

Computation included in ET 111B
Human Relations included in CSCO 105B, ET 132B

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

• Course numbers with the “H” 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
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CSCO 105B Fundamentals of Voice and Data Cabling</td>
<td>3</td>
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<tr>
<td>ET 106B Test Equipment Operation</td>
<td>3</td>
</tr>
<tr>
<td>ET 108B Telecommunications and the Information Age</td>
<td>3</td>
</tr>
<tr>
<td>ET 111B Mathematics for Electronics Applications</td>
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<tr>
<td>TOTAL CREDITS</td>
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SECOND SEMESTER
<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CIT 112B Network+</td>
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<tr>
<td>CIT 114B IT Essentials</td>
<td>4</td>
</tr>
<tr>
<td>CSCO 205B Fiber Optic Cabling</td>
<td>3</td>
</tr>
<tr>
<td>ET 132B AC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>TOTAL CREDITS</td>
<td>14</td>
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THIRD SEMESTER
<table>
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<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
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<tr>
<td>TOTAL CREDITS</td>
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</table>

DEGREE PLAN TOTAL CREDITS 33
Engineering Technology – Theatre Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: ETTHTR-AAS

DESCRIPTION
This degree provides students with classroom and laboratory experience in electricity, mechanical power, and fluid power systems. The Theater Technology emphasis focuses on those skills used in entertainment environment. Academic courses emphasizing relevant math, science and human relations are stressed to prepare students to meet challenges common in the theater environment. The effective combination of theoretical courses and hands-on experience gained through Co-Op enhances student’s ability to secure employment as well as future professional growth in theater technology.

STUDENT LEARNING OUTCOMES
• Show the necessary skills to design, assemble, and operate different fluid power systems and perform basic system calculations.
• Demonstrate a working knowledge of how to be effective in their technical roles as a theater technician.
• Obtain relevant up-to-date and applied knowledge and skills to set-up, upgrade and troubleshoot the equipment used in theater environment.
• Develop teamwork skills through design and operation of various mechanical power transmission systems and show potential to accept supervisory responsibilities as a manager.

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

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

MATHEMATICS (3 credits)
Choices: ET 111B or MATH 116 or 120 or 124 or 126 or 127
Recommended: MATH 116 Technical Mathematics

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
Choices: BUS 108 or COM 101 or 115
Recommended: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
Choices: See AAS policy p. 48 for courses
Recommended: HIST 106 European Civilization Since 1648

NATURAL SCIENCE (8 credits)
Required: EGG 131 and 131L and either ET 131B or MT 102B
Recommended (for “and either” portion of required): MT 102B

FINE ARTS/HUMANITIES/SOCIAL SCIENCE (3 credits)
Required: MUS 231 Recording Techniques I

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AAS policy p. 49 for courses
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)

CORE REQUIREMENTS (27 credits)
ADT 100B Introduction to Drafting Theory 3
CADD 100 Introduction to Computer Aided Drafting 3
ET 104B Fabrication and Soldering Techniques 2
MT 101B Introduction to Theater Technology 2
MT 104B Industrial Electricity 4
MT 106B Mechanical Power Transmission 4
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation) 4
THTR 204 Theater Technology I 3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations 2

Digital Literacy Requirement (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

ELECTIVES (choose at least 6 credits from the following)
CIT 119B Business Data Networks 3
ET 106B Test Equipment Operation 3
ET 132B AC for Electronics 4
MT 110B Material Science I (Ferrous and Non-Ferrous) 4
MT 115B Programmable Logic Controllers I 3
MT 116B Programmable Logic Controllers II 3
MT 183B Co-Op/Internship Third Semester 3
MT 184B Co-Op/Internship Fourth Semester 3
WELD 131B Blueprint Reading, Layout, and Sketching 3
WELD 133B SMAW (Stick) 4
WELD 134B GTAW (Tig) 4

See Degree Plan on next page.

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

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDITS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td>14</td>
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<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
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<tr>
<td>MT 102B Fundamentals of Electricity</td>
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<td>CADD 100 Introduction to Computer Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ET 104B Fabrication and Soldering Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MT 101B Introduction to Theater Technology</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td>15-17</td>
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<tr>
<td>Complete AAS English Composition</td>
<td>3-5</td>
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<tr>
<td>ADT 100B Introduction to Drafting Theory</td>
<td>3</td>
</tr>
<tr>
<td>MT 104B Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>THTR 204 Theater Technology I</td>
<td>3</td>
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<tr>
<td>WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td>6</td>
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<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>HIST 106 European Civilization Since 1648</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td>10-13</td>
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<tr>
<td>MUS 231 Recording Techniques I</td>
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<tr>
<td>MT 106B Mechanical Power Transmission</td>
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<tr>
<td>Complete Electives (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>0-3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>FIFTH SEMESTER</strong></td>
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<tr>
<td>EGG 131 Technical Physics I</td>
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<td>EGG 131L Technical Physics I – Lab</td>
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<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

60-65
**Engineering Technology – Theatre**

**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS: 31**

**DEGREE CODE: ETTHTHR-CT**

**DESCRIPTION**

The Certificate of Achievement in Engineering Technology, Theatre is an 18-month program that provides students with classroom and laboratory experience in electricity, mechanical power transmission, fluid power, and related design activities in theater technology. The Theatre Technology emphasis focuses on those skills used in theater and entertainment environment. The graduates of the program will be qualified to assume technical positions in the theater technology field, especially in the local area.

**STUDENT LEARNING OUTCOMES**

- Obtain relevant up-to-date and applied knowledge and skills to set-up, maintain, upgrade and troubleshoot the equipment used in a theater environment.
- Demonstrate how to be effective in their technical roles as a theater technician.
- Show the necessary skills to design, assemble, and operate various fluid power systems and perform basic system calculations.
- Develop skills through design and operation of mechanical power transmission systems and prepare technical reports and communicate the results through effective oral communications.

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

**GENERAL EDUCATION REQUIREMENTS (3 CREDITS)**

**COMMUNICATIONS (3-5 credits)**

Choices: COM 115 or ENG 100 or 101 or 107 or 113
Recommended: COM 115 Applied Communication

**SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)**

**CORE REQUIREMENTS (25 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ADT 100B</td>
<td>Introduction to Drafting Theory</td>
<td>3</td>
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<tr>
<td>CADD 100</td>
<td>Introduction to Computer Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>ET 104B</td>
<td>Fabrication and Soldering Techniques</td>
<td>2</td>
</tr>
<tr>
<td>MT 101B</td>
<td>Introduction to Theater Technology</td>
<td>2</td>
</tr>
<tr>
<td>MT 102B</td>
<td>Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MT 104B</td>
<td>Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MT 106B</td>
<td>Mechanical Power Transmission</td>
<td>4</td>
</tr>
<tr>
<td>THTR 204</td>
<td>Theatre Technology I</td>
<td>3</td>
</tr>
</tbody>
</table>

**Digital Literacy Requirement (0-3 credits)**

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

**ELECTIVES (choose 3-4 credits)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MT 108B</td>
<td>Fluid Power (Pneumatics, Hydraulics, Instrumentation)</td>
<td>4</td>
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<tr>
<td>MT 183B</td>
<td>Co-Op/Internship Third Semester</td>
<td>3</td>
</tr>
</tbody>
</table>

Computation included in MT 102B, 104B

Human Relations included in MT 101B

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ADT 100B</td>
<td>Introduction to Drafting Theory</td>
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<tr>
<td>MT 101B</td>
<td>Introduction to Theater Technology</td>
<td>2</td>
</tr>
<tr>
<td>MT 102B</td>
<td>Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>MT 104B</td>
<td>Industrial Electricity</td>
<td>4</td>
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**TOTAL CREDITS: 13**

**SECOND SEMESTER**

<table>
<thead>
<tr>
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<th>Course Title</th>
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<tbody>
<tr>
<td>COM 115</td>
<td>Applied Communication</td>
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<tr>
<td>CADD 100</td>
<td>Introduction to Computer Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>MT 104B</td>
<td>Industrial Electricity</td>
<td>4</td>
</tr>
<tr>
<td>THTR 204</td>
<td>Theatre Technology I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 13**

**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>ET 104B</td>
<td>Fabrication and Soldering Techniques</td>
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</tr>
<tr>
<td>IS 100B or IS 101</td>
<td>Certification Test</td>
<td>0-3</td>
</tr>
<tr>
<td>MT 108B or MT 183B</td>
<td>Theatre Technology I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 5-8**

**DEGREE PLAN TOTAL CREDITS: 31-34**

1 IS 100B is a certification test, if certification test isn’t passed, student must take IS 101. The student can always bypass IS 100B and just take IS 101.

**NOTE**

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
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ENGLISH PROGRAM

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)

MATH 120 or 124 or above; or STAT 152

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 for courses

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 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. 48 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
World Languages 111 or above 8
(courses must be in a single language)
ENG 298 Writing About Literature 3

Choose six credits from the following:
ENG 223 or above 6

ELECTIVES (choose 6 credits)
ENG 235 Survey of English Literature I 3
ENG 236 Survey of English Literature II 3
ENG 241 Survey of American Literature I 3
ENG 242 Survey of American Literature II 3

See Degree Plan on next page.

NOTE - Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
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# English

**ASSOCIATE OF ARTS DEGREE (AA)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: ENG-AA**

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## ENGLISH PROGRAM

### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>6</td>
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<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
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</table>

**TOTAL CREDITS** 15-17

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions¹ p. 48</td>
<td>4-6</td>
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<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
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</table>

**TOTAL CREDITS** 16-18

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS Natural Science² (With Lab) p. 48</td>
<td>3-4</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>ENG 298 Writing About Literature</td>
<td>3</td>
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<tr>
<td>World Languages 111 or above³</td>
<td>4</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
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**TOTAL CREDITS** 16-17

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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<tr>
<td>ENG 223 or above</td>
<td>6</td>
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<tr>
<td>World Languages 111 or above³</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

**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 World Languages portion of the special program requirements, you must complete two courses from the same language.
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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)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>FT 126</td>
<td>Fire Investigation I</td>
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<tr>
<td>FT 150</td>
<td>Apparatus and Equipment</td>
<td>3</td>
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<tr>
<td>FT 151</td>
<td>Fire Protection Hydraulics and Water Supply</td>
<td>3</td>
</tr>
<tr>
<td>FT 153</td>
<td>Occupational Safety and Health for Emergency Services</td>
<td>3</td>
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<tr>
<td>FT 190</td>
<td>Fire Instructor I</td>
<td>3</td>
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<tr>
<td>FT 191</td>
<td>Introduction to Company Officer</td>
<td>3</td>
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<tr>
<td>FT 226</td>
<td>Fire Investigation II</td>
<td>3</td>
</tr>
<tr>
<td>FT 243</td>
<td>Strategy and Tactics</td>
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SPECIAL PROGRAM REQUIREMENTS CONTINUED

ELECTIVES (choose 15 credits from the following)

<table>
<thead>
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<th>Course Code</th>
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<tr>
<td>FT 300</td>
<td>Fire Dynamics</td>
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<tr>
<td>FT 301</td>
<td>Political and Legal Foundations for Fire Protection</td>
<td>3</td>
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<tr>
<td>FT 302</td>
<td>Fire and Emergency Services Administration</td>
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<tr>
<td>FT 303</td>
<td>Personnel Management for Fire and Emergency Services</td>
<td>3</td>
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<tr>
<td>FT 304</td>
<td>Fire Prevention Organization and Management</td>
<td>3</td>
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<td>FT 305</td>
<td>Managerial Issues in Hazardous Materials</td>
<td>3</td>
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<tr>
<td>FT 306</td>
<td>Financial Management for Fire and Emergency Services</td>
<td>3</td>
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<tr>
<td>FT 400</td>
<td>Fire Investigation and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FT 401</td>
<td>Fire Protection Structures and Systems</td>
<td>3</td>
</tr>
<tr>
<td>FT 402</td>
<td>Fire Related Human Behavior</td>
<td>3</td>
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<tr>
<td>FT 403</td>
<td>Disaster Planning and Control</td>
<td>3</td>
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<tr>
<td>FT 404</td>
<td>Analytical Approaches to Public Fire Protection</td>
<td>3</td>
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<td>FT 405</td>
<td>Community Risk Reduction for Fire and Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>FT 406</td>
<td>Applications of Fire Research</td>
<td>3</td>
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</tbody>
</table>

See Degree Plan on next page.

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>ENG 333 Professional Communications</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 302 Intermediate Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>FT 291 Fire and Emergency Services Administration</td>
<td>3</td>
</tr>
<tr>
<td>FT 300 Fire Dynamics</td>
<td>3</td>
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TOTAL CREDITS ......................................................................................................................................... 12

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FT 301 Political and Legal Foundations for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FT 302 Fire and Emergency Services Administration</td>
<td>3</td>
</tr>
<tr>
<td>FT 303 Personnel Management for Fire and Emergency Services</td>
<td>3</td>
</tr>
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</table>

TOTAL CREDITS ......................................................................................................................................... 12

THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FT 304 Fire Prevention Organization and Management</td>
<td>3</td>
</tr>
<tr>
<td>FT 305 Managerial Issues in Hazardous Materials</td>
<td>3</td>
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<tr>
<td>FT 306 Financial Management for Fire and Emergency Services</td>
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</table>

TOTAL CREDITS ......................................................................................................................................... 12

FOURTH SEMESTER

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<tr>
<td>PHIL 311 Professional Ethics</td>
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</tr>
<tr>
<td>FT 400 Fire Investigation and Analysis</td>
<td>3</td>
</tr>
<tr>
<td>FT 401 Fire Protection Structures and Systems</td>
<td>3</td>
</tr>
<tr>
<td>FT 402 Fire Related Human Behavior</td>
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TOTAL CREDITS ......................................................................................................................................... 12

FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>FT 403 Disaster Planning and Control</td>
<td>3</td>
</tr>
<tr>
<td>FT 404 Analytical Approaches to Public Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FT 405 Community Risk Reduction for Fire and Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>FT 406 Applications of Fire Research</td>
<td>3</td>
</tr>
</tbody>
</table>

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 (CA)  
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
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
BUS 107 Business Speech Communication 3
FT 101 Principles of Emergency Services 3
FT 104 Nevada Firefighter I 3
FT 105 Fire Behavior and Combustion 3
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)

MATHMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (6 credits)
Required: BUS 107 and COM 101

HUMAN RELATIONS (3 credits)
HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 CREDITS)
See AAS policy p. 49 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**  
*Add more semesters to modify this plan to fit part-time student needs.*

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>BUS 107 Business Speech Communications</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FT 101 Principles of Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12-14</strong></td>
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</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FT 105 Fire Behavior and Combustion</td>
<td>3</td>
</tr>
<tr>
<td>FT 131 Hazardous Materials Chemistry</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>12</strong></td>
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</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>FT 125 Building Construction for Fire Protection</td>
<td>3</td>
</tr>
<tr>
<td>FT 152B Legal Aspects of Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FT 121 Fire Prevention</td>
<td>3</td>
</tr>
<tr>
<td>FT 224 Fire Protections Systems</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/NV Constitutions p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>FT 154B Principles of Fire and Emergency Services</td>
<td>3</td>
</tr>
<tr>
<td>Safety and Survival</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</tr>
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</table>

**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. 48 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 PROGRAM

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: FLORDT-AAS**

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**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FLOR 102B Introduction to Floral Design</td>
<td>3</td>
</tr>
<tr>
<td>FLOR 106B Permanent Botanicals</td>
<td>3</td>
</tr>
<tr>
<td>ACC 135B or ACC 201</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tbody>
<tr>
<td>MATH 104B Applied Mathematics</td>
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<tr>
<td>FLOR 202B Tributes and Traditions</td>
<td>3</td>
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<tr>
<td>FLOR 220B Events and Display</td>
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<tr>
<td>IS 101 Introduction to Information Systems</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
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<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>ENV 101 Introduction to Environmental Science</td>
<td>3</td>
</tr>
<tr>
<td>FLOR 204B Traditional Weddings</td>
<td>3</td>
</tr>
<tr>
<td>MGT 103 Introduction to Small Business Management</td>
<td>3</td>
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<td>Complete Electives (see courses previous page)</td>
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<thead>
<tr>
<th>FOURTH SEMESTER</th>
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<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>FLOR 208B Creativity and Competition</td>
<td>3</td>
</tr>
<tr>
<td>FLOR 240B Advanced Weddings</td>
<td>3</td>
</tr>
<tr>
<td>PHO 101B Beginning Photography</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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**DEGREE PLAN TOTAL CREDITS**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>60-62</td>
</tr>
</tbody>
</table>
Floral Design Technology
CERTIFICATE OF ACHIEVEMENT (CA)
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
Add more semesters to modify this plan to fit part-time student needs.

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 3
FLOR 220B Events and Display 3
TOTAL CREDITS ................................................................................................6

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

FOURTH SEMESTER Credits
FLOR 208B Creativity and Competition 3
FLOR 240B Advanced Weddings 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 • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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

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@shore.intercom.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
- 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, 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; GEOL 106, 117; GEOG 103, 104, 117; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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
HMD 201 Hospitality Accounting I 3

See Degree Plan on next page.
Food and Beverage Management
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 61
DEGREE CODE: FAB-AAS

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete English (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>FAB 102 Sanitation for the Food Service Industry</td>
<td>2</td>
</tr>
<tr>
<td>FAB 167 Food Service Nutrition</td>
<td>2</td>
</tr>
<tr>
<td>HMD 101 Introduction to the Hospitality Industry</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>CUL 110 Basic Cookery</td>
<td>4</td>
</tr>
<tr>
<td>FAB 112 Restaurant Management</td>
<td>3</td>
</tr>
<tr>
<td>TCA 221 Hospitality Accounting I</td>
<td>3</td>
</tr>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
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<table>
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<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/NV Constitutions p. 49</td>
<td>4</td>
</tr>
<tr>
<td>FAB 160 Hospitality Purchasing</td>
<td>3</td>
</tr>
<tr>
<td>FAB 230 Menu Planning</td>
<td>3</td>
</tr>
<tr>
<td>FAB 272 Liquor and Bar Management¹ ²</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>FAB 210 Fundamentals of Food and Beverage Control</td>
<td>3</td>
</tr>
<tr>
<td>FAB 285 Catering Management³</td>
<td>3</td>
</tr>
<tr>
<td>FAB 295 Work Experience in Food Service</td>
<td>1</td>
</tr>
<tr>
<td>HMD 235 Hotel, Restaurant and Gaming Law</td>
<td>3</td>
</tr>
<tr>
<td>HMD 259 HR Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>13</strong></td>
</tr>
</tbody>
</table>

**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 (CA) 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

Please note: Computation included in FAB 160
Human Relations included in HMD 101

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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
Recommended: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)
(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117

HUMANITIES (3 credits)
Required: COM 101 Oral Communication

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (6 credits)
HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Recommended: HIST 209 World History II

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (15 credits)
GEOG 106 World Geography 3
GLO 101 Introduction to Global Studies 3
HIST 209 World History II 3
PHIL 216 Philosophy of Human Nature 3
GLO 299 Capstone in Global Studies 3

Choose one from the following (3 credits)
PSC 200 Survey of Political Theory 3
PHIL 207 Social and Political Philosophy 3
PHIL 210 World Religions 3

Choose one from the following (3 credits)
PSC 211 Introduction to Comparative Politics 3
PSC 231 Introduction to International Relations 3

ELECTIVES (choose 6 credits)
ANTH 201 Peoples and Cultures of the World 3
ENV 220 Introduction to Ecological Principles 3
PSC 222 Terrorism and Political Violence 3
PSC 246 Politics of Developing Nations 3
ECON 295* Special Topics in Economics 3
GLO 295* Topical Issues in Global Studies 3
HIST 295* Special Topics in History 3
PHIL 295* Topical Issues in Philosophy 3
PSC 295* Special Topics in Political Science 3
WMST 295* Special Topics 3

*Consult with Department Chair before completing this course.

See Degree Plan on next page.

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

**ASSOCIATE OF ARTS DEGREE (AA)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: GLOB-AA**

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**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 216 Philosophy of Human Nature</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>GLO 101 Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 106 World Geography</td>
<td>3</td>
</tr>
<tr>
<td>HIST 209 World History II&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td>PSC 200 or PHIL 207 or PHIL 210</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
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<table>
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<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (no lab – see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>HIST 101 or 111</td>
<td>3</td>
</tr>
<tr>
<td>PSC 211 or PSC 231</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science&lt;sup&gt;2&lt;/sup&gt; (with lab-see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>GLO 299 Capstone in Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102 or 217</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-16</strong></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

**60-63**

Please Note: Any of the following – HIST 105, 106, 208, 209 – will also count for completion of the Values and Diversity general education requirement.

<sup>1</sup>Use the course list that follows “PSC 101 and two courses from the following”

<sup>2</sup>Must be a HIST course NOT already used to satisfy other areas of this degree.

<sup>3</sup>Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.

<sup>4</sup>This course only offered in the spring semester.
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.

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

FIRST SEMESTER Credits
GRC 110 Drawing and Illustration 2-3
GRC 101 Introduction to Graphic Communications 3
GRC 103 Introduction to Computer Graphics 3
TOTAL CREDITS ................................................................. 9

SECOND SEMESTER Credits
GRC 119 Digital Media 3
GRC 112 Design Fundamentals 3
TOTAL CREDITS ................................................................. 9

THIRD SEMESTER Credits
GRC 113 Fundamentals 3
GRC 114 Design Fundamentals 3
TOTAL CREDITS ................................................................. 9

FOURTH SEMESTER Credits
GRC 115 Advanced Design and Production 3
GRC 116 Portfolio Prep 3
TOTAL CREDITS ................................................................. 12

FIFTH SEMESTER Credits
GRC 117 Digital Media 3
GRC 118 Design Fundamentals 3
TOTAL CREDITS ................................................................. 9

SIXTH SEMESTER Credits
GRC 119 Advanced Design and Production 3
GRC 120 Portfolio Prep 3
TOTAL CREDITS ................................................................. 6

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

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.
Graphic Communications - Web Design
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60
DEGREE CODE: GRCWD-AAS

DESCRIPTION
This program trains people to use digital tools for employment in design and creative production fields. Although a degree is not necessary for initial employment, students who complete an AAS degree have a good chance for employment that is profitable. Students will learn concepts and approaches to technology necessary for lifelong learning. This degree is directed toward designing, producing, and assembling digital assets into professional communications and deliverables. Graphic Designer may design identity and collateral materials (like logos, brochures, advertising materials) or layouts for print or web publications. The Web Designer creates graphics, presentations (some interactive), web pages targeted for viewing on a screen.

STUDENT LEARNING OUTCOMES
• Diagnose and provide solutions that meet spoken and visual communication challenges using graphic design appropriate for a targeted audience/market.
• Create marketable vector and bitmap artwork using a variety of techniques at a professional level using industry workflow applicable to graphic design, multimedia, and online development.
• Assemble deliverables for digital and printed communication media.
• Provide professional portfolio quality designs, illustrations, typography, and layouts.
• Model appropriate and acceptable soft skills in a team environment required for entry-level employment in the field of graphic communications.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 104B or 120 or 124 or above

ENGLISH COMPOSITION (3 credits)
ENG 101 or 107 or 113

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; JOUR 102

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105 or above; HMS 130; MGT 100B, 283; PHIL 135, 216, 245; PSC 201

NATURAL SCIENCE (3-4 credits)
AST 101, 103, 104, 105; BIOL 101; CHEM 103, 105, 107; ENV 101; GEOG 103, 104, 117; GEOL 100; PHYS 110

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 204; ART 101, 105, 107, 135, 141, 160, 253; COM 133, 180; ECON 100; GEOG 106 or above; PHIL 101, 102 or above; PSY 101, 102, 206, 207, 208; SOC 101, 205, 210, 225, 261; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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

STUDENT LEARNING OUTCOMES
• 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.

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

FIRST SEMESTER Credits
Complete Mathematics (see courses this page) 3
GRC 101 Introduction to Graphic Communications 3
GRC 103 Introduction to Computer Graphics 3
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 Constitutions1 p. 49 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.
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)

MATHMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (5 credits)
Required: HHP 123B and 124B

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
Required: PHIL 102 Reasoning and Critical Thinking

U.S. AND NEVADA CONSTITUTIONS (4 credits)
Required: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (43 CREDITS)

CORE REQUIREMENTS (41 credits)
COT 127B Microsoft Office for Offices 3
HIT 105B Introduction to Health Information Management 3
HIT 106B Healthcare Reimbursement 2
HIT 118B Language of Medicine 3
HIT 119B Introduction to Pharmacology and Laboratory Tests 2
HIT 130B Procedural Terminology 1
HIT 165B Pathophysiology 4
HIT 170B Healthcare Computer Applications 3
HIT 184B Introduction to ICD Coding 2
HIT 185B Introduction to CPT Coding 3
HIT 187B Introduction to ICD-PCS Coding 2
HIT 201B Advanced Coding Systems 3
HIT 205B Privacy, Legal, and Ethical Issues in Healthcare 2
HIT 206B Professional Practice Experience I 3
HIT 207B Health Information Management 2
HIT 240B Healthcare Statistics and Research 1
HIT 245B Healthcare Quality Management 2

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.
**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tr>
<td>Complete Mathematics (see courses previous page)</td>
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<tr>
<td>HHP 123B Introduction to the Human Body¹</td>
<td>4</td>
</tr>
<tr>
<td>HHP 124B Introduction to the Human Body Computer Lab¹</td>
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<tr>
<td>COT 127B Microsoft Office for Offices</td>
<td>3</td>
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<tr>
<td>HIT 105B Introduction to Health Information Management</td>
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<td>HIT 118B Language of Medicine</td>
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<tbody>
<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
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</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>HIT 106B Healthcare Reimbursement</td>
<td>2</td>
</tr>
<tr>
<td>HIT 119B Introduction to Pharmacology and Laboratory Tests</td>
<td>2</td>
</tr>
<tr>
<td>HIT 165B Pathophysiology</td>
<td>4</td>
</tr>
<tr>
<td>HIT 170 Healthcare Computer Applications</td>
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<tr>
<td>HIT 130B Procedural Terminology</td>
<td>1</td>
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<td>HIT 184B Introduction to ICD Coding</td>
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<td>HIT 185B Introduction to CPT Coding</td>
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<thead>
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<tr>
<td>HIT 187B Introduction to ICD-PCS Coding</td>
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<thead>
<tr>
<th>FOURTH PROGRAM SEMESTER</th>
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<tr>
<td>HIT 201B Advanced Coding Systems</td>
<td>3</td>
</tr>
<tr>
<td>HIT 205B Privacy, Legal, and Ethical Issues in Healthcare</td>
<td>2</td>
</tr>
<tr>
<td>HIT 206B Professional Practice Experience I</td>
<td>3</td>
</tr>
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<td><strong>TOTAL CREDITS</strong></td>
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</table>

<table>
<thead>
<tr>
<th>FIFTH PROGRAM SEMESTER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>HIT 207B Health Information Management</td>
<td>2</td>
</tr>
<tr>
<td>HIT 240B Healthcare Statistics and Research</td>
<td>1</td>
</tr>
<tr>
<td>HIT 245B Healthcare Quality Management</td>
<td>2</td>
</tr>
<tr>
<td>HIT 208B or HIT 299B</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</tbody>
</table>

**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).
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
HIT 170B Healthcare Computer Applications 3
HIT 184B Introduction to ICD Coding 2
HIT 185B Introduction to CPT Coding 3
HIT 185B Introduction to CPT Coding 3
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
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER
CIT 127B Microsoft Office for Offices 3
ENG 100 or 101 or 113
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 210B Coding Practice Experience 3

TOTAL CREDITS: 17-19

SECOND PROGRAM SEMESTER
CIT 127B Microsoft Office for Offices 3
ENG 100 or 101 or 113
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 210B Coding Practice Experience 3

TOTAL CREDITS: 11

THIRD PROGRAM SEMESTER
CIT 127B Microsoft Office for Offices 3
ENG 100 or 101 or 113
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 210B Coding Practice Experience 3

TOTAL CREDITS: 6

FOURTH PROGRAM SEMESTER
CIT 127B Microsoft Office for Offices 3
ENG 100 or 101 or 113
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 210B Coding Practice Experience 3

TOTAL CREDITS: 5

FIFTH PROGRAM SEMESTER
CIT 127B Microsoft Office for Offices 3
ENG 100 or 101 or 113
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 210B Coding Practice Experience 3

TOTAL CREDITS: 3

DEGREE PLAN TOTAL CREDITS: 44-46

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

FIFTH PROGRAM SEMESTER

Credits
CIT 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 210B Coding Practice Experience 3

TOTAL CREDITS: 3

DEGREE PLAN TOTAL CREDITS: 44-46

1 BIOL 223 and 224 can be taken in lieu of HHP 123B and HHP124B.

Please Note: Once accepted into the program, students should complete program courses within the 5 semester time-frame (including 1 summer semester).
**Medical Transcription**

**CERTIFICATE OF ACHIEVEMENT (CA)**

**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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>COT 200</td>
<td>Word Processing I</td>
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<tr>
<td>ENG 107</td>
<td>Technical Communications I</td>
<td>3</td>
</tr>
<tr>
<td>HHP 123B</td>
<td>Introduction to the Human Body</td>
<td>4</td>
</tr>
<tr>
<td>HIT 118B</td>
<td>Language of Medicine</td>
<td>3</td>
</tr>
<tr>
<td>HIT 119B</td>
<td>Introduction to Pharmacology and Laboratory Tests</td>
<td>2</td>
</tr>
<tr>
<td>HIT 120B</td>
<td>Medical Transcription I</td>
<td>4</td>
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<tr>
<td>HIT 122B</td>
<td>Medical Transcription II</td>
<td>5</td>
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<tr>
<td>HIT 165B</td>
<td>Pathophysiology</td>
<td>4</td>
</tr>
</tbody>
</table>

Computation included in HIT 119B

Human Relations included in HIT 122B

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

- Complete Communications (see courses this page) 3-5
- COT 200 Word Processing I 3
- HHP 123B Introduction to the Human Body 4
- HIT 118B Language of Medicine 3
- HIT 120B Medical Transcription I 4

**TOTAL CREDITS** ............................................................................................17-19

**SECOND SEMESTER**

- 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

1| BIOL 223 can be taken in lieu of HHP 123B.

Upon successful completion of the Medical Transcription Program and graduation from CSN, graduates can apply and sit for the transcription credentialing exams.

**NOTE**

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
DESCRIPTION
The Associate of Arts Degree 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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 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
See a counselor to select course

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

HUMANITIES
COM 101; ENG 231H or above; World Languages 111 or above;
PHIL 101, 119, 129, 201, 202, 203; RST

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.
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### History

ASSOCIATE OF ARTS DEGREE (AA)  
REQUIRED CREDITS: 60  
DEGREE CODE: HIST-AA

#### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
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<tr>
<td>MATH 120 Fundamentals of College Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Social Science¹ (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 105 or HIST 208</td>
<td>3</td>
<td></td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<td></td>
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<tr>
<td>ENG 102 or 114</td>
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<td></td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Complete Humanities (see courses previous page)</td>
<td>3</td>
<td></td>
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<tr>
<td>HIST 101 U.S. History to 1877</td>
<td>3</td>
<td></td>
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<tr>
<td>HIST 106 or HIST 209</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>THIRD SEMESTER</strong></td>
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<td></td>
</tr>
<tr>
<td>Complete Natural Science (no lab-see courses previous page)</td>
<td>3</td>
<td></td>
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<tr>
<td>Complete Fine Arts (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 102 U.S. History Since 1877</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 217 Nevada History</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Any 3 Credit HIST Elective²</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
<td></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 223 or above</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete Natural Science³ (with lab-see courses previous page)</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Complete Social Science¹ (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 251 Introduction to Historical Methods⁴</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>HIST 295 Special Topics in History</td>
<td>2-3</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>14-15</td>
<td></td>
</tr>
<tr>
<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
<td>60-63</td>
<td></td>
</tr>
</tbody>
</table>

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. 47 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 47 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. 48 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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 101</td>
<td>Introduction to the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 202</td>
<td>Housekeeping Operations</td>
<td>3</td>
</tr>
<tr>
<td>HMD 203</td>
<td>Front-Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>HMD 226</td>
<td>Industry Computer Applications for Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HMD 253</td>
<td>Hospitality Services Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 259</td>
<td>Human Resources Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>HMD 295</td>
<td>Work Experience in Lodging Operations</td>
<td>1</td>
</tr>
<tr>
<td>TCA 201</td>
<td>Hospitality Career Development</td>
<td>3</td>
</tr>
<tr>
<td>TCA 221</td>
<td>Hospitality Accounting I</td>
<td>3</td>
</tr>
</tbody>
</table>

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

- Course numbers with the “H” 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.

- Choose from the list of courses that follows “Select one of the following which must include a lab…”

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 101</td>
<td>Introduction to the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA English Composition p. 47</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA Fine Arts p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15-17

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 202</td>
<td>Housekeeping Operations</td>
<td>3</td>
</tr>
<tr>
<td>HMD 203</td>
<td>Front-Office Operations</td>
<td>3</td>
</tr>
<tr>
<td>Complete Mathematics (see courses this page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA English Composition p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 231</td>
<td>World Literature I</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15

**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 226</td>
<td>Industry Computer Applications for Hospitality and Tourism</td>
<td>3</td>
</tr>
<tr>
<td>HMD 253</td>
<td>Hospitality Services Management</td>
<td>3</td>
</tr>
<tr>
<td>HMD 259</td>
<td>Human Resources Management in the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA Literature p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENV 101</td>
<td>Introduction to Environmental Science</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15

**FOURTH SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HMD 295 Work Experience in Lodging Operations</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>TCA 201</td>
<td>Hospitality Career Development</td>
<td>3</td>
</tr>
<tr>
<td>TCA 221</td>
<td>Hospitality Accounting I</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (see courses this page)</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15

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

- Choose from the list of courses that follows “Select one of the following which must include a lab…”
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; World Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above (except 201); THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
## Hotel Management

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 61**

**DEGREE CODE: HMD-AAS**

### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST SEMESTER</td>
<td></td>
<td><strong>Complete Mathematics</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete AAS English Composition</strong> (see courses previous page) 3-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete Human Relations</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete Fine Arts/Humanities/Social Science</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 101 Introduction to the Hospitality Industry</strong> 3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
</tr>
<tr>
<td>SECOND SEMESTER</td>
<td></td>
<td><strong>COM 101 Oral Communication</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete Natural Science</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 202 Housekeeping Operations</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 203 Front-Office Operations</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 226 Industry Computer Applications for Hospitality and Tourism</strong> 3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
</tr>
<tr>
<td>THIRD SEMESTER</td>
<td></td>
<td><strong>Complete AAS US/NV Constitutions</strong> 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>FAB 102 Food Service Sanitation II</strong> 2</td>
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<tr>
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<td></td>
<td><strong>HMD 235 Hotel, Restaurant and Gaming Law</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 253 Hospitality Services Management</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete Electives</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
</tr>
<tr>
<td>FOURTH SEMESTER</td>
<td></td>
<td><strong>HMD 259 Human Resources Management in the Hospitality Industry</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>HMD 295 Work Experience in Lodging Operations</strong> 1</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TCA 180 Hotel, Restaurant and Casino Marketing</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TCA 201 Hospitality Career Development</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>TCA 221 Hospitality Accounting I</strong> 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Complete Electives</strong> (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
</tr>
</tbody>
</table>

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

1. **PSC 101** completes this requirement at 4 credits. If you choose the HIST option, take HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.
2. **Prerequisite** for this course is HMD 101; and ENG 102 or ENG 114. Completion of the ENG portion of this prerequisite gives you additional credits above the total for this degree.
Hotel Management
CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 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

TOTAL CREDITS ............................................................................................15-17

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.
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 track 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)

MATHMATICS (3 credits)
Recommended: MATH 120 Fundamentals of College Mathematics

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 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. 48 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

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH 120</td>
<td>3</td>
<td>Fundamentals of College Mathematics</td>
</tr>
<tr>
<td>ENG 100 or 101</td>
<td>3-5</td>
<td>or 113</td>
</tr>
<tr>
<td>Complete Social Science</td>
<td>3</td>
<td>(see courses previous page)</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOUR 100</td>
<td>3</td>
<td>Introduction to Journalism and Media Studies</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
<td></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PHIL 102</td>
<td>3</td>
<td>Reasoning and Critical Thinking</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab)</td>
<td>3</td>
<td>p. 48</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>JOUR 102</td>
<td>3</td>
<td>News Reporting and Writing</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
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<tr>
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<tr>
<td>PSC 101</td>
<td>4</td>
<td>Introduction to American Politics</td>
</tr>
<tr>
<td>JOUR 101</td>
<td>3</td>
<td>Critical Analysis of the Mass Media</td>
</tr>
<tr>
<td>JOUR 220</td>
<td>3</td>
<td>Fundamentals of Applied Media Aesthetics</td>
</tr>
<tr>
<td>JOUR 261</td>
<td>3</td>
<td>Introduction to IMC</td>
</tr>
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<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
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<tr>
<td>ENG 223</td>
<td>3</td>
<td>Themes of Literature</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science</td>
<td>3-4</td>
<td>1 (With Lab) p. 48</td>
</tr>
<tr>
<td>JOUR 210</td>
<td>3</td>
<td>Introduction to Public Relations</td>
</tr>
<tr>
<td>JOUR 276</td>
<td>3</td>
<td>Design Principles for Advertising/Publications</td>
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<tr>
<td>COM 196 or JOUR 290</td>
<td>2</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
<td></td>
<td>60-63</td>
</tr>
</tbody>
</table>

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 track 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. 47 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. 48 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.
## Journalism/Media Studies - News Production

### ASSOCIATE OF ARTS DEGREE (AA)

**REQUIRED CREDITS: 60**

**DEGREE CODE: JOURNP-AA**

### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tr>
<td><strong>FIRST SEMESTER</strong></td>
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<tr>
<td>MATH 120 Fundamentals of College Mathematics</td>
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<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
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<td>Complete Social Science (see courses previous page)</td>
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<tr>
<td>COM 101 Oral Communication</td>
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<td>JOUR 100 Introduction to Journalism and Media Studies</td>
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<td>TOTAL CREDITS</td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<td>ENG 102 or 114</td>
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<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>JOUR 102 News Reporting and Writing</td>
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<td>PSC 101 Introduction to American Politics</td>
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<td>JOUR 101 Critical Analysis of the Mass Media</td>
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<td>JOUR 220 Fundamentals of Applied Media Aesthetics</td>
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<td>JOUR 121 Radio Production</td>
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<tr>
<td><strong>FOURTH SEMESTER</strong></td>
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<tr>
<td>ENG 223 Themes of Literature</td>
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<tr>
<td>Complete AA/AB/AS Natural Science¹ (With Lab) p. 48</td>
<td>3-4</td>
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<tr>
<td>JOUR 105 News Production I</td>
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<tr>
<td>JOUR 202 Electronic Media Production I</td>
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</tr>
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<td>COM 196 or JOUR 290</td>
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<tr>
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</tbody>
</table>

**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 PROGRAM

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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 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.
## FULL-TIME STUDENT DEGREE PLAN

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

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<thead>
<tr>
<th>Semester</th>
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<th>Description</th>
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<td><strong>FIRST SEMESTER</strong></td>
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<td>Complete Mathematics (see courses previous page)</td>
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<td>ENG 100 or 101 or 113</td>
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<td>Complete Natural Science (No Lab – see courses previous page)</td>
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<td>LAS 101 Introduction to Latin American Studies</td>
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<td>ENG 102 or 114</td>
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<td>PHIL. 102 Reasoning and Critical Thinking</td>
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<td>Complete Natural Science (With Lab – see courses previous page)</td>
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<td>Complete Elective #1 (see courses previous page)</td>
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<td>Complete AA/AB/AS Literature p. 47</td>
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<td>3</td>
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<td></td>
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<td>COM 101 Oral Communication</td>
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<td>Complete Fine Arts (see courses previous page)</td>
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<td>Complete US/Nevada Constitutions² (see courses previous page)</td>
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<td>4-6</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>FOURTH SEMESTER</strong></td>
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<td>Complete Elective #4 (see courses previous page)</td>
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</table>

**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.
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. 48 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, 210, 247, 260; HMS 130; MGT 100B; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (3 credits)
See AAS policy p. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 105

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

CORE REQUIREMENTS (30 credits)
BUS 101 Introduction to Business 3
IS 101 Introduction to Information Systems 3
MGT 201 Principles of Management 3
MKT 123 Sales Promotion 3
MKT 127 Introduction to Retailing 3
MKT 132 Sales Management 3
MKT 210 Marketing Principles 3
MKT 211 Introduction to Professional Sales 3
MKT 250 Introduction to International Marketing 3
MKT 261 Introduction to Public Relations 3

ELECTIVES (choose 9 credits)
ACC 135B Bookkeeping I 3
ACC 201 Financial Accounting 3
BUS 102B Entrepreneurship and Innovation 3
BUS 106B Business English 3
BUS 107 Business Speech Communication 3
BUS 108 Business Letters and Reports 3
BUS 271 Introduction to Employment Law 3
BUS 273 Business Law I 3
BUS 274 Business Law II 3
BUS 280B Legal Aspects of International Business 1-3
BUS 290B Internship in Business 3
MGT 103 Introduction to Small Business Management 3
MGT 212 Leadership and Human Relations 3
MGT 235 Organizational Behavior 3
MGT 283 Introduction to Human Resources Management 3
MGT 284B Introduction to International Management 3
MGT 294B Seminar in Management 3

See Degree Plan on next page.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
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## Marketing

### ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

**REQUIRED CREDITS: 61**

**DEGREE CODE:** MKTNG-AAS

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### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tr>
<td><strong>FIRST SEMESTER</strong></td>
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<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 107 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<tr>
<td>Complete AAS US/Nevada Constitutions 4 p. 49</td>
<td>4-6</td>
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<tr>
<td>BUS 101 Introduction to Business</td>
<td>3</td>
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<tr>
<td>MKT 123 Sales Promotions</td>
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</tr>
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<td>MKT 127 Introduction to Retailing</td>
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<td>Complete Electives (see courses previous page)</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>THIRD SEMESTER</strong></td>
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<td>Complete AAS Natural Science p. 48</td>
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<td><strong>FOURTH SEMESTER</strong></td>
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<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
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<td>MKT 211 Introduction to Professional Sales</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

**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.
This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

DESCRIPTION

The Medical Laboratory Scientist (MLS) is an important member of the health care team in hospitals, clinics, medical research and teaching centers, and is an indispensable participant with physicians in providing critical diagnostic information. The MLS functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The Medical Laboratory Scientist performs and interprets diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis, and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine maintenance; analyzes and corrects instrument problems; researches, evaluates, and implements new procedures; and may be responsible for fiscal/personnel management of laboratory.

The Bachelor of Applied Science degree in Medical Laboratory Scientist combines academic and laboratory courses on campus with practical experience at clinical affiliate sites. The program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (877) 939-3597. Students successfully completing the program are eligible to take a national certifying examination.

STUDENT LEARNING OUTCOMES

- Select appropriate courses of action in accordance with established laboratory procedures.
- Assess and correlate clinical and/or laboratory data through application of theory and principles.
- Evaluate and perform full range of clinical laboratory procedures, including quality assurance and quality control.
- Differentiate and resolve technical, instrument, and/or physiologic causes of unexpected or abnormal data.

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

GENERAL EDUCATION REQUIREMENTS (51 CREDITS)

MATHEMATICS (3 credits)
MATH 124 or above

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (6 credits)
ENG 102 or 114; or COM 101; and ENG 333

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

NATURAL SCIENCE (23 credits)
BIOL 196, 197, 325; or BIOL 223, 224, 325 and
CHEM 110, 111, 220; or CHEM 121, 122, 220

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (9 credits)
PHIL 302 and PHIL 311 and 3 credits from the following:
AM; ANTH; ART; COM; ECON; ENG 223 or above; GEOG 106 or above; HIST; World Languages; Music; PHIL; PSC; PSY; SOC; THTR; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

SPECIAL PROGRAM REQUIREMENTS (69 CREDITS)

CORE REQUIREMENTS (66 credits)
CLS 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 361 Urinalysis and Body Fluids II 2
CLS 365 Laboratory Operations II 1.5
CLS 446 Clinical Chemistry II 2
CLS 447 Applied Clinical Chemistry II 1
CLS 448 Hematology II 2
CLS 449 Applied Hematology II 1
CLS 456 Immunology/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 486 CLS Clinical Chemistry Review 1.5
CLS 487 CLS Hematology Review 1.5
CLS 488 CLS Immunology/Immunohematology Review 1.5
CLS 489 CLS Clinical Microbiology Review 1.5
CLS 490 CLS General Laboratory & Urinalysis Review 1.5
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

Statistics Elective (3-4 credits)
STAT 152 Introduction to Statistics 3
ECON 261 Principles of Statistics 3
PSY 210 Introduction to Statistical Methods 4
SOC 210 Introduction to Statistical Methods 4

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

If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
**FULL-TIME STUDENT DEGREE PLAN**

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

### PLEASE NOTE:
- Due to the high rigor of the MLS program, it is highly recommended that students complete all general education requirements before applying to the program.
- CLS courses must be taken in the order indicated.

<table>
<thead>
<tr>
<th>FIRST SEMESTER (Summer)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 124 or above¹</td>
<td>3</td>
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<thead>
<tr>
<th>SECOND SEMESTER (Fall)</th>
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<tbody>
<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
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<tr>
<td>CHEM 110 or 121²</td>
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<tr>
<td>Complete Statistics Elective (see courses previous page)</td>
<td>3-4</td>
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<thead>
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<th>THIRD SEMESTER (Spring)</th>
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<tbody>
<tr>
<td>BIOL 196³ or 223</td>
<td>4</td>
</tr>
<tr>
<td>CHEM 111 or 122</td>
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</tr>
<tr>
<td>Complete US/Nevada Constitutions⁴ (see courses previous page)</td>
<td>4-6</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tbody>
<tr>
<td>CHEM 220 Introductory Organic Chemistry</td>
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<th>FIFTH SEMESTER (Fall)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
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<tr>
<td>PHIL 302 Intermediate Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science⁵ (see courses previous page)</td>
<td>3</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>SIXTH SEMESTER (Spring)</th>
<th>Credits</th>
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<tbody>
<tr>
<td>CLS 161 Urinalysis and Body Fluids</td>
<td>1</td>
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<tr>
<td>CLS 162 Applied Urinalysis and Body Fluids</td>
<td>1</td>
</tr>
<tr>
<td>CLS 265 Laboratory Operations I</td>
<td>1</td>
</tr>
<tr>
<td>CLS 271 Clinical Microbiology I</td>
<td>3</td>
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<tr>
<td>CLS 272 Applied Clinical Microbiology I</td>
<td>2</td>
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<th>SEVENTH SEMESTER (Fall)</th>
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<tr>
<td>BIOL 197 or 224</td>
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<tr>
<td>CLS 151 Phlebotomy</td>
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<tr>
<td>CLS 152 Applied Phlebotomy</td>
<td>2</td>
</tr>
<tr>
<td>CLS 241 Clinical Chemistry I</td>
<td>3</td>
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<td>CLS 242 Applied Clinical Chemistry I</td>
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**EIGHTH SEMESTER (Spring)**

<table>
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<tr>
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<tbody>
<tr>
<td>BIOL 325 Molecular Diagnostics</td>
<td>3</td>
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<tr>
<td>CLS 251 Immunology/Immunohematology</td>
<td>2</td>
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<tr>
<td>CLS 252 Applied Immunology/Immunohematology</td>
<td>2</td>
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<tr>
<td>CLS 291 Hematology I</td>
<td>2</td>
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<tr>
<td>CLS 292 Applied Hematology I</td>
<td>2</td>
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<td><strong>TOTAL CREDITS</strong></td>
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**NINTH SEMESTER (Fall)**

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<tbody>
<tr>
<td>CLS 476 Clinical Microbiology II</td>
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<tr>
<td>CLS 477 Applied Clinical Microbiology II</td>
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<tr>
<td>CLS 448 Hematology II</td>
<td>2</td>
</tr>
<tr>
<td>CLS 449 Applied Hematology II</td>
<td>1</td>
</tr>
<tr>
<td>CLS 478 Research Methods</td>
<td>2</td>
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<tr>
<td>CLS 361 Urinalysis and Body Fluids II</td>
<td>2</td>
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<td><strong>TOTAL CREDITS</strong></td>
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**TENTH SEMESTER (Spring)**

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>CLS 491 Clinical Practicum - Chemistry</td>
<td>4</td>
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<tr>
<td>CLS 493 Clinical Practicum - Immunology/Immunohematology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 495 Clinical Practicum - Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>CLS 497 Clinical Practicum - Hematology</td>
<td>4</td>
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<tr>
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**ELEVENTH SEMESTER (Fall)**

<table>
<thead>
<tr>
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<th>Credits</th>
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<tbody>
<tr>
<td>CLS 486 CLS Clinical Chemistry Review</td>
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<tr>
<td>CLS 487 CLS Hematology Review</td>
<td>1.5</td>
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<tr>
<td>CLS 488 CLS Immunology/Immunohematology Review</td>
<td>1.5</td>
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<tr>
<td>CLS 489 CLS Clinical Microbiology Review</td>
<td>1.5</td>
</tr>
<tr>
<td>CLS 490 CLS General Laboratory &amp; Urinalysis Review</td>
<td>1.5</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>7.5</strong></td>
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</table>

**DEGREE PLAN TOTAL CREDITS**

**120-125**

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.
²CHEM 121 requires CHEM 103 or CHEM 110 or a passing score on the Chemistry Placement Exam.
³Students planning to apply to the BAS‐MLS program should take BIOL 196.
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.
⁵Under the “Fine Arts/Humanities/Social Science” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “Plus 3 credits from the following...
Medical Laboratory Technician
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 66
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.
FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
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<tr>
<td>PHIL 135 Introduction to Ethics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 189 or BIOL 196</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>ENG 102 or ENG 114</td>
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<tr>
<td>CHEM 110 or CHEM 121</td>
<td>4</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>CHEM 111 or CHEM 122</td>
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<td>CLS 161 Urinalysis and Body Fluids</td>
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<td>CLS 162 Applied Urinalysis and Body Fluids</td>
<td>1</td>
</tr>
<tr>
<td>CLS 265 Laboratory Operations I</td>
<td>1</td>
</tr>
<tr>
<td>CLS 271 Clinical Microbiology I</td>
<td>3</td>
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<td>CLS 272 Applied Clinical Microbiology I</td>
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<th>FOURTH SEMESTER</th>
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<td>CLS 294 Clinical Practicum I</td>
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<th>FIFTH SEMESTER</th>
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<tbody>
<tr>
<td>CLS 151 Phlebotomy</td>
<td>2</td>
</tr>
<tr>
<td>CLS 152 Applied Phlebotomy</td>
<td>2</td>
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<tr>
<td>CLS 153 Phlebotomy Clinical Practicum</td>
<td>2</td>
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<tr>
<td>CLS 241 Clinical Chemistry I</td>
<td>3</td>
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<td>CLS 242 Applied Clinical Chemistry I</td>
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<th>SIXTH SEMESTER</th>
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<tbody>
<tr>
<td>CLS 251 Immunology/Immunohematology I</td>
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<td>CLS 252 Applied Immunology/Immunohematology I</td>
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<tr>
<td>CLS 291 Hematology I</td>
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<tr>
<td>CLS 292 Applied Hematology I</td>
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<th>SEVENTH SEMESTER</th>
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<tr>
<td>CLS 295 Clinical Practicum II</td>
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<td>CLS 296 Clinical Practicum III</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>6</strong></td>
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| DEGREE PLAN TOTAL CREDITS | 66-68 |

1 Students planning to apply to the Bachelor of Science Medical Laboratory Scientist Program should take BIOL 196.
2 Prerequisite for CHEM 121 is CHEM 103 or CHEM 110; or a passing score on the Chemistry Placement Exam.
This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

DESCRIPTION
As a medical assistant, you will be a multi-skilled professional, dedicated to assisting in patient care management. You will be trained to perform administrative and clinical/laboratory duties and may manage emergency situations, facilities, and/or personnel. The clinical duties of medical assistants include preparing patients for examinations and treatments; taking vital signs and medical histories, sterilizing instruments; performing diagnostic tests and basic laboratory procedures; and assisting the physician with examinations and minor office surgery. Administrative duties include scheduling and receiving patients; obtaining patient data; establishing and maintaining confidential medical records; handling telephone calls, preparing correspondence and reports; purchasing supplies and maintaining equipment; and assuming responsibility for the daily office business.

The Medical Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Curriculum Review Board of The American Association of Medical Office Assistants Endowment (CRB-AAMAE). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

STUDENT LEARNING OUTCOMES
• Demonstrate competencies necessary to challenge the national certification examination and earn a certified credential.
• Demonstrate the skills and abilities necessary to find employment in the field or continue with their education in pursuit of a degree.
• Demonstrate entry level competencies as defined by the Medical Assisting Education Review Board.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3-5 credits)
ENG 100 or 101 or 113

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

CLS 130B Laboratory Procedures for Medical Office Assistants 2
CLS 131B Applied Laboratory Procedures for Medical Office Assistants 1
COT 127B Microsoft Office for Offices 3
HIT 102B Coding for Medical Offices 2
HIT 118B Language of Medicine 3
HIT 119B Introduction to Pharmacology and Laboratory Tests 2
MA 104B Introduction to Medical Assisting 2
MA 106B The Body in Health and Disease I 4
MA 107B Medical Assistant Techniques 4
MA 110B Medical Assistant Techniques II 4
MA 120B Medical Office Management 3
MA 130B Clinical Externship 3
MA 131B Externship Seminar 1
MA 195B Application of Medical Assisting Concepts 2

Computation included in MA 110B
Human Relations included in MA 130B

See Degree Plan on next page.

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communication (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>COT 127B Microsoft Office for Offices</td>
<td>3</td>
</tr>
<tr>
<td>HIT 118B Language of Medicine</td>
<td>3</td>
</tr>
<tr>
<td>MA 104B Introduction to Medical Assisting</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>11-13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT 119B Introduction to Pharmacology and Laboratory Tests</td>
<td>2</td>
</tr>
<tr>
<td>MA 106B The Body in Health and Disease 1&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>MA 107B Medical Assistant Techniques&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>CLS 130B Laboratory Procedures for Medical Office Assistants&lt;sup&gt;1&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>CLS 131B Applied Laboratory Procedures for Medical Office Assistants&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIT 102B Coding for Medical Offices&lt;sup&gt;1&lt;/sup&gt;</td>
<td>2</td>
</tr>
<tr>
<td>MA 110B Medical Assistant Techniques II&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>MA 120B Medical Office Management&lt;sup&gt;1&lt;/sup&gt;</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>9</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 130B Clinical Externship</td>
<td>3</td>
</tr>
<tr>
<td>MA 131B Externship Seminar</td>
<td>1</td>
</tr>
<tr>
<td>MA 195B Application of Medical Assisting Concepts</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS** 39-41

<sup>1</sup>This course offered in the Spring and Fall only.

**NOTE:**
- This is a limited entry program and it is required that students complete all prerequisite courses before applying to the program.
- Qualified applicants must have a high school diploma or GED equivalent and a minimum cumulative GPA of 2.0 or better for program prerequisites.
- Prerequisites for the MA program may be attempted three times. All attempts including withdrawals, audits and grades will be counted. The highest grade will be used for the GPA calculation.
- All MA courses, with the exception of prerequisite courses, can only be taken once accepted into the MA program, and then must be taken in the order indicated.

Upon successful completion of the MA Program and graduation from CSN, graduates will be able to apply and sit for the CMA National Certificate Exam. Please note, courses only pertaining to the MA Program do not transfer to most colleges/universities should the student wish to transfer to another institution.
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.

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>CREDITS</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td><strong>Credits</strong></td>
<td><strong>Mathematics (3 credits)</strong>&lt;br&gt;Recommended: MATH 120 Fundamentals of College Mathematics&lt;br&gt;&lt;br&gt;<strong>English Composition (6-8 credits)</strong>&lt;br&gt;See AA/AB/AS policy p. 47 for courses&lt;br&gt;&lt;br&gt;<strong>Literature (3 credits)</strong>&lt;br&gt;Recommended: ENG 223 Themes of Literature&lt;br&gt;&lt;br&gt;<strong>Analytical Reasoning (3 credits)</strong>&lt;br&gt;Recommended: PHIL 102 Reasoning and Critical Thinking&lt;br&gt;&lt;br&gt;<strong>Natural Science (6-7 credits)</strong>&lt;br&gt;Recommended: BIOL 122 and GEOG 103&lt;br&gt;&lt;br&gt;<strong>Social Science (9 credits)</strong>&lt;br&gt;Recommended: ANTH 101 and ECON 100 and PSY 101&lt;br&gt;&lt;br&gt;<strong>Values and Diversity</strong>&lt;br&gt;Recommended: PSC 101 Introduction to American Politics&lt;br&gt;&lt;br&gt;<strong>TOTAL CREDITS</strong></td>
</tr>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td><strong>Credits</strong></td>
<td><strong>Music Program</strong>&lt;br&gt;MUS 131 Introduction to Music Literature 3&lt;br&gt;MUS 201E Basic musicianship I E 3&lt;br&gt;MUS 201F Basic musicianship I F 1&lt;br&gt;MUS 202E Basic musicianship II E 3&lt;br&gt;MUS 202F Basic musicianship II F 1&lt;br&gt;MUS 207E Advanced musicianship I E 3&lt;br&gt;MUS 207F Advanced musicianship I F 1&lt;br&gt;MUS 208E Advanced musicianship II E 3&lt;br&gt;MUS 208F Advanced musicianship II F 1&lt;br&gt;Private Lessons (MUSA 101-146, MUSA 201-246) 4-8&lt;br&gt;Ensemble (MUSE 101 - MUSE 166) 3-4&lt;br&gt;Piano Proficiency Exam&lt;br&gt;Four semesters Concert Attendance required (MUS 100) 4&lt;br&gt;<strong>TOTAL CREDITS</strong></td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td><strong>Credits</strong></td>
<td><strong>Mathematics (3 credits)</strong>&lt;br&gt;Recommended: MATH 120 Fundamentals of College Mathematics&lt;br&gt;&lt;br&gt;<strong>English Composition (6-8 credits)</strong>&lt;br&gt;See AA/AB/AS policy p. 47 for courses&lt;br&gt;&lt;br&gt;<strong>Literature (3 credits)</strong>&lt;br&gt;Recommended: ENG 223 Themes of Literature&lt;br&gt;&lt;br&gt;<strong>Analytical Reasoning (3 credits)</strong>&lt;br&gt;Recommended: PHIL 102 Reasoning and Critical Thinking&lt;br&gt;&lt;br&gt;<strong>Natural Science (6-7 credits)</strong>&lt;br&gt;Recommended: BIOL 122 and GEOG 103&lt;br&gt;&lt;br&gt;<strong>Social Science (9 credits)</strong>&lt;br&gt;Recommended: ANTH 101 and ECON 100 and PSY 101&lt;br&gt;&lt;br&gt;<strong>Values and Diversity</strong>&lt;br&gt;Recommended: PSC 101 Introduction to American Politics&lt;br&gt;&lt;br&gt;<strong>TOTAL CREDITS</strong></td>
</tr>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td><strong>Credits</strong></td>
<td><strong>Music Program</strong>&lt;br&gt;MUS 131 Introduction to Music Literature 3&lt;br&gt;MUS 201E Basic musicianship I E 3&lt;br&gt;MUS 201F Basic musicianship I F 1&lt;br&gt;MUS 202E Basic musicianship II E 3&lt;br&gt;MUS 202F Basic musicianship II F 1&lt;br&gt;MUS 207E Advanced musicianship I E 3&lt;br&gt;MUS 207F Advanced musicianship I F 1&lt;br&gt;MUS 208E Advanced musicianship II E 3&lt;br&gt;MUS 208F Advanced musicianship II F 1&lt;br&gt;Private Lessons (MUSA 101-146, MUSA 201-246) 4-8&lt;br&gt;Ensemble (MUSE 101 - MUSE 166) 3-4&lt;br&gt;Piano Proficiency Exam&lt;br&gt;Four semesters Concert Attendance required (MUS 100) 4&lt;br&gt;<strong>TOTAL CREDITS</strong></td>
</tr>
</tbody>
</table>

**NOTE** - Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values 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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- If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

DEGREE PLAN TOTAL CREDITS: 60-62

This course is only offered in the spring semester.
Music Business and Technology
CERTIFICATE OF ACHIEVEMENT (CA) 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.

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

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

CORE REQUIREMENTS (21 credits)
- MUS 181 Business of Music 3
- MUS 231 Recording Techniques I 3
- MUS 232 Recording Techniques II 3
- MUS 239 Virtual Studio Technology 3
- MUS 240 Virtual Studio Technology II 3
- MUS 281B Business of Music II 3
- MUS 285B Advanced Recording Techniques 3

Choose one from the following (3 credits)
- MUS 101 Music Fundamentals 3
- MUS 102 Beginning Music Theory 3

Choose one from the following (3 credits)
- MUS 230 Music Technology II 3
- MUS 260B Studio Session Procedures 3
- MUS 262B Urban Music Production 3
- MUS 291 Legal Aspects of the Music Industry 3
- MUS 292 Audio Post-Production I 3

Computation included in MUS 281B
Human Relations included in COM 115

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

NOTE:
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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 (46 CREDITS)

- BIOL 223 Human Anatomy and Physiology I 4
- BIOL 224 Human Anatomy and Physiology II 4
- BIOL 251 General Microbiology 4
- NURS 101 Introduction to Professional Nursing Practice 6
- NURS 115 Medical-Surgical Nursing I 6.5
- NURS 125 Pharmacology for Nursing Practice 2
- NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice 2
- NURS 211 Medical-Surgical Nursing II 4.5
- NURS 243 Mental Health Nursing 3
- NURS 247 Maternal-Newborn Nursing 4.5
- NURS 248 Pediatric Nursing 3
- NURS 296 Nursing Management and Preceptorship 2.5

See Degree Plan on next page.

NOTE
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
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# Nursing

## ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

**REQUIRED CREDITS: 69**

**DEGREE CODE: NUR-AAS**

### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th><strong>FIRST SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete English composition (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 189 Fundamentals of Life Science</td>
<td>4</td>
</tr>
</tbody>
</table>

*Attend a Limited Entry Program Orientation*

**TOTAL CREDITS** ................................. 13-15

<table>
<thead>
<tr>
<th><strong>SECOND SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Take TEAS test – demonstrate English proficiency</td>
<td></td>
</tr>
<tr>
<td>COM 101 or COM 215</td>
<td>3</td>
</tr>
<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 223 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** ........................................ 14

<table>
<thead>
<tr>
<th><strong>THIRD SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>BIOL 224 Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>BIOL 251 General Microbiology</td>
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</tr>
</tbody>
</table>

**TOTAL CREDITS** ........................................ 8

<table>
<thead>
<tr>
<th><strong>FOURTH SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Admission into the Nursing Program – Standard Track</td>
<td></td>
</tr>
<tr>
<td>NURS 101 Introduction to Professional Nursing Practice</td>
<td>6</td>
</tr>
<tr>
<td>NURS 125B Pharmacology for Nursing Practice</td>
<td>2</td>
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**TOTAL CREDITS** ........................................ 8

<table>
<thead>
<tr>
<th><strong>FIFTH SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 115 Medical-Surgical Nursing I</td>
<td>6.5</td>
</tr>
<tr>
<td>NURS 243 Mental Health Nursing</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** ........................................ 9.5

<table>
<thead>
<tr>
<th><strong>SIXTH SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 247 Maternal-Newborn Nursing</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 248 Pediatric Nursing</td>
<td>3</td>
</tr>
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</table>

**TOTAL CREDITS** ........................................ 7.5

<table>
<thead>
<tr>
<th><strong>SEVENTH SEMESTER</strong></th>
<th><strong>Credits</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice</td>
<td>2</td>
</tr>
<tr>
<td>NURS 211 Medical-Surgical Nursing II</td>
<td>4.5</td>
</tr>
<tr>
<td>NURS 296 Nursing Management and Preceptorship</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** ........................................ 9

**DEGREE PLAN TOTAL CREDITS** ................................. 69-71
This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

DESCRIPTION
This program is designed for practicing License Practical Nurses who wish to prepare to licensure as a registered nurse. The program awards credits for Practical Nursing program courses and Nevada LPN licensure.

Graduates of this program are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) exam for state licensure. Courses in this two-year degree can be applied towards the requirements for a Bachelor of Science in Nursing degree at a four year institution. The program has full approval status by the Nevada State Board of Nursing, 4200 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, Nevada 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

This is a limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

STUDENT LEARNING OUTCOMES
• Incorporate physiological, psychological, social-cultural, and spiritual concepts to provide safe and competent nursing care for patients at various stages in their life span.
• Combine the nursing process with clinical reasoning to assist patients with adaptive behaviors that enhance, maintain, and promote optimal health, quality of life, and/or death with dignity.
• Demonstrate caring behaviors with patients to attain optimal health, quality life, or death with dignity.
• Apply principles of verbal and written communication with professionals and patients.
• Employ the Quality and Safety Education for Nurses Initiatives while incorporating standards of professional practice while working within nursing’s legal, ethical, and regulatory framework while providing care to patients.
• Integrate teaching/learning principles to promote healthy behavior for patients.
• Optimize collaboration with interdisciplinary teams and community resources when managing nursing care of patients.

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

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
COM 101 or 215

HUMAN RELATIONS (3 credits)
Required: PSY 101 General Psychology

NATURAL SCIENCE (4 credits)
Required: BIOL 189 Fundamentals of Life Science

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
Required: SOC 101 Principles of Sociology

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)

Practical Nursing Diploma and Nevada LPN License

BIOL 223 Human Anatomy and Physiology I 4
BIOL 224 Human Anatomy and Physiology II 4
BIOL 251 General Microbiology 4
NURS 125 Pharmacology for Nursing Practice 2
NURS 205 Introduction to Associate Degree Nursing 4.5
NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice 2
NURS 211 Medical-Surgical Nursing II 4.5
NURS 243 Mental Health Nursing 3
NURS 247 Maternal-Newborn Nursing 4.5
NURS 248 Pediatric Nursing 3
NURS 296 Nursing Management and Preceptorship 2.5

See Degree Plan on next page.

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
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FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

**PREREQUISITE**
- Practical Nursing Diploma and Nevada LPN License 8

**TOTAL CREDITS**
- 8

**FIRST SEMESTER**
- 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

*Attend a Limited Entry Program Orientation. Maintain Nevada LPN License through program.*

**TOTAL CREDITS**
- 13-15

**SECOND SEMESTER**
- Take TEAS test – demonstrate English proficiency
- 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**
- Submit application to the Nursing Program by the first day of June for Fall admission or the first day of November for Spring admission
- BIOL 224 Human Anatomy and Physiology II 4
- BIOL 251 General Microbiology 4
- NURS 125B Pharmacology for Nursing Practice 2

**TOTAL CREDITS**
- 10

**FOURTH SEMESTER**
- NURS 205 Introduction to Associate Degree Nursing 4.5
- NURS 243 Mental Health Nursing 3

**TOTAL CREDITS**
- 7.5

**FIFTH SEMESTER**
- NURS 247 Maternal-New Born Nursing 4.5
- NURS 248 Pediatric Nursing 3

**TOTAL CREDITS**
- 7.5

**SIXTH SEMESTER**
- 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**
- 69-71

---

1 NURS 125B is required if not taken during the LPN Program. This course requires permission of the ADN program director.
Ophthalmic Technology – Ophthalmic Dispensing Technician
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)  REQUIRED CREDITS: 68  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 of the program can gain employment as manufacturing opticians, dispensing opticians, entry level management positions in vision care, as well as open their own independent vision care facility.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

Accrediting Agency: Commission on Opticianry Accreditation, P.O. Box 592 Canton, NY 13617, (703) 468-0566.

STUDENT LEARNING OUTCOMES
• Demonstrate the ability to analyze the prescriptive and lifestyle needs of a patient and make appropriate recommendations for optical devices.
• Demonstrate the ability to perform all the daily tasks of a laboratory and dispensing optician in a competent manner.
• Pass the ABO, NCLE, and Nevada State Board of Dispensing Opticians licensing examinations.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
ENG 100 or 101 or 113

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101,112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

NATURAL SCIENCE (3 credits)
AST; BIOL; CHEM; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL; HHP 123B, 124B; PHYS

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM; ANTH (except 102); ART; COM; ECON; ENG 223 or above; GEOG 106 or above; HIST; World Languages; MUS; PHIL; PSC; PSY; SOC; THTR; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and 102

SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)

OPHT 102B Introduction to Contact Lenses 3
OPHT 105B Introduction to Contact Lens Lab 1
OPHT 112B Anatomy and Physiology of the Eye and Related Structures 3
OPHT 121B Ophthalmic Optics I 5
OPHT 123B Ophthalmic Optics II 5
OPHT 155B Geometric Optics 3
OPHT 201B Ophthalmic Dispensing I 5
OPHT 202B Contact Lenses I 5
OPHT 202B 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**  
**DEGREE CODE: OPHT-AAS**

## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>
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** | 16-18 |  
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** | 16 |  
Complete Natural Science (see courses previous page - 3  
Recommended: AST 101)  
**TOTAL CREDITS** | 16 |
| **FOURTH SEMESTER** | 16 |  
Complete Communications (see courses previous page) 3  
Complete Human Relations (see courses previous page - 3  
Recommended: ALS 101)  
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 3  
**TOTAL CREDITS** | 16 |
| **FIFTH SEMESTER** | 17 |  
Complete Fine Arts/Humanities/Social Science (see courses previous page - 3  
Recommended: SOC 101)  
Complete US/NV Constitutions (see courses previous page - 4  
Recommended: PSC 101)  
OPHT 202B Contact Lenses I 3  
OPHT 203B Contact Lenses II 1  
OPHT 232B Opticianry Management Sales 3  
OPHT 260B Introduction to Low Vision 1  
OPHT 299B Certificate Review 2  
**TOTAL CREDITS** | 17 |

**DEGREE PLAN TOTAL CREDITS** 68-70

1. OPHT 232B and OPHT 260B may be taken in the first or second spring semester.  
2. OPHT 291B and OPHT 299B may be taken in the second fall or spring semester.
Paralegal Studies
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 60
DEGREE CODE: LAW-AAS

DESCRIPTION
The Associates of Applied Science Degree in Paralegal Studies is a program of study which qualifies its graduates to be employed in law and business related occupations, including private law firms, corporate departments and government entities. Substantive law is combined with thorough preparation in legal procedures, research methodology and practical knowledge. Elective course offerings will permit students to specialize in particular areas of interest. The Paralegal Studies Program provides the foundation for students to think critically and act ethically in accordance with the local and national rules of professional conduct. Graduates of this program will be prepared to perform high quality legal work under the direction of an attorney. The program encourages graduates to continue educational pursuits and seek community service opportunities.

STUDENT LEARNING OUTCOMES
- Demonstrate ability to manage cases and draft legal documents by applying written skills and knowledge of legal procedures in civil litigation and other substantive areas of law.
- Identify ethical issues and be able to apply the rules of professional conduct through synthesis and analysis.
- Demonstrate knowledge of research methodology by applying critical thinking initiatives to various information formats including computerized and traditional library research.
- Proficient use of word processing software and ability to identify and adapt to different types of law office technology and computer applications.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 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, 210, 247, 260; MGT 100B, 283; PHIL 135, 210, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (3 credits)
See AAS policy p. 48 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106; World Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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**

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Courses and Credits</th>
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<tr>
<td><strong>FIRST SEMESTER</strong></td>
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</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
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<td></td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
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</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
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<tr>
<td>IS 101 Introduction to Information Systems</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<tr>
<td>Complete Fine Arts/Humanities/Social Sciences (see courses previous page)</td>
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<tr>
<td>Complete AAS US/Nevada Constitutions 4 p. 49</td>
<td>4-6</td>
<td></td>
</tr>
<tr>
<td>LAW 101 Fundamentals of Law I</td>
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<td></td>
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<tr>
<td>LAW 259 Legal Writing</td>
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<td>LAW 263 Ethics</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<td>16-18</td>
</tr>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
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<td></td>
</tr>
<tr>
<td>Complete AAS Natural Science p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>LAW 231 Civil Procedure</td>
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<td>LAW 253 Law Office Management</td>
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<tr>
<td>LAW 261 Legal Research I</td>
<td>4</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>FOURTH SEMESTER</strong></td>
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<td>LAW 234 Civil Procedure II</td>
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<td>Complete Electives (see courses previous page)</td>
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<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>DEGREE PLAN TOTAL CREDITS</strong></td>
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<td>60-64</td>
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</tbody>
</table>

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 (CA)**

**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)**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
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<tbody>
<tr>
<td>COM 101, 102, 115, 215; ENG 100, 101, 102, 113, 114, 205; JOUR 102; THTR 105</td>
<td>Communications</td>
<td>3-5</td>
</tr>
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**SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)**

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<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>IS 101</td>
<td>Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>LAW 101</td>
<td>Fundamentals of Law I</td>
<td>3</td>
</tr>
<tr>
<td>LAW 231</td>
<td>Civil Procedure</td>
<td>3</td>
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<td>LAW 234</td>
<td>Civil Procedure II</td>
<td>3</td>
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<tr>
<td>LAW 253</td>
<td>Law Office Management</td>
<td>3</td>
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<tr>
<td>LAW 259</td>
<td>Legal Writing</td>
<td>3</td>
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<tr>
<td>LAW 261</td>
<td>Legal Research I</td>
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<td>LAW 262</td>
<td>Legal Research II</td>
<td>4</td>
</tr>
<tr>
<td>LAW 263</td>
<td>Ethics</td>
<td>3</td>
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</tbody>
</table>

Computation included in LAW 253

Human Relations included in LAW 101

**FULL-TIME STUDENT DEGREE PLAN**

ADD MORE SEMESTERS TO MODIFY THIS PLAN TO FIT PART-TIME STUDENT NEEDS.

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IS 101</td>
<td>Introduction to Information Systems</td>
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<tr>
<td>LAW 101</td>
<td>Fundamentals of Law I</td>
<td>3</td>
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<tr>
<td>LAW 231</td>
<td>Civil Procedure</td>
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<td>LAW 234</td>
<td>Civil Procedure II</td>
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<td>Legal Research II</td>
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<tr>
<td>LAW 263</td>
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**TOTAL CREDITS: 19-21**

**SECOND SEMESTER**

<table>
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<tr>
<td>LAW 234</td>
<td>Civil Procedures II</td>
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<tr>
<td>LAW 253</td>
<td>Law Office Management</td>
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<td>LAW 262</td>
<td>Legal Research II</td>
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</tr>
<tr>
<td>LAW 263</td>
<td>Ethics</td>
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</tbody>
</table>

**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.
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 the skills and abilities to seek opportunities for managerial, clinical or educational advancement after sufficient field experience is obtained.
• 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. 48 for courses

COMMUNICATIONS (3 credits)
BUS 107, 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
HMS 130; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above

NATURAL SCIENCE (5 credits)
Required: HHP 123B and 124B

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; World Languages 101B; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

EMS 125B Pharmacology for Paramedics 3
EMS 127B Paramedic Clinical Practice I 2
EMS 129B Paramedic Fundamentals 3
EMS 130B Paramedic Assessment I 1
EMS 145B Essentials of Paramedic Medicine 3
EMS 165B Pathophysiology for Paramedics 3
EMS 166B Paramedic Technology 4
EMS 167B Paramedic Clinical Practice II 2
EMS 168B Electrophysiology/Electrocardiography 3
EMS 169B Advanced Cardiac Life Support (ACLS) 1
EMS 171B Prehospital Trauma Life Support (PHTLS) 1
EMS 172B Vehicle Extrication for Paramedics 2
EMS 173B Paramedic Field Internship 3
EMS 176B Pediatrics for Paramedics 4
EMS 185B Advanced Emergency Care 3
EMS 202B Advanced ECG Interpretation 1
EMS 230B Paramedic Assessment II 1
HIT 117B Medical Terminology I 1

See Degree Plan on next page.

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

• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.

• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.

• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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)

**LIMITED ENTRY**

**REQUIRED CREDITS: 65**

**DEGREE CODE: EMS-AAS**

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## Full-Time Student Degree Plan

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

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>HHP 123B Introduction to the Human Body†</td>
<td>4</td>
</tr>
<tr>
<td>HHP 124B Introduction to the Human Body Computer Lab†</td>
<td>1</td>
</tr>
<tr>
<td>Complete Fine Arts/ Humanities/ Social Sciences (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits**: 12-14

### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/Nevada Constitutions² (see courses previous page)</td>
<td>4-6</td>
</tr>
</tbody>
</table>

**Total Credits**: 13-15

### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 125B Pharmacology for Paramedics</td>
<td>3</td>
</tr>
<tr>
<td>EMS 127B Paramedic Clinical Practice I</td>
<td>2</td>
</tr>
<tr>
<td>EMS 129B Paramedic Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>EMS 130B Paramedic Assessment I</td>
<td>1</td>
</tr>
<tr>
<td>EMS 165B Pathophysiology for Paramedics</td>
<td>3</td>
</tr>
<tr>
<td>EMS 168B Electrophysiology/Electrocardiography</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**: 15

### Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 145B Essentials of Paramedic Medicine</td>
<td>3</td>
</tr>
<tr>
<td>EMS 171B Prehospital Trauma Life Support (PHTLS)</td>
<td>1</td>
</tr>
<tr>
<td>EMS 172B Vehicle Extrication for Paramedics</td>
<td>2</td>
</tr>
</tbody>
</table>

**Total Credits**: 6

### Fifth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 166B Paramedic Technology</td>
<td>4</td>
</tr>
<tr>
<td>EMS 167B Paramedic Clinical Practice II</td>
<td>2</td>
</tr>
<tr>
<td>EMS 169B Advanced Cardiac Life Support (ACLS)</td>
<td>1</td>
</tr>
<tr>
<td>EMS 176B Pediatrics for Paramedics</td>
<td>4</td>
</tr>
<tr>
<td>EMS 185B Advanced Emergency Care</td>
<td>3</td>
</tr>
<tr>
<td>EMS 202B Advanced ECG Interpretation</td>
<td>1</td>
</tr>
<tr>
<td>EMS 230B Paramedic Assessment II</td>
<td>1</td>
</tr>
</tbody>
</table>

**Total Credits**: 16

### Sixth Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 173B Paramedic Field Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total Credits**: 3

---

### Degree Plan Total Credits

65-69

†BIOL 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 (CA)**  
**REQUIRED CREDITS: 49**  
**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) 210-2300.

**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)**

**HIT 117B** Medical Terminology I 1

**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.
### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3-5</td>
</tr>
<tr>
<td>HHP 123B Introduction to the Human Body&lt;sup&gt;1&lt;/sup&gt;</td>
<td>4</td>
</tr>
<tr>
<td>HHP 124B Introduction to the Human Body – Computer Lab&lt;sup&gt;1&lt;/sup&gt;</td>
<td>1</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>9-11</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 125B Pharmacology for Paramedics</td>
<td>3</td>
</tr>
<tr>
<td>EMS 127B Paramedic Clinical Practice I</td>
<td>2</td>
</tr>
<tr>
<td>EMS 129B Paramedic Fundamentals</td>
<td>3</td>
</tr>
<tr>
<td>EMS 130B Paramedic Assessment I</td>
<td>1</td>
</tr>
<tr>
<td>EMS 165B Pathophysiology for Paramedics</td>
<td>3</td>
</tr>
<tr>
<td>EMS 168B Electrophysiology/Electrocardiography</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
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</tr>
<tr>
<td>EMS 171B Prehospital Trauma Life Support (PHTLS)</td>
<td>1</td>
</tr>
<tr>
<td>EMS 172B Vehicle Extraction for Paramedics</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMS 166B Paramedic Technology</td>
<td>4</td>
</tr>
<tr>
<td>EMS 167B Paramedic Clinical Practice II</td>
<td>2</td>
</tr>
<tr>
<td>EMS 169B Advanced Cardiac Life Support (ACLS)</td>
<td>1</td>
</tr>
<tr>
<td>EMS 176B Pediatrics for Paramedics</td>
<td>4</td>
</tr>
<tr>
<td>EMS 185B Advanced Emergency Care</td>
<td>3</td>
</tr>
<tr>
<td>EMS 202B Advanced ECG Interpretation</td>
<td>1</td>
</tr>
<tr>
<td>EMS 230B Paramedic Assessment I</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
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<table>
<thead>
<tr>
<th>FIFTH SEMESTER</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EMS 173B Paramedic Field Internship</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>3</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS:** 49-51

<sup>1</sup>Biol 223 and BIOL 224 can be taken in lieu of HHP 123B and HHP 124B.

**NOTE:**
- It is highly recommended that students take ALS 101 College Success prior to applying to the Paramedic Program in order to improve chances of success within the rigorous Paramedic Program.
- Due to the high rigor of the Paramedic program, it is highly recommended that students complete all general education requirements before applying to the program.

Upon successful completion of the Paramedic Program, graduates will be able to apply and sit for the National Registry of Emergency Medical Technicians Paramedic Certification exam. Passing of this exam is required in order to obtain a Paramedic attendants license in the State of Nevada, as well as most other states. Please note, courses in the technical portion of the EMS program, with course designation ‘B’, do not transfer to most colleges/universities should a student wish to transfer.
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.

**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 100B Introduction to Pharmacy Practice</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 101B Pharmacy Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 105B Pharmaceutical Math for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 110B Pharmacology I</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 115B Pharmacology II</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 120B Pharmacy Microcomputers</td>
<td>2</td>
</tr>
<tr>
<td>PHAR 126B Pharmacy Technician Practicum</td>
<td>7</td>
</tr>
<tr>
<td>Human Relations included in PHAR 100B</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
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</tr>
</thead>
<tbody>
<tr>
<td>PHAR 110B Pharmacology I</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 101B Computer Keyboarding I</td>
<td>3</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology</td>
<td>1</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 100B Introduction to Pharmacy Practice</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 101B Pharmacy Techniques</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 105B Pharmaceutical Math for Technicians</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 110B Pharmacology I</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHAR 115B Pharmacology II</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 120B Pharmacy Microcomputers</td>
<td>2</td>
</tr>
<tr>
<td>PHAR 126B Pharmacy Technician Practicum</td>
<td>7</td>
</tr>
</tbody>
</table>

**NOTE**

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” 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 (34 CREDITS)

MATHEMATICS (3 credits)
MATH 120 or above (except MATH 122)

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
ENG 231 or 232

ANALYTICAL REASONING (3 credits)
Required: PHIL 102 Reasoning and Critical Thinking

NATURAL SCIENCE (6-7 credits)
(Two courses from the following, one must include a lab):
ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

SOCIAL SCIENCE (9 credits)
(Nine credits must be from three different disciplines):
ANTH (except 102); CRJ 104; ECON; PSC; PSY; SOC; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 for courses

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Recommended: WMST 113 - Completing this course will also count toward completing the Social Science requirement.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

CORE REQUIREMENTS (3 credits)
PHIL 101 Introduction to Philosophy 3

PHIL ELECTIVES choose 3 different PHIL classes
Any PHIL courses not already used to complete a different portion of this degree; those transferring to UNLV should complete PHIL 114. 9

FINE ARTS
ART; DAN 101; MUS; THTR 3

HUMANITIES
COM 101 and one course from the following: 6
ENG 223 or above; HIST; World Languages 111 or above; RST

GENERAL ELECTIVES
See a counselor to select 5-6 transferable credits.

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

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td>MATH 120 Fundamentals of College Mathematics 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ENG 100 or 101 or 113 3-5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PHIL 102 Reasoning and Critical Thinking 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Complete Social Science&lt;sup&gt;1&lt;/sup&gt; (see courses previous page) 3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>COM 101 Oral Communication 3</td>
</tr>
</tbody>
</table>
|                  |         | **TOTAL CREDITS**                                                      | 15-17
| **SECOND SEMESTER** |        | ENG 102 or 114 3                                                       |
|                  |         | Complete Natural Sciences (no lab-see courses previous page) 3-4        |
|                  |         | Complete Social Science<sup>1</sup> (see courses previous page) 3        |
|                  |         | Complete AA/AB/AS US/Nevada Constitutions 4 p. 48                       |
|                  |         | PHIL 101 Introduction to Philosophy 3                                   |
|                  |         | **TOTAL CREDITS**                                                      | 16-17
| **THIRD SEMESTER**  |        | Complete Natural Sciences (with lab-see courses previous page) 3-4      |
|                  |         | Complete Social Science<sup>1</sup> (see courses previous page) 3        |
|                  |         | Complete PHIL Electives<sup>3</sup> 3                                  |
|                  |         | Complete General Electives<sup>4</sup> 3                               |
|                  |         | Complete AA/AB/AS Fine Arts p. 48 3                                    |
|                  |         | **TOTAL CREDITS**                                                      | 15-16
| **FOURTH SEMESTER** |        | ENG 231 or 232 3                                                       |
|                  |         | Complete PHIL Electives<sup>3</sup> 6                                  |
|                  |         | Complete General Electives<sup>4</sup> 2-3                             |
|                  |         | Complete Humanities<sup>5</sup> (see courses previous page) 3           |
|                  |         | **TOTAL CREDITS**                                                      | 14-15
| **DEGREE PLAN TOTAL CREDITS** | | **60-65**                                                              |

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

<sup>2</sup> PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

<sup>3</sup> Any PHIL courses not already used to complete a different portion of this degree; those transferring to UNLV should complete PHIL 114.

<sup>4</sup> See a counselor to select 5-6 transferable credits.

<sup>5</sup> Use the course list that follows “COM 101 and one course from the following.” If choosing an ENG or HIST course to fulfill this requirement, it must be an ENG or HIST course NOT already used to satisfy other areas of this degree.
Photography - Commercial Photography

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 60

DEGREE CODE: PHOTO-AAS

DESCRIPTION
The Photography program offers instruction in commercial photographic skills and creative photographic processes. In addition to learning beginning and intermediate skills, students receive advanced training in photographic capture, digital asset management, studio and location lighting.

STUDENT LEARNING OUTCOMES
- Produce professional quality commercial images using digital camera systems.
- Employ Digital Asset Management workflows for image inventory.
- Produce a photographic portfolio exemplifying skills in at least one of the following areas: Portraiture, Studio Product, Wedding, Editorial, Sports and Entertainment, Photojournalism, Forensics, and Fashion.
- Create studio and location lighting schemes based upon client specifications.
- Produce professional quality marketing materials suitable for commercial photographic business.

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

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

MATH 104B or above

ENGLISH COMPOSITION (3 credits)
ENG 101 or 107

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 115, 215; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201; MGT 100B, 283

NATURAL SCIENCE (3-4 credits)
CHEM 105; ENV 101; PHYS 110; MT 102B

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. 49 for courses

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)

CORE REQUIREMENTS (28 credits)

PHOTOGRAPHY PROGRAM

PHO 101B Beginning Photography 3
PHO 102B Digital Photographic Imaging I 3
PHO 103B Introduction to Lighting 3
PHO 195 Photographic Lighting 4
PHO 208B Large Format Photography I 3
PHO 225 Photographic Commercial/Illustration I 3
PHO 235 Photographic Portraiture I 4
PHO 260B Photographic Business Practices 3
PHO 295B Portfolio 2

ELECTIVES (choose 10 credits)

PHOTO 295B Portfolio 2
PHOTO 260B Photographic Business Practices 3
PHOTO 235 Photographic Portraiture I 4
PHOTO 225 Photographic Commercial/Illustration I 3
PHOTO 103B Introduction to Lighting 3
PHOTO 101B Beginning Photography 3

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER

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

Complete Communications (see courses this page) 3
Complete AAS US/Nevada Constitutions1 p. 49 4-6
PHO 103B Introduction to Lighting 3
Complete Electives (see courses this page) 3
TOTAL CREDITS: 13-15

THIRD SEMESTER

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

FOURTH SEMESTER

PHO 235 Photographic Portraiture I 4
PHO 260B Photographic Business Practices 3
Complete Electives (see courses this page) 3
TOTAL CREDITS: 13-14

FIFTH SEMESTER

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

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

DEGREE PLAN TOTAL CREDITS: 60-63

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.
- 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.

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.
PHOTOGRAPHY PROGRAM

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)

MATHMATICS (3 credits)
MATH 104B or above

ENGLISH COMPOSITION (3 credits)
ENG 101 or 107

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 205; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; MGT 100B, 283;
PHIL. 216, 245

NATURAL SCIENCE (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 credits)
See AAS policy p. 49 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 prefixes, THTR 105, 204

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

FIRST SEMESTER Credits
Complete English Composition (see courses this page) 3
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 4 credits
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) 3
TOTAL CREDITS: 9

FIFTH SEMESTER Credits
Complete Natural Science (see courses this page) 3
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

NOTE - Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
- Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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. 47 for courses

LITERATURE (3 credits)
Recommended: ENG 231 or 232

HUMANITIES (6 credits)
COM 101; and one course from the following:
ENG 224 or above; HIST; World Languages 111 or above; PHIL

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 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 one group (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

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 3

MATH 182L Calculus II Lab 1

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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
# Physical Sciences

**ASSOCIATE OF SCIENCE DEGREE (AS)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: PHYS-AS**

## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>MATH 128 or 181(^1)</td>
<td>4</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>CHEM 121 General Chemistry I</td>
<td>4</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14-16</strong></td>
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<tr>
<th>Semester</th>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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</tr>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities(^2) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives(^3) (see courses this page)</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 151; or PHYS 180 and 180L</td>
<td>4</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<th>Credits</th>
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<tbody>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
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<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>6</td>
</tr>
<tr>
<td>See AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives(^3) (see courses previous page)</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives(^4) (see courses previous page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 231 or 232</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>See degree sheet for course choices(^4) (see courses previous page)</td>
<td>6</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

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

\(^1\)Students who do not place into MATH 128 or 181 will need to complete MATH 126 and MATH 127 (which is listed on the degree sheet to count towards the completion of this degree). Students should understand this route will make them complete more credits in order to complete this degree and it will take them more semesters to complete the degree as well.

\(^2\)Use the course list that follows “COM 101 and one course from the following”

\(^3\)Choose a Physical Science Elective with a lab
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.

**PLEASE NOTE** - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 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. 48 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. 49 for courses

**SPECIAL PROGRAM REQUIREMENTS (48 CREDITS)**

- **MATHEMATICS (3 credits)**
  Recommended: MATH 116 Technical Mathematics

- **ENGLISH COMPOSITION (3-5 credits)**
  See AAS policy p. 48 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. 49 for courses

**NOTE**

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” 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 THERAPIST ASSISTANT PROGRAM

## LIMITED ENTRY

## ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

## REQUIRED CREDITS: 72

## DEGREE CODE: PT-AAS

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## FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 116 Technical Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Natural Science(^1) (see courses previous page)</td>
<td>5-8</td>
</tr>
<tr>
<td>PT 100 Introduction to Physical Therapy</td>
<td>3</td>
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**TOTAL CREDITS** ........................................................................................................ 14-19

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
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<tbody>
<tr>
<td>Complete Communications (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PT 105 Musculoskeletal Anatomy Review</td>
<td>1</td>
</tr>
<tr>
<td>PT 110 Principles of Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PT 111 Problems in Kinesiology</td>
<td>2</td>
</tr>
<tr>
<td>PT 117 Fundamental Principles for the PTA</td>
<td>2</td>
</tr>
<tr>
<td>PT 118 Fundamental Procedures for the PTA</td>
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**TOTAL CREDITS** ........................................................................................................ 15

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>PT 122 Psychological-Social Considerations in Patient Care</td>
<td>3</td>
</tr>
<tr>
<td>PT 120 Observation and Measurement Principles for the PTA</td>
<td>2</td>
</tr>
<tr>
<td>PT 121 Observation and Measurement Procedures</td>
<td>2</td>
</tr>
<tr>
<td>PT 125 Principles of Physical Agents</td>
<td>2</td>
</tr>
<tr>
<td>PT 126 Physical Agent Procedures and Practices</td>
<td>2</td>
</tr>
<tr>
<td>PT 130 Administration in Physical Therapy 2</td>
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<tr>
<td>PT 134 Clinical Affiliation I</td>
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**TOTAL CREDITS** ........................................................................................................ 16

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<tr>
<th>FOURTH SEMESTER</th>
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<tbody>
<tr>
<td>PT 225 Therapeutic Principles for Musculoskeletal Pathologies</td>
<td>3</td>
</tr>
<tr>
<td>PT 226 Therapeutic Procedures for Musculoskeletal Pathologies</td>
<td>2</td>
</tr>
<tr>
<td>PT 238 Pathophysiology I</td>
<td>3</td>
</tr>
<tr>
<td>PT 240 Orthotic and Prosthetic Considerations in Patient Care</td>
<td>1</td>
</tr>
<tr>
<td>PT 244 Clinical Affiliation II</td>
<td>2</td>
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<tr>
<td>PT 250 Therapeutic Principles for Cardiopulmonary Pathologies</td>
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</tr>
<tr>
<td>PT 251 Therapeutic Procedures for Cardiopulmonary Pathologies</td>
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**TOTAL CREDITS** ........................................................................................................ 14

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<tr>
<th>FIFTH SEMESTER</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Complete AAS US/Nevada Constitutions(^2) p. 49</td>
<td>4-6</td>
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<tr>
<td>PT 248 Pathophysiology II</td>
<td>3</td>
</tr>
<tr>
<td>PT 254 Therapeutic Principles for Neuromuscular Pathologies</td>
<td>3</td>
</tr>
<tr>
<td>PT 255 Therapeutic Procedures for Neuromuscular Pathologies</td>
<td>2</td>
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<tr>
<td>PT 256 Clinical Affiliation III</td>
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</table>

**TOTAL CREDITS** ........................................................................................................ 14-16

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

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

2. PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the third semester and complete HIST 102 or 217 in the fourth semester.
Applied Politics/Political Management

CERTIFICATE OF ACHIEVEMENT (CA)  
REQUERIED 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

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

FIRST SEMESTER
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
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.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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. 47 for courses (must earn a C or better)

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 47 for courses

**ANALYTICAL REASONING (3 credits)**

Recommended: PHIL 102 Reasoning and Critical Thinking

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

See AA/AB/AS policy p. 48 for courses

**HUMANITIES (3 credits)**

Required: COM 101 Oral Communications

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 48 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)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 101</td>
<td>Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>PSC 200</td>
<td>Survey of Political Theory</td>
<td>3</td>
</tr>
<tr>
<td>PSC 211</td>
<td>Introduction to Comparative Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSC 231</td>
<td>Introduction to International Relations</td>
<td>3</td>
</tr>
</tbody>
</table>

**ELECTIVES (choose 14 credits)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>GLO 101</td>
<td>Introduction to Global Studies</td>
<td>3</td>
</tr>
<tr>
<td>PSC 201</td>
<td>Politics of Minority Groups</td>
<td>3</td>
</tr>
<tr>
<td>PSC 205</td>
<td>Latino Politics and Society</td>
<td>3</td>
</tr>
<tr>
<td>PSC 208</td>
<td>Survey of State and Local Government</td>
<td>3</td>
</tr>
<tr>
<td>PSC 210</td>
<td>American Public Policy</td>
<td>3</td>
</tr>
<tr>
<td>PSC 222</td>
<td>Terrorism and Political Violence</td>
<td>3</td>
</tr>
<tr>
<td>PSC 246</td>
<td>Politics of Developing Nations</td>
<td>3</td>
</tr>
<tr>
<td>PSC 251</td>
<td>Introduction to Campaign Management</td>
<td>3</td>
</tr>
<tr>
<td>PSC 252</td>
<td>Elements of Political Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSC 253</td>
<td>Online Campaign Strategies</td>
<td>3</td>
</tr>
<tr>
<td>PSC 257</td>
<td>Political Parties and Interest Groups</td>
<td>3</td>
</tr>
<tr>
<td>PSC 259</td>
<td>Lobbying and Issue Advocacy</td>
<td>3</td>
</tr>
<tr>
<td>PSC 260</td>
<td>Grassroots Politics</td>
<td>3</td>
</tr>
<tr>
<td>PSC 261</td>
<td>Introduction to Survey Research and Demographics</td>
<td>3</td>
</tr>
<tr>
<td>PSC 295</td>
<td>Special Topics in Political Science</td>
<td>1-3</td>
</tr>
<tr>
<td>PSC 297</td>
<td>Capstone in Political Science</td>
<td>2</td>
</tr>
<tr>
<td>PSC 299</td>
<td>Government Internship</td>
<td>3</td>
</tr>
</tbody>
</table>

**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

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>MATH 120</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>PHIL 102</td>
<td>3</td>
</tr>
<tr>
<td>COM 101</td>
<td>3</td>
</tr>
<tr>
<td>PSC 200</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AS/AB Natural Science (with lab) p. 48</td>
<td>3-4</td>
</tr>
<tr>
<td>HIST 101 or 111</td>
<td>3</td>
</tr>
<tr>
<td>PSC 101</td>
<td>4</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-17</strong></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (no lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>HIST 102 or 217</td>
<td>3</td>
</tr>
<tr>
<td>PSC 211</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>See AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>See AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>PSC 231</td>
<td>3</td>
</tr>
<tr>
<td>PSC 297</td>
<td>2</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14</strong></td>
</tr>
</tbody>
</table>

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

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

2 Completing PSC 201 as one of your Electives will also cover the Values and Diversity general education requirement.
PRACTICAL NURSING PROGRAM

CERTIFICATE OF ACHIEVEMENT (CA)

REQUIRED CREDITS: 44

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)

MATHMATICS (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.
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### PRACTICAL NURSING PROGRAM

**LIMITED ENTRY**

**CERTIFICATE OF ACHIEVEMENT (CA)**

**REQUIRED CREDITS:** 44

**DEGREE CODE:** PRN-CT

---

**FULL-TIME STUDENT DEGREE PLAN**

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

**FIRST SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>NURS 130 Nursing Assistant</td>
<td>6</td>
</tr>
<tr>
<td>HHP 123B Introduction to the Human Body</td>
<td>4</td>
</tr>
<tr>
<td>HHP 124B Introduction to the Human Body</td>
<td></td>
</tr>
<tr>
<td>PN 100L Practical Nursing Learning Lab</td>
<td>1</td>
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</table>

**TOTAL CREDITS** 6 (12)

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete Communications</td>
<td>3-5</td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
</tr>
<tr>
<td>PN 101B Introduction to Practical Nursing</td>
<td>2</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 12-14

**THIRD SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PN 103B Gerontological Health Care</td>
<td>2</td>
</tr>
<tr>
<td>PN 104B Practical Nursing Fundamentals</td>
<td>5</td>
</tr>
<tr>
<td>PN 105B Practical Nursing I</td>
<td>5</td>
</tr>
<tr>
<td>PN 125B Pharmacology for Practical Nursing Practice</td>
<td>3</td>
</tr>
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</table>

**TOTAL CREDITS** 15

**FOURTH SEMESTER**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>PN 106B Family Nursing</td>
<td>3</td>
</tr>
<tr>
<td>PN 108B Practical Nursing II</td>
<td>4</td>
</tr>
<tr>
<td>PN 110B Practical Nursing Seminar/Management Concepts</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS** 11

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

---

1. Prior to starting courses take English and Math placement examinations. Attend a Health Sciences Orientation. Take TEAS exam. Attend Limited Entry Orientation and apply for Practical Nursing Program.

2. Completion of an approved nursing assistant course and current nursing assistant certification in Nevada by the start of the 3rd semester. Recommended that this be completed the first semester.

3. BIOL 223 and BIOL 224 would be accepted in lieu of HHP 123B and HHP 124B.

Interview with ADN Program Director regarding Bridge option to Registered Nurse. Start RN Program at completion of program.

NOTE: First three months after graduation:

- Take NCLEX-PN prep course (Optional).
- Take NCLEX-PN Exam – Required for licensure.
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 (3-5 credits)**

ENG 100 or 101 or 102 or 113 or 114 (3-5 Credits).

**SPECIAL PROGRAM REQUIREMENTS (31 CREDITS)**

Military Medical Course(s) 16
PN 106B Family Nursing 3
PN 107B Adult Health Nursing 1 4.5
PN 109B Adult Health Nursing 2 4.5
PN 111B Practical Nursing Leadership/Management 3

Computation included in PN 106B, 107B, 109B
Human Relations included in PN 106B, 107B, 109B, 111B

**FULL-TIME STUDENT DEGREE PLAN**

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

**PREQUISITES1**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Military Medical Courses</td>
<td></td>
</tr>
<tr>
<td>Submit official transcripts indicating basic military medical training2</td>
<td></td>
</tr>
<tr>
<td>ENG 100 or 101 or 102 or 113 or 114</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
</tr>
</tbody>
</table>

**SECOND SEMESTER**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Program Requirements</td>
<td></td>
</tr>
<tr>
<td>PN 106B Family Nursing</td>
<td></td>
</tr>
<tr>
<td>PN 107B Adult Health Nursing 1</td>
<td></td>
</tr>
<tr>
<td>PN 109B Adult Health Nursing 2</td>
<td></td>
</tr>
<tr>
<td>PN 111B Practical Nursing Leadership/Management</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>34</strong></td>
<td></td>
</tr>
</tbody>
</table>

1Meet with the Practical Nursing Program Director.
2Submit official transcripts indicating completion of basic military medical training (16 credits).
3Submit official transcripts indicating completion of ENG 100 or 101 or 102 or 113 or 114 (3-5 Credits).

**NOTE: Prior to graduation:**

- Apply for graduation.
- Apply for LPN license.
- Apply for NCLEX-PN examination.

**NOTE: The first three months after graduation:**

- Take NCLEX-PN prep course (optional).
- Take NCLEX-PN (required for licensure).

**NOTE**

- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
- In no case, may one course be used to meet more than one requirement except for the Values 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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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. 47 for courses

LITERATURE (3 credits)
See AA/AB/AS policy p. 47 for courses

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

HUMANITIES (6 credits)
COM 101; and one course from the following: HIST; World Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AA/AB/AS policy p. 48 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 |

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 | 3 |
| MHDD 154 | Advanced Therapeutic Interventions | 4 |
| MHDD 160 | Understanding Mental Illness | 2 |
| MHDD 210 | Autism Spectrum Disorders | 3 |
| PSY 102 | Psychology of Personal and Social Adjustment | 3 |
| PSY 130 | Human Sexuality | 3 |
| PSY 201 | Lifespan Development | 3 |
| PSY 203 | Advanced General Psychology I | 3 |
| PSY 206 | Business/Industrial Psychology | 3 |
| PSY 207 | Psychology and the Family | 3 |
| PSY 208 | Psychology of Human Relations | 3 |
| PSY 224 | Introduction to Latino Psychology | 3 |
| PSY 228 | Psychology of Dreams | 3 |
| PSY 233 | Child Psychology | 3 |
| PSY 234 | Psychology of Adolescence | 3 |
| PSY 241 | Introduction to Abnormal Psychology | 3 |
| PSY 261 | Introduction to Social Psychology | 3 |
| PSY 270 | Undergraduate Psychology Through Film | 3 |
| PSY 276 | Aging in Modern American Society | 3 |
| PSY 299 | Special Topics | 3 |

Up to 9 credits from the following courses may also be used as part of the 14 elective credits if needed to meet specific program requirements at UNLV, UNR, or NSC.

| * Up to nine credits in three different disciplines, from ANTH 101; ECON; PSC; SOC; WMST 101, 113 |
| * Up to three credits from ART; DAN; MUS; THTR |
| * Up to three credits from World Languages |

See Degree Plan on next page.

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

PSYCH 2017-2018 GENERAL CATALOG & STUDENT HANDBOOK
# Psychology

**ASSOCIATE OF ARTS DEGREE (AA)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: PSY-AA**

## FULL-TIME STUDENT DEGREE PLAN

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

### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Natural Science (No Lab – see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>PSY 101 or PSY 101H</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 15-17**

### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science 1 (With Lab – see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
<tr>
<td>PSY 200 Introduction to the Psychology Major</td>
<td>1</td>
</tr>
<tr>
<td>PSY 210 Introduction to Statistical Methods</td>
<td>4</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 14-15**

### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions 2 p. 48</td>
<td>4-6</td>
</tr>
<tr>
<td>PSY 240 Introduction to Research Methods</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>6</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 16-18**

### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities 3 (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>PSY 298 Capstone Course</td>
<td>1</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>8</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS: 15**

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

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

2 PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and HIST 102 or 217 in the 3rd semester.

3 Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and...”

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**Psychology Program**

**Required Credits: 60**

**Degree Code: PSY-AA**

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**CSN 2017-2018 General Catalog & Student Handbook**

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**Page 303**
Radiation Therapy Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

REQUIRED CREDITS: 82

DEGREE CODE: RADTHR-AAS

LIMITED ENTRY

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 maintained.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 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)

<table>
<thead>
<tr>
<th>Subject Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATHEMATICS (3 credits)</td>
<td>MATH 116 or above (except MATH 122, 123)</td>
</tr>
<tr>
<td>ENGLISH COMPOSITION (3-5 credits)</td>
<td>See AAS policy p. 48 for courses</td>
</tr>
<tr>
<td>COMMUNICATIONS (3 credits)</td>
<td>BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105</td>
</tr>
<tr>
<td>HUMAN RELATIONS (3 credits)</td>
<td>ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HUM 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above</td>
</tr>
<tr>
<td>NATURAL SCIENCE (12 credits)</td>
<td>BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above</td>
</tr>
<tr>
<td>FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)</td>
<td>Recommended: PSY 101 General Psychology</td>
</tr>
<tr>
<td>U.S. AND NEVADA CONSTITUTIONS (4-6 credits)</td>
<td>Recommended: PSC 101 Introduction to American Politics</td>
</tr>
</tbody>
</table>

SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>RDTP 101B</td>
<td>Introduction to Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 102B</td>
<td>Methodologies I</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 103B</td>
<td>Introduction to Oncology</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 105B</td>
<td>Principles and Practice of Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 115B</td>
<td>Caring for the Patient at the End of Life</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 125B</td>
<td>Radiographic Process</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 150B</td>
<td>Introduction to Radiation Physics</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 180B</td>
<td>Radiobiology</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 202B</td>
<td>Radiotherapy Physics</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 210B</td>
<td>Treatment Planning I</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 211B</td>
<td>Radiographic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 212B</td>
<td>Cross Sectional, Topographic and Radiological Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 213B</td>
<td>Radiation Oncology</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 214B</td>
<td>Methodologies II</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 215B</td>
<td>Treatment Planning II</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 216B</td>
<td>Methodologies III</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 219B</td>
<td>Advanced Radiation Therapy Techniques</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 220B</td>
<td>Treatment Planning Lab</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 221B</td>
<td>Ethics/Law/Professionalism</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 229B</td>
<td>Radiation Therapy Board Review</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 230B</td>
<td>Clinical Applications I</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 231B</td>
<td>Clinical Applications II</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 232B</td>
<td>Clinical Practicum III</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 233B</td>
<td>Clinical Practicum IV</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 234B</td>
<td>Clinical Practicum V</td>
<td>4</td>
</tr>
</tbody>
</table>

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
DEGREE CODE: RADTHR-AAS

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>BIOL 223 Human Anatomy and Physiology I</td>
<td>4</td>
</tr>
<tr>
<td>EGG 131 and EGG 131L; or PHYS 110 or above</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14-16</strong></td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 101B Introduction to Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 103B Introduction to Oncology</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 105B Principles and Practice of Radiation Therapy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 125B Radiographic Process</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 150B Introduction to Radiation Physics</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 230B Clinical Applications I</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 224 Human Anatomy and Physiology II</td>
<td>4</td>
</tr>
<tr>
<td>RDTP 102B Methodologies I</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 115B Caring for the Patient at the End of Life</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 210B Treatment Planning I</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 211B Radiographic Analysis</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 220B Treatment Planning Lab</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 221B Ethics/Law/Professionalism</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 231B Clinical Applications II</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
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</tbody>
</table>

FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>RDTP 232 Clinical Practicum III</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>3</strong></td>
</tr>
</tbody>
</table>

FIFTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 202B Radiotherapy Physics</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 213B Radiation Oncology</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 214B Methodologies II</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 215B Treatment Planning II</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 219B Advanced Radiation Therapy Techniques</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 233B Clinical Practicum IV</td>
<td>1</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>17</strong></td>
</tr>
</tbody>
</table>

SIXTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>RDTP 180B Radiobiology</td>
<td>3</td>
</tr>
<tr>
<td>RDTP 212B Cross Sectional, Topographic and Radiological Anatomy</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 216B Methodologies III</td>
<td>2</td>
</tr>
<tr>
<td>RDTP 229B Radiation Therapy Board Review</td>
<td>1</td>
</tr>
<tr>
<td>RDTP 234B Clinical Practicum V</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16</strong></td>
</tr>
</tbody>
</table>

DEGREE PLAN TOTAL CREDITS .............................................................82-84
REAL ESTATE PROGRAM

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 prepares 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)

MATHMATICS (3 credits)
BUS 109B; or MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 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, 210, 247, 260; HMS 130;
MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261;
SOC 101 or above; WMST 113

NATURAL SCIENCE (3 credits)
ANTH 102; AST; BIOL 101 or above; CHEM 103 or above; EGG 131, 132;
ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above;
MT 102B, 110B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above;
CRJ 104; DAN 101; ECON; ENG 223 or above; GEOG 106; World Languages
101B or above; MUS 101 or above; THTR 100 or above (except 105)

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

BUS 101 Introduction to Business 3
IS 101 Introduction to Information Systems 3
MKT 210 Marketing Principles 3
RE 101 Real Estate Principles 3
RE 102B Real Estate Math 3
RE 103 Real Estate Law and Practice 3
RE 199 Real Estate Investments 3
RE 201B Real Estate Brokerage 3
RE 202 Real Estate Financing and Insurance 3
RE 203B Tax Aspects of Real Property Transactions 3
RE 205B Real Property Management 3
RE 206 Real Estate Appraising 3
RE 295B Work Experience I 3

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

FIRST SEMESTER Credits
Complete Mathematics (see courses this page) 3
Complete AAS English Composition p. 48 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 p. 49 4-6
BUS 101 Introduction to Business 3
MKT 210 Marketing Principles 3
RE 101 Real Estate Principles 3
RE 102B Real Estate Math 3
RE 102B Real Estate Financing and Insurance 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

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

DEGREE CODE: RE-AAS

FIRST SEMESTER

MATHMATICS (3 credits)
BUS 109B; or MATH 104B or above (except MATH 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 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, 210, 247, 260; HMS 130;
MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261;
SOC 101 or above; WMST 113

NATURAL SCIENCE (3 credits)
ANTH 102; AST; BIOL 101 or above; CHEM 103 or above; EGG 131, 132;
ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above;
MT 102B, 110B; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above;
CRJ 104; DAN 101; ECON; ENG 223 or above; GEOG 106; World Languages
101B or above; MUS 101 or above; THTR 100 or above (except 105)

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 for courses

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

BUS 101 Introduction to Business 3
IS 101 Introduction to Information Systems 3
MKT 210 Marketing Principles 3
RE 101 Real Estate Principles 3
RE 102B Real Estate Math 3
RE 103 Real Estate Law and Practice 3
RE 199 Real Estate Investments 3
RE 201B Real Estate Brokerage 3
RE 202 Real Estate Financing and Insurance 3
RE 203B Tax Aspects of Real Property Transactions 3
RE 205B Real Property Management 3
RE 206 Real Estate Appraising 3
RE 295B Work Experience I 3

FIRST SEMESTER Credits
Complete Mathematics (see courses this page) 3
Complete AAS English Composition p. 48 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 p. 49 4-6
BUS 101 Introduction to Business 3
MKT 210 Marketing Principles 3
RE 101 Real Estate Principles 3
RE 102B Real Estate Math 3
RE 102B Real Estate Financing and Insurance 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.
Real Estate
CERTIFICATE OF ACHIEVEMENT (CA) 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.

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

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)
COMMUNICATIONS (3-5 credits)
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)
RE 101 Real Estate Principles 3
RE 102B Real Estate Math 3
RE 103 Real Estate Law and Practice 3
RE 199 Real Estate Investments 3
RE 202 Real Estate Financing and Insurance 3
RE 203B Tax Aspects of Real Property Transactions 3
RE 205B Real Property Management 3
RE 206 Real Estate Appraising 3

Computation included in RE 102B
Human Relations included in RE 202

NOTE - Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” 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 (CA)  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

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

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
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. 47 for courses

**LITERATURE (3 credits)**

See AA/AB/AS policy p. 47 for courses

**ANALYTICAL REASONING (3 credits)**

See AA/AB/AS policy p. 47 for courses

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

(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS

**HUMANITIES (6 credits)**

- COM 101; and one course from the following: HIST; World Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST

**FINE ARTS (3 credits)**

See AA/AB/AS policy p. 48 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 245  Introduction to Marriage and Family 3
- SOC 270  Introduction to Deviant Behavior 3
- SOC 275  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**

(Six credits must be from two different disciplines): ANTH (except 102); CJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; WMST 113

See Degree Plan on next page.
### FULL-TIME STUDENT DEGREE PLAN

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
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<tr>
<td>ENG 100 or 101 or 113</td>
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</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
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<tr>
<td>Complete Natural Science (No Lab – see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Elective #1 (see courses previous page)</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-17</td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities(^1) (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (With Lab – see courses previous page)</td>
<td>3-4</td>
</tr>
<tr>
<td>Complete AA/AS/AB Fine Arts p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete Elective #2 (see courses previous page)</td>
<td>3-4</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
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<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
</tr>
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<td>HIST 101 or HIST 111</td>
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<td>Complete Elective #2 (see courses previous page)</td>
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<tr>
<td>Complete Elective #3 (see courses previous page)</td>
<td>3-4</td>
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<tr>
<td><strong>FOURTH SEMESTER</strong></td>
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<tr>
<td>HIST 102 or HIST 217</td>
<td>3</td>
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<tr>
<td>Complete Social Science Electives (see courses previous page)</td>
<td>6</td>
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<tr>
<td>Complete Elective #3 (see courses previous page)</td>
<td>3-4</td>
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<tr>
<td>SOC 289 Applied Skills in Sociology</td>
<td>3</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15-16</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

60-67

\(^1\)Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and…”
Surgical Technology
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 63.5
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 (36.5 CREDITS)

CLS 125B Microbiology for Surgical Technicians 2
CLS 126B Applied Microbiology for Surgical Technicians 1
HIT 117B Medical Terminology I 1
SRGT 101B Introduction to Surgery Technology 1
SRGT 103B Pharmacology for the Surgical Technologist 2
SRGT 105B Surgical Interventions I 5
SRGT 106B Surgical Fundamentals I 3
SRGT 108B Central Services Practicum 0.5
SRGT 114B Principles and Practices of Surgical Technology I 3
SRGT 204B Principles and Practices of Surgical Technology II 3
SRGT 205B Surgical Interventions II 5
SRGT 206B Surgical Fundamentals II 3
SRGT 207B Clinical Practicum I 4
SRGT 210B Clinical Practicum II 3

See Degree Plan on next page.

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

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

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<td><strong>FIRST SEMESTER</strong></td>
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<tr>
<td>BIOL 189 Fundamentals of Life Science</td>
<td>3</td>
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<td>Complete Mathematics (see courses previous page)</td>
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<tr>
<td>Complete English Composition (see courses previous page)</td>
<td>3-5</td>
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<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
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<tr>
<td>BIOL 223 Human Anatomy and Physiology I</td>
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<tr>
<td>HIT 117B Medical Terminology I</td>
<td>1</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td><strong>14 (17) - 16 (19)</strong></td>
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<tr>
<td><strong>SECOND SEMESTER</strong></td>
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<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
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<td>PSY 101 General Psychology</td>
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</tr>
<tr>
<td>BIOL 224 Human Anatomy and Physiology II</td>
<td>4</td>
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<tr>
<td>Complete US/NV Constitutions (see courses previous page)</td>
<td>4-6</td>
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<tr>
<td>SRGT 101B Introduction to Surgery Technology</td>
<td>1</td>
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<td>CLS 125B Microbiology for Surgical Technicians</td>
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<td>CLS 126B Applied Microbiology for Surgical Technicians</td>
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<td>SRGT 103B Pharmacology for the Surgical Technologist</td>
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<td>SRGT 105B Surgical Interventions I</td>
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<td>SRGT 106B Surgical Fundamentals I</td>
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<td>SRGT 114B Principles and Practices of Surgical Technology I</td>
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<td>SRGT 108B Central Services Practicum</td>
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<td>SRGT 204B Principles and Practices of Surgical Technology II</td>
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<td>SRGT 205B Surgical Interventions II</td>
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<tr>
<td>SRGT 206B Surgical Fundamentals II</td>
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<td>SRGT 207B Clinical Practicum I</td>
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<tr>
<td><strong>FIFTH SEMESTER</strong></td>
<td><strong>3</strong></td>
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<td>SRGT 210B Clinical Practicum II</td>
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**DEGREE PLAN TOTAL CREDITS**: 63.5 (66.5) - 67.5 (70.5)

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1. BIOL 189, although not included for the AAS degree, it is a prerequisite of BIOL 223 and BIOL 225 and must be completed prior to enrolling in those classes.

2. PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 in the 2nd semester and HIST 102 or 217 in the fourth semester.
Theatre

ASSOCIATE OF ARTS DEGREE (AA)

REQUIRED CREDITS: 60

DEGREE CODE: THTRE-AA

DESCRIPTION
The Associate of Arts in Theatre offers generalized study in all aspects of theatre for students who wish to pursue a career in theatre or transfer to a four-year degree program in theatre. Courses of study include play structure and analysis, acting, voice and movement, directing, stage combat, technical production, design, stagecraft, lighting, and costume technology.

STUDENT LEARNING OUTCOMES
- Analyze plays and performance through script analysis, collaborative discussion, and practical application.
- Assess the impact of acting, directing, scenery, lighting, and costumes on a theatrical production.
- Model roles and responsibilities of the production process in the areas of acting, scenery, costumes, lighting, design, and production.
- Identify theatre vocabulary through reading, research, and practical application.
- Prepare for professional careers in theatre or transfer into a four-year degree program in performance and design/technology.

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

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

MATHEMATICS (3 credits)
Choices: See AA/AB/AS policy p. 47 for courses
Recommended: MATH 120 Fundamentals of College Mathematics

ENGLISH COMPOSITION (6-8 credits)
See AA/AB/AS policy p. 47 for courses

LITERATURE (3 credits)
Choices: See AA/AB/AS policy p. 47 for courses
Recommended: ENG 223 Themes of Literature

ANALYTICAL REASONING (3 credits)
See AA/AB/AS policy p. 47 for courses

NATURAL SCIENCE (6-7 credits)
See AA/AB/AS policy p. 48 for courses

SOCIAL SCIENCE (9 credits)
See AA/AB/AS policy p. 48 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Choices: See AA/AB/AS policy p. 48 for courses
Recommended: PSC 101 Introduction to American Politics

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. Completing any of the following recommended courses satisfies this requirement: ENG 223 or ANTH 101 or PSY 101.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

CORE REQUIREMENTS (18 credits)
THTR 199  Play Structure and Analysis  3
THTR 200  Introduction to Design/Technology  3
THTR 204  Theatre Technology I  3
THTR 214  Costume Design Technology  3
THTR 230  Voice and Movement for the Actor I  3
THTR 231  Acting Studio I: Technique  3

Theatre Electives (3 credits)
THTR 108  Introduction to Playwriting  3
THTR 133  Fundamentals of Directing  3
THTR 211  Stage Makeup Design  3
THTR 245  Basic Stage Combat  3
THTR 280  Acting Studio I: Audition  3

Practicum Electives (5 credits)
THTR 208A  Acting Practicum  1-2
THTR 208C  Costume Practicum  1-2
THTR 208D  Scenery Practicum  1-2
THTR 208E  Special Topics Practicum  1-2

See Degree Plan on next page.

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

## Full-Time Student Degree Plan

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

### First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 120 Fundamentals of College Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 199 Play Structure and Analysis</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 200 Introduction to Design/Tech</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 208C Costume Practicum</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16-18</strong></td>
<td></td>
</tr>
</tbody>
</table>

### Second Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Analytical Reasoning p. 47</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 204 Theatre Technology I</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 208D Scenery Practicum</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>THTR 231 Acting Studio I: Technique</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab) p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>16</strong></td>
<td></td>
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</table>

### Third Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>ENG 223 Themes of Literature</td>
<td>3</td>
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<tr>
<td>THTR 208C Costume Practicum</td>
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<tr>
<td>THTR 214 Costume Technology</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>THTR 208E Special Topics Practicum</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Complete Theatre Elective (see courses previous page)</td>
<td>3</td>
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</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td><strong>14</strong></td>
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### Fourth Semester

<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>Complete AA/AB/AS Natural Science¹ (With Lab) p. 48</td>
<td>3-4</td>
<td></td>
</tr>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
<td></td>
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<tr>
<td>THTR 208A Acting Practicum</td>
<td>1</td>
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<tr>
<td>THTR 230 Voice and Movement for the Actor I</td>
<td>3</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>14-15</strong></td>
<td></td>
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</tbody>
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| **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.
Concierge Management
CERTIFICATE OF ACHIEVEMENT (CA)

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

NOTE
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
- Course numbers with the “H” 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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FULL-TIME STUDENT DEGREE PLAN
Add more semesters to modify this plan to fit part-time student needs.

FIRST SEMESTER Credits
Complete Communications (see courses this page) 3-5
TCA100B Concierge Management Business Operations and Customer Service 3
TCA 101B Concierge Software Applications and Operations 3
TCA 141 Travel and Tourism I 3
TCA 241 Travel and Tourism II 3
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
TOURISM, CONVENTION, AND EVENT PLANNING PROGRAM

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. 48 for courses

COMMUNICATIONS (3 credits)
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105

HUMAN RELATIONS (3 credits)
ALS 101; ANTH 101, 112, 201, 205; COM 102; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113

NATURAL SCIENCE (3 credits)
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
See AAS policy p. 49 for courses

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
See AAS policy p. 49 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

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

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AAS English Composition p. 48</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Communications (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts/Humanities/Social Science p. 49</td>
<td>3</td>
</tr>
<tr>
<td>TCA 141 Travel and Tourism I</td>
<td>3</td>
</tr>
<tr>
<td>TCA 241 Travel and Tourism II</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>HMD 101 Introduction to the Hospitality Industry</td>
<td>3</td>
</tr>
<tr>
<td>TCA 110 Introduction to the Convention Industry</td>
<td>3</td>
</tr>
<tr>
<td>TCA 188 Special Events Planning</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Natural Science (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete AAS US/NV Constitutions(^1) p. 49</td>
<td>4-6</td>
</tr>
<tr>
<td>FAB 285 Catering Management</td>
<td>3</td>
</tr>
<tr>
<td>TCA 289 Introduction to Corporate Meetings and Events</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>16-18</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Human Relations (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>TCA 251 Tourism and Convention Externship</td>
<td>3</td>
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<tr>
<td>Complete Electives (see courses previous page)</td>
<td>9</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS**

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\(^1\)PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.
Tourism, Convention, and Event Planning
CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 30 DEGREE CODE: TRVTCEP-CT

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

NOTE - Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
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Veterinary Technology
ASSOCIATE OF APPLIED SCIENCE DEGREE (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. 48 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.
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Veterinary Technology
ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)
REQUIRED CREDITS: 74
DEGREE CODE: VETT-AAS

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

<table>
<thead>
<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
<td>10-12</td>
</tr>
<tr>
<td>See AAS English Composition p. 48</td>
<td>3-5</td>
<td></td>
</tr>
<tr>
<td>ALS 101 College Success</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 189 Fundamentals of Life Science</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<td><strong>10-12</strong></td>
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<th>SEMESTER</th>
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<th>Credits</th>
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</thead>
<tbody>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>BIOL 251 General Microbiology</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>PSY 101 General Psychology</td>
<td>3</td>
<td></td>
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<tr>
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<td><strong>10</strong></td>
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<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
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<td>7</td>
</tr>
<tr>
<td>MATH 104B Applied Mathematics</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td></td>
<td><strong>7</strong></td>
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<table>
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<tr>
<th>SEMESTER</th>
<th>Credits</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>VETT 101B Introduction to Animal Health Technology</td>
<td>1</td>
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<tr>
<td>VETT 105B Veterinary Medical Terminology</td>
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<tr>
<td>VETT 110B Clinical Anatomy and Physiology I</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>VETT 125B Veterinary Office and Clinical Procedures</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
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<tr>
<td>VETT 112B Clinical Anatomy and Physiology II</td>
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<tr>
<td>VETT 127B Basic Animal Nursing</td>
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<td>VETT 203B Veterinary Clinical/General Pathology</td>
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<td>VETT 208B Lab Animal Science and Exotics</td>
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<td>VETT 209B Parasitology</td>
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<td>VETT 211B Animal Nutrition</td>
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<td>VETT 227B Advanced Animal Nursing</td>
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<td>VETT 230B Principles of Asepsis</td>
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<td>VETT 260B Directed Clinical Practice I</td>
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<td>VETT 225B Pharmacology and Toxicology</td>
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<td>VETT 235B Surgical, Anesthesia and Dental Procedures</td>
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<td>VETT 240B Large Animal Procedures</td>
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<td>VETT 250B Critical Care/ER</td>
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<td>VETT 265B Directed Clinical Practice II</td>
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<tr>
<td><strong>TOTAL CREDITS</strong></td>
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</table>

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).
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)

MATHMATICS (3 credits)
MATH 104B or above (except MATH 115B, 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
ALS 101 or MGT 100B

NATURAL SCIENCE (3 credits)
EGG 131 or ENV 101

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
PSY 101 or SOC 101 or SPAN 101B

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (38 credits)
AIT 205B Industry Customer Service 1
WWT 101B Wastewater Treatment I 3
WWT 102B Wastewater Treatment II 3
WWT 103B Environmental Laws and Regulations 3
WWT 110B Introduction to Hazardous Materials Management 3
WWT 115B Water/Wastewater Mathematics I 3
WWT 120B Pump Operation and Maintenance 3
WWT 201B Wastewater Treatment III 3
WWT 210B Industrial Pretreatment Inspections 3
WWT 215B Water/Wastewater Mathematics II 3
WWT 220B Water Quality Analysis 4
WWT 225B Wastewater Collection Systems 3
WWT 230B Current Issues 3

Choose one from the following (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

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

FIRST SEMESTER
Complete Mathematics (see courses this page) 3
Complete AAS English Composition p. 48 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
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
AIT 205B Industry Customer Service 1
IS 100B or IS 101 0-3
TOTAL CREDITS ..............................................................................................1-4

FOURTH SEMESTER
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
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 (CA)

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
- WWT 102B Wastewater Treatment II
- WWT 115B Water/Wastewater Mathematics I
- WWT 120B Pump Operation and Maintenance
- WWT 201B Wastewater Treatment III
- WWT 215B Water/Wastewater Mathematics II
- WWT 220B Water Quality Analysis
- WWT 225B Wastewater Collection Systems
- WWT 230B Current Issues

Choose one from the following (0-3 credits)
- IS 100B Core Computing Competency
- IS 101 Introduction to Information Systems

Computation included in WWT 115B
Human Relations included in WWT 230B

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.

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

FIRST SEMESTER
- COM 115 Applied Communication 3
- WWT 101B Wastewater Treatment I 3
- WWT 120B Pump Operation and Maintenance 3
- WWT 220B Water Quality Analysis 4
- TOTAL CREDITS: 13

SECOND SEMESTER
- WWT 115B Water/Wastewater Mathematics 3
- WWT 225B Wastewater Collection Systems 3
- WWT 230B Current Issues 3
- WWT 102B Wastewater Treatment II 3
- TOTAL CREDITS: 12

THIRD SEMESTER
- WWT 215B Water/Wastewater Mathematics 3
- WWT 201B Wastewater Treatment III 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.
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)

MATHMATICS (3 credits)
MATH 104B or above (except MATH 115B, 122, 123)

ENGLISH COMPOSITION (3-5 credits)
See AAS policy p. 48 for courses

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

HUMAN RELATIONS (3 credits)
ALS 101 or MGT 100B

NATURAL SCIENCE (3 credits)
EGG 131 or ENV 101

FINE ARTS/HUMANITIES/SOCIAL SCIENCES (3 credits)
PSY 101 or SOC 101 or SPAN 101B

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
Recommended: PSC 101 Introduction to American Politics

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

CORE REQUIREMENTS (38 credits)
AIT 205B Industry Customer Service 1
WWT 103B Environmental Laws and Regulations 3
WWT 105B Water Treatment Operations I 3
WWT 106B Water Treatment Operations II 3
WWT 110B Introduction to Hazardous Materials Management 3
WWT 115B Water/Wastewater Mathematics I 3
WWT 120B Pump Operation and Maintenance 3
WWT 205B Water Distribution 3
WWT 210B Industrial Pretreatment Inspections 3
WWT 215B Water/Wastewater Mathematics II 3
WWT 220B Water Quality Analysis 4
WWT 225B Wastewater Collection Systems 3
WWT 230B Current Issues 3

Choose one from the following (0-3 credits)
IS 100B Core Computing Competency 0
IS 101 Introduction to Information Systems 3

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

FIRST SEMESTER
Complete Mathematics (see courses this page) 3
Complete AAS English Composition p. 48 3-5
WWT 110B Introduction to Hazardous Materials Management 3
WWT 120B Pump Operation and Maintenance 3
WWT 105B Water Treatment Operations I 3

SECOND SEMESTER
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

THIRD SEMESTER
AIT 205B Industry Customer Service 1
IS 100B or IS 101 0-3

FOURTH SEMESTER
ALS 101 or MGT 100B 3
WWT 210B Industrial Pretreatment Inspections 3
WWT 215B Water/Wastewater Mathematics 3
WWT 220B Water Quality Analysis 4
WWT 205 Water Distribution 3

FIFTH SEMESTER
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

DEGREE PLAN TOTAL CREDITS 60-65

1Prerequisite WWT 102B and WWT 115B

NOTE
• Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.
Water/Wastewater Treatment - Water Treatment
CERTIFICATE OF ACHIEVEMENT (CA) REQUIRED CREDITS: 31
DEGREE CODE: WWTWAT-CT

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

FULL-TIME STUDENT DEGREE PLAN

COMMUNICATIONS (3 credits)
Required: COM 115 Applied Communication

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

WATER/WASTEWATER TREATMENT PROGRAM
GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
COM 115 Applied Communication 3
WWT 120B Pump Operation and Maintenance 3
WWT 220B Water Quality Analysis 4
WWT 105B Water Treatment Operations I 3
TOTAL CREDITS ...............................................................................................13

SECOND SEMESTER Credits
WWT 115B Water/Wastewater Mathematics 3
WWT 225B Wastewater Collection Systems 3
WWT 230B Current Issues 3
WWT 106B Water Treatment Operations II 3
TOTAL CREDITS ...............................................................................................12

THIRD SEMESTER Credits
WWT 215B Water/Wastewater Mathematics 3
WWT 205B Water Distribution 3
IS 100B or IS 101 0-3
TOTAL CREDITS ..............................................................................................6-9

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

1 This course offered in the Fall only.
2 This course offered in the Fall only; prereq of WWT 102B and WWT 115B.
3 This course offered in the Spring only; coreq of Math 104B and prereq of WWT 101B or 105B.
4 This course offered in the Spring only; prereq of WWT 215B.
5 This course offered in the Spring only.

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

**Welding Technology – Advanced Level Welder**

**ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)**

**REQUIRED CREDITS: 60**

**DEGREE CODE: WELDADVAAS**

**DESCRIPTION**

The Associate of Applied Science – AWS Advanced Level Welder Emphasis provides students with the skills and knowledge necessary for successful employment as advanced level welders in welding and related metal working industries.

A continuation of the COA requirements, students will receive additional instruction in advanced SMAW and GTAW, pipe welding, welding codes and fabrication. Upon completion of the AAS degree requirements, students may certify as AWS Advanced Level Welders.

**STUDENT LEARNING OUTCOMES**

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut, prepare and fabricate parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

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

**GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**

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<th>Mathematics (3 credits)</th>
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<td>English Composition (3-5 credits)</td>
<td>Recommended: ENG 101 Composition I</td>
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<tr>
<td>Communications (3 credits)</td>
<td>Recommended: COM 115 Applied Communication</td>
</tr>
<tr>
<td>Human Relations (3 credits)</td>
<td>Recommended: ALS 101 College Success</td>
</tr>
<tr>
<td>Natural Science (4 credits)</td>
<td>Required: MT 102B Fundamentals of Electricity</td>
</tr>
<tr>
<td>Fine Arts/Humanities/Social Sciences (3 credits)</td>
<td>Recommended: ART 107 Design Fundamentals (2-D)</td>
</tr>
<tr>
<td>U.S. and Nevada Constitutions (4-6 credits)</td>
<td>Recommended: PSC 101 Introduction to American Politics</td>
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**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

<table>
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<tr>
<th>Course Code</th>
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<tr>
<td>IS 101</td>
<td>Introduction to Information Systems</td>
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<tr>
<td>WELD 115B</td>
<td>Welding Inspection and Testing Principles</td>
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<tr>
<td>WELD 131B</td>
<td>Blueprint Reading, Layout, and Sketching</td>
</tr>
<tr>
<td>WELD 132B</td>
<td>Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations</td>
</tr>
<tr>
<td>WELD 133B</td>
<td>SMAW (Stick)</td>
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<td>WELD 134B</td>
<td>GTAW (Tig)</td>
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<td>WELD 135B</td>
<td>GMAW ( Mig)</td>
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<td>WELD 137B</td>
<td>FCAW (Flux Core)</td>
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<td>WELD 154B</td>
<td>D1.1 Structural Welding Code</td>
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<tr>
<td>WELD 214B</td>
<td>Fabrication Layout</td>
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<tr>
<td>WELD 218B</td>
<td>Pipe Welding Procedures</td>
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<tr>
<td>WELD 240B</td>
<td>Advanced GTAW</td>
</tr>
</tbody>
</table>

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:** 60

**DEGREE CODE:** WELDADVAAS

**FULL-TIME STUDENT DEGREE PLAN**

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

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
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<tbody>
<tr>
<td><strong>FIRST SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>Complete Mathematics (see courses previous page - Recommended: MATH 104B)</td>
<td>3</td>
</tr>
<tr>
<td>ALS 101 College Success</td>
<td>3</td>
</tr>
<tr>
<td>WELD 115B Welding Inspection and Testing Principles</td>
<td>3</td>
</tr>
<tr>
<td>WELD 135B GMAW (Mig)</td>
<td>2</td>
</tr>
<tr>
<td>WELD 137B FCAW (Flux Core)</td>
<td>2</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>13</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SECOND SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>Complete English Composition (see courses previous page - Recommended: ENG 101)</td>
<td>3-5</td>
</tr>
<tr>
<td>MT 102B Fundamentals of Electricity</td>
<td>4</td>
</tr>
<tr>
<td>WELD 131B Blueprint Reading, Layout, and Sketching</td>
<td>3</td>
</tr>
<tr>
<td>WELD 132B Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations</td>
<td>2</td>
</tr>
<tr>
<td>WELD 133B SMAW (Stick)</td>
<td>4</td>
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<td><strong>TOTAL CREDITS</strong></td>
<td>16-18</td>
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</table>

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<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>THIRD SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>COM 115 Applied Communication</td>
<td>3</td>
</tr>
<tr>
<td>ART 107 Design Fundamentals I (2-D)</td>
<td>3</td>
</tr>
<tr>
<td>IS 101 Introduction to Information Systems</td>
<td>3</td>
</tr>
<tr>
<td>WELD 134B GTAW (Tig)</td>
<td>4</td>
</tr>
<tr>
<td>WELD 154B DI.1 Structural Welding Code</td>
<td>3</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>16</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FOURTH SEMESTER</strong></td>
<td></td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>WELD 214B Fabrication Layout</td>
<td>3</td>
</tr>
<tr>
<td>WELD 218B Pipe Welding Procedures</td>
<td>4</td>
</tr>
<tr>
<td>WELD 240B Advanced GTAW</td>
<td>4</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td>15</td>
</tr>
</tbody>
</table>

**DEGREE PLAN TOTAL CREDITS** 60-62
Welding Technology – Entry Level Welder
CERTIFICATE OF ACHIEVEMENT (CA)

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.

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

FIRST SEMESTER
ALS 101 College Success 3
MT 102 Fundamentals of Electricity 4
TOTAL CREDITS ................................................................. 7

SECOND SEMESTER
Complete Mathematics (see courses this page - Recommended MATH 104B)
WELD 131B Blueprint Reading, Layout and Sketching 3
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations 2
TOTAL CREDITS ................................................................. 8

THIRD SEMESTER
Complete Communications (see courses this page - Recommended: COM 115)
WELD 133B SMAW (Stick) 4
WELD 135B GMAW (Mig) 2
TOTAL CREDITS ................................................................. 9-11

FOURTH SEMESTER
IS 100B or IS 101 0-3
WELD 134B GTAW (Tig) 4
WELD 137B FCAW (Flux Core) 2
TOTAL CREDITS ................................................................. 6-9

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

NOTE • Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
• Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements.
• In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
• Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of 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. 47 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. 48 for courses

FINE ARTS (3 credits)
See AA/AB/AS policy p. 48 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

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

#### FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 120 Fundamentals of College Mathematics</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (no lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Fine Arts p. 48</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15-17

#### SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AS/AB Natural Science¹ (with lab) p. 48</td>
<td>3-4</td>
</tr>
<tr>
<td>PSC 101 Introduction to American Politics</td>
<td>4</td>
</tr>
<tr>
<td>WMST 101 Introduction to Women's Studies²</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 16-17

#### THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 231 or 232²</td>
<td>3</td>
</tr>
<tr>
<td>COM 101 Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>WMST 113 Gender, Race and Class²</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives³ (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

**TOTAL CREDITS:** 15

#### FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Humanities⁴ (see courses previous page)</td>
<td>3</td>
</tr>
<tr>
<td>WMST 295 Special Topics</td>
<td>2-3</td>
</tr>
<tr>
<td>Complete Electives³ (see courses this page)</td>
<td>6</td>
</tr>
<tr>
<td>Complete Social Science (see courses previous page)</td>
<td>3</td>
</tr>
</tbody>
</table>

**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”
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.

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Mathematics p. 47</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
</tr>
<tr>
<td>World Languages 111 or above</td>
<td>4</td>
</tr>
<tr>
<td>Complete Humanities (see courses this page)</td>
<td>3</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 16-18

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 102 or 114</td>
<td>3</td>
</tr>
<tr>
<td>PHIL 102 Reasoning and Critical Thinking</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Natural Science (No Lab) p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
</tr>
<tr>
<td>World Languages 111 or above</td>
<td>4</td>
</tr>
</tbody>
</table>

TOTAL CREDITS: 16

THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Social Science p. 48</td>
<td>3</td>
</tr>
<tr>
<td>Complete AA/AB/AS US/Nevada Constitutions p. 48</td>
<td>4-6</td>
</tr>
<tr>
<td>World Languages 111 or above</td>
<td>3</td>
</tr>
<tr>
<td>Complete Humanities (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts (see courses this page)</td>
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TOTAL CREDITS: 16-18

FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete AA/AB/AS Literature p. 47</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (With Lab) p. 48</td>
<td>4</td>
</tr>
<tr>
<td>World Languages 111 or above</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts (see courses this page)</td>
<td>3</td>
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</tbody>
</table>

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 or 111 in the 3rd semester and HIST 102 or 217 in the 4th semester.

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

REQUIRED CREDITS: 60

DEGREE CODE: AA

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.

FULL-TIME STUDENT DEGREE PLAN

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

FIRST SEMESTER Credits
Complete Mathematics (see courses this page) 3
ENG 100 or 101 or 113 3-5
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. 47 3
Complete AA/AB/AS Natural Science (No Lab) p. 48 3
Complete AA/AB/AS US/Nevada Constitutions1 p. 48 4-6
Complete Social Science Electives (see courses this page) 3
TOTAL CREDITS...........................................................................................................16-18

THIRD SEMESTER Credits
Complete AA/AB/AS Literature p. 47 3
Complete AA/AB/AS Natural Science2 (With Lab) p. 48 3-4
Complete Electives (see a counselor to select courses) 9
TOTAL CREDITS...........................................................................................................15-16

FOURTH SEMESTER Credits
Complete Humanities3 (see courses this page) 3
Complete AA/AB/AS Fine Arts p. 48 3
Complete Electives (see a counselor to select courses) 8
TOTAL CREDITS...........................................................................................................14

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

1 PSC 101 completes this requirement at 4 credits. If you choose the HIST option, complete HIST 101 or 111 in the 2nd semester and 102 or 217 in the 4th semester.
2 Only BIOL 122 Desert Plants will satisfy this requirement at 3 credits and is only offered in the spring semester.
3 Under the “Humanities” heading on the General Education Requirements side, select from the choices that follow the sentence fragment “COM 101 and…”

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

MATHMATICS (3 credits)
MATH 104B or above

COMMUNICATIONS (6-8 credits)
ENG 100 or 101 or 113; and one course from the following: BUS 107, 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105

HUMANITIES (3 credits)
AM; COM; ENG 223 or above; HIST; World Languages; PHIL; RST

FINE ARTS (3 credits)
ART; DAN 101; MUS; THTR

NATURAL SCIENCE (3 credits)
AST; BIOL; CHEM; EGG 131, 132; ENV; GEOG 103, 104, 116, 117; GEOL; PHYS

SOCIAL SCIENCE (3 credits)
ANTH; CRJ 104; ECON; GEOG 106; PSC; PSY; SOC; WMST 113

U.S. AND NEVADA CONSTITUTIONS (4-6 credits)
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217

VALUES AND DIVERSITY
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See p. 48 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

ELECTIVES (choose 35 credits)
See an advisor/success coach to select courses.

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

FIRST SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Mathematics (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>ENG 100 or 101 or 113</td>
<td>3-5</td>
</tr>
<tr>
<td>Complete Electives¹ (see courses this page)</td>
<td>9</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
</tbody>
</table>

SECOND SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Communications² (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Fine Arts (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives¹ (see courses this page)</td>
<td>9</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15</strong></td>
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</table>

THIRD SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Complete Humanities (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Social Science (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Natural Science (see courses this page)</td>
<td>3</td>
</tr>
<tr>
<td>Complete Electives¹ (see courses this page)</td>
<td>6</td>
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FOURTH SEMESTER

<table>
<thead>
<tr>
<th>Course Description</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>Complete U.S./Nevada Constitutions³ (see courses this page)</td>
<td>4-6</td>
</tr>
<tr>
<td>Complete Electives¹ (see courses this page)</td>
<td>11</td>
</tr>
<tr>
<td><strong>TOTAL CREDITS</strong></td>
<td><strong>15-17</strong></td>
</tr>
</tbody>
</table>

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