# Academic Program Guide

Fall 2024 – Summer 2025

Western Nevada College

# Start Here

Take time to prepare for your educational journey and it will be a rewarding one.

## wnc.edu/starthere

Attending WNC for a career upgrade or workforce development?

Taking a few credit classes for personal interest?

**There is a special checklist just for you!**
Visit **wnc.edu/starthere**

### Apply for Admission
**wnc.edu/starthere**

### Placement
English and Math placement at WNC is determined by a combination of high school transcripts, ACT/SAT scores, AP scores, Accuplacer testing and/or the Guided Self Placement tool. Students will meet with an academic advisor to ensure proper placement into English and Math courses based on review of placement options and goals.
**Carson City 775-445-3267 | Fallon 775-445-3379**

### Attend an Orientation
New student orientation helps you make a successful transition to college. Learn about academic expectations and campus resources.

### Meet with an Advisor
Before registering for classes, meet with an advisor for academic advisement. Our advisors can help you plan a schedule that works for you and your goals.
**Carson City 775-445-3267 | Fallon 775-445-3379**

### Apply for Financial Aid & Scholarships
There are more financial aid and scholarship opportunities than ever before to help make college affordable. Grants, loans and on-campus student work are available.
**wnc.edu/aid | 775-445-3264**

### Register for Classes
Class enrollment is done through myWNC at **my.wnc.edu**.

### Enroll in a College Success Class
Strategies for Academic Success (EPY 150) is a college-level, transferable course that offers tips for productive studying, test-taking and other college learning tools.

### Pay Fees
Pay attention to payment deadlines or enroll in a payment plan to avoid being dropped from classes.

# Find What You Need

Inside, you will find course requirements for degrees and certificates. You will also find program information for more than 15 career pathways, in which you can earn a certificate in as little as eight weeks, or achieve a degree in two years.

For a full list of programs, please visit our online catalog at wnc.edu/catalog

# Classes that *fit your lifestyle*

**Flexible learning options • Self-paced • Late Start • 16 to 8 weeks or less**

At Western Nevada College, we offer flexible learning courses that help accommodate your specific needs and provide an out-of-the-box learning experience.  Flexible learning courses vary in structure, with options like completely self-paced, guided self-paced, and instructor directed pacing.

**Education focused on your needs.**

Flexible learning courses allow you to tailor your educational experience to your learning style and your life. Ideal for balancing the demands of work, family and personal commitments, flexible learning options give you the power to manage your time effectively to meet your goals.

> *Self-paced learning gave me the availability to focus on my outside responsibilities while still being able to get my education without added stress.*  –Brandi Ferguson, Student

Scan the code to visit
**wnc.edu/flexible-learning**
and learn more today.

**Western Nevada College**

# Student Learning Outcomes

Student learning is the core of WNC's mission, and the college celebrates this importance with institution-wide student learning outcomes (SLO). The WNC Student Learning Outcomes (SLOs) guide all courses, programs and degrees offered by WNC. SLOs one through six provide the structure for general education and alignment for academic program outcomes; SLO seven provides a connection for career preparation emphases.

General education provides a broad educational foundation that is essential to meeting educational, social, personal and career goals. WNC's general education curriculum consists of rigorous, interrelated academic experiences that introduce students to diverse ways of thinking and understanding their world. Through a range of connected learning experiences, general education introduces students to a breadth of knowledge that complements and prepares students for the depth provided in a completed degree program.

*Upon completing a degree at WNC, students must demonstrate:*

1. **WORKING KNOWLEDGE** – Identify, describe and apply information, theories, methodologies and approaches from the sciences, social sciences and humanities/arts.

2. **WRITTEN COMMUNICATION** – Write effective projects, papers and reports.

3. **QUANTITATIVE LITERACY** – Present accurate calculations and symbolic operations, and explain how such calculations and operations are used in either the specific field of study or in interpreting information in other fields.

4. **INFORMATION LITERACY** – Locate, evaluate and appropriately use information from multiple resources to complete projects, activities and papers.

5. **DIVERSITY AND SOCIETY** – Describe diverse historical and/or contemporary positions on selected democratic values or practices.

6. **CRITICAL THINKING** – Integrate knowledge and skills from the study of sciences, mathematics, social sciences and the humanities/arts to think critically about and develop solutions to contemporary and/or enduring problems.

7. **CAREER PREPARATION** – Identify, describe and apply information in the discipline or career area of their choice sufficient for further study and/or demonstrate competencies required to succeed in the workplace.



## VISION

WNC is an integral and innovative educational partner fostering equity and a life of learning in an inclusive environment for the evolving, diverse communities we serve.

## VALUES

WNC is student centered, inquiry driven and data informed as we nurture community connections and promote an environment of equity and inclusion.

## MISSION

WNC contributes to solutions for the 21st century by providing effective educational pathways for the students and communities of Nevada.

# Associate of General Studies

**This degree provides academic exploration for those seeking personal growth or professional advancement. Military credits can qualify for up to 45 units toward this degree.**

The Associate of General Studies is intended as an exploratory and terminal degree, not to be used as a transfer degree; however, credits earned under the degree may transfer to 4-year institutions. It is recommended that anyone planning to apply these credits for transfer consult their intended transfer institution for appropriate curriculum planning.

A maximum of six units of special topics classes in one subject area may apply toward any WNC degree. In some cases, courses may not transfer to other Nevada community colleges and Nevada State University or other colleges and universities. See a WNC counselor for the latest transfer information. Courses with a number under 100 (such as ENG 95) are not applicable toward an Associate of General Studies degree.

**MISSION:** The purpose of the Associate of General Studies degree is to provide academic knowledge and skills for personal growth, and/or professional advancement.

**STUDENT LEARNING OUTCOMES:** The successful student will:

- Meet the general education student learning outcomes.

- Succeed at the professional, academic and personal goals the AGS degree serves.

- Demonstrate knowledge of the subject matter appropriate to their fields of study.



## PROGRAM REQUIREMENTS

**GENERAL ELECTIVES**          **36 or 39 UNITS**

Students may choose from any occupational or general education courses to be used as electives for this degree. Some non-traditional credit approved by Admissions and Records may be applicable to satisfy course requirements for occupational degrees, while other such units may be used as electives for the AGS and AAS degrees only. Students planning to transfer to the University of Nevada, Reno should use the UNR core curriculum guide to satisfy general education requirements.

**ANY 200 LEVEL COURSES FROM ANY AREA**        **6 UNITS**

200 level courses used for this requirement may also be used to fulfill general education or general elective requirements.

## GENERAL EDUCATION REQUIREMENTS

### A MINIMUM OF 60 TOTAL UNITS CHOSEN FROM THE FOLLOWING:

**ENGLISH/COMMUNICATIONS**
**6 UNITS**
*Must include a three-credit writing course.*
Business: 107, 108
Communication: 101, 102, 113, 215
Criminal Justice: 103
English
Journalism: 201
Reading
Writing Course (Business 108, English 100, 101, 102, 107 or any other 200 level English class)

**FINE ARTS AND HUMANITIES**
**3 UNITS**
American Sign Language
Art
Core Humanities: 201, 202, 212
Crafts
English: 190, 200, 223, 243, 250, 252, 261, 267, 271, 282, 297
Foreign Languages
Graphic Design
History: 105, 106, 203, 207, 208, 209, 247
Humanities: 101
Music
Philosophy (except for PHIL 102, 114)
Theatre: 100, 105, 180

**MATHEMATICS**
**3 UNITS**
Business: 115
Economics: 261, 262
Mathematics
Psychology: 210
Statistics: 152

**SCIENCE**
**3 UNITS**
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology (except for BIOL 208, 223, 224, 251)
Chemistry (except for CHEM 220, 241, 241L, 242, 242L)
Emergency Medical Services: 205
Environmental Studies
Geography: 103, 104, 116, 121
Geology: 102 (except for GEOL 111, 112, 113, 299)
Nutrition: 121
Physics (except for PHYS 293)

**SOCIAL SCIENCES**
**3 UNITS**
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217, 295
Journalism: 103
Political Science
Psychology (except for PSY 210)
Sociology (except for SOC 210)

**U.S. & NEVADA CONSTITUTION**
**3-6 UNITS**
Must meet both requirements.
Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following:
   HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

# Associate Degrees for University Transfer
## ASSOCIATE OF ARTS • ASSOCIATE OF BUSINESS • ASSOCIATE OF SCIENCE

WNC students may follow a transfer pathway to complete both an associate and a subsequent bachelor's degree. WNC has transfer agreements with the University of Nevada, Reno and partnerships with other 4-year institutions to make completing a degree at WNC and transferring later as smooth as possible. WNC advisors can assist students to select courses that will transfer to fulfill program requirements at the student's intended transfer school.

WNC offers three transfer degrees: Associate of Arts, Associate of Business and Associate of Science. Students may select the appropriate transfer degree depending on the area of intended study for the bachelor's degree. See pages 8-13 for further details on each of these pathways and degree requirements.
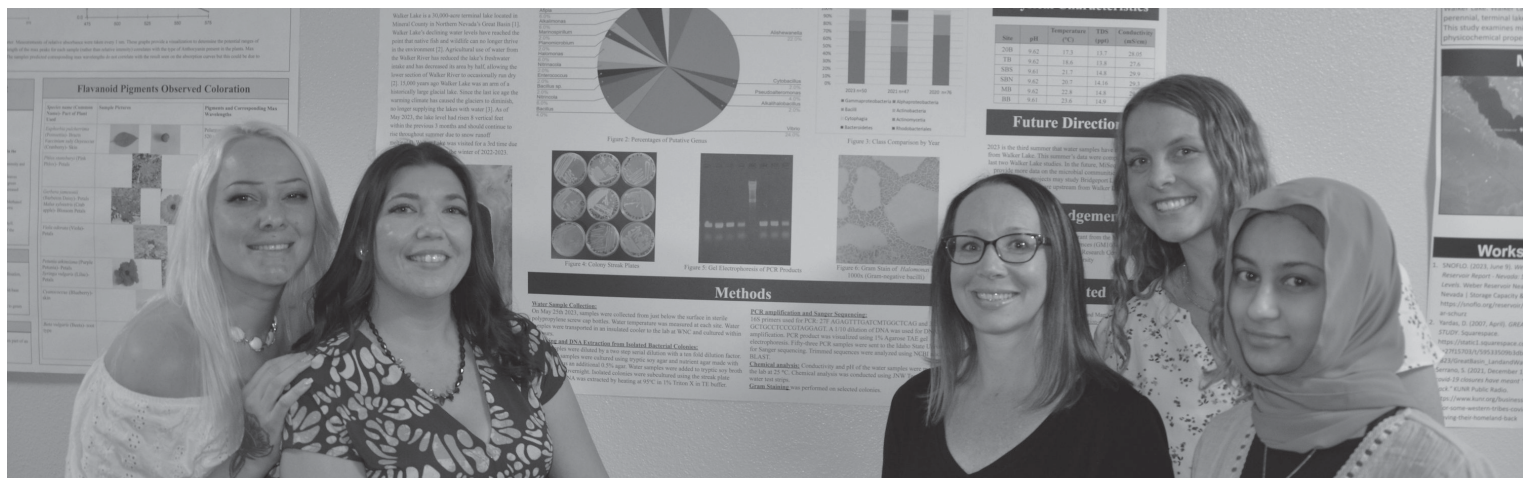


# Silver State Transfer Program
## CO-ADMISSION TO THE UNIVERSITY OF NEVADA, RENO

Students who intend to transfer to UNR after completing their associate degree at WNC may consider co-admission at UNR. By participating, they have the opportunity to work one-on-one with advising specialists as they transition to the University of Nevada, Reno. The purpose of the program is to support community college students as they prepare to transfer, ensuring a smooth transition to the baccalaureate degree. Students who are in the program may take courses from both the community college and the university at the same time that they are pursuing their transferable associate degree. The community college remains the home campus for co-admitted students.

**To learn more: unr.edu/admissions/transfer/pathways/silver-state-transfer-program**

**NOTE: All courses to be counted toward AA, AB or AS degrees must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward the associate degree.**

**Courses that are not transferable are indicated with a nontransferable course attribute in the myWNC course catalog. A maximum of six units of special topics classes in one subject area may apply toward any WNC degree.** *See an advisor for the most current information about transferring to another institution.*

# High School Opportunities
## COMPLETE CORE COLLEGE COURSES WHILE IN HIGH SCHOOL

### JUMP START
The Jump Start program is a dual-enrollment opportunity for students attending Nevada high schools, offering real college courses on a real college schedule. Students enroll in college courses through Western Nevada College while simultaneously earning high school credits. High school students can earn up to a transferable Associate of Arts college degree and their high school diploma at the same time. All credits transfer to institutions in the Nevada System of Higher Education (NSHE). Jump Start graduates have successfully transferred their credits and are completing bachelor degrees at Brigham Young University, Stanford, Cal Poly and other out-of-state institutions. Learn more at **wnc.edu/jump**

### DUAL ENROLLMENT
Dual enrollment allows high school students to take college classes to earn credit toward both college certificates/degrees and graduation requirements. Students should check with their high school counselor to see what courses can be taken through their school. Students can also sign up for classes independently. Learn more at **wnc.edu/advising/high-school-programs/concurrent-enrollment**

# Associate of Arts TRANSFER DEGREE

**This degree is for students planning to transfer with junior standing to a four-year university or college to prepare for a professional career in art, communication, education, history, psychology, social sciences, social work or a related field.**

The Associate of Arts degree is for students planning to transfer with junior standing to a four-year college or university for a bachelor's degree.

**MISSION:** The mission of the Associate of Arts degree program is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

**STUDENT LEARNING OUTCOMES:** The successful student will:

- Meet the institutional student learning outcomes (1-6).
- Identify, describe and apply information, theories, methodologies and approaches from social sciences, humanities or arts.
- Produce effective projects, papers and reports.
- Integrate knowledge and skills from the study of social sciences, humanities or arts to think critically about and develop solutions to contemporary or enduring problems.
- Be prepared to succeed at a transfer institution.

## YEAR ONE
## SUGGESTED COURSE SEQUENCE

| FIRST SEMESTER | Completed | SECOND SEMESTER | Completed |
|---|---|---|---|
| ENG 100 or 101 | 3 ☐ | ENG 102 | 3 ☐ |
| Social Science | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| Educational Psychology 150 | 3 ☐ | Fine Arts Course | 3 ☐ |
| STAT 152, MATH 120 | 3 ☐ | Humanities Requirement | 3 ☐ |
| Science Requirement | 3 ☐ | Science Requirement | 3 ☐ |

**THIRD & FOURTH SEMESTER**
Take courses that meet requirements for the major at intended transfer school.

## PROGRAM REQUIREMENTS

### 28-33 UNITS

**LIBERAL ARTS**      **6 UNITS**
*Choose any transferable course numbered 200 or higher.*
*AM 141, 147, and 148 are also accepted.*

**TRANSFER REQUIREMENTS OR GENERAL ELECTIVES**      **22–27 UNITS**
Choose any transferable course. Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Academic Advising & Access or the UNR Transfer Center.

Courses designated as non-transferable to Nevada System of Higher Education Universities and courses numbered below 100 (such as ENG 98) are not applicable toward an Associate of Arts degree.

## GENERAL EDUCATION REQUIREMENTS

### 27-32 UNITS

**ENGLISH/COMMUNICATIONS**
**6–8 UNITS**
English: 100 or 101, 102

**FINE ARTS**
**3 UNITS**
Art: 100, 101*, 124, 135, 141, 175, 160, 211, 214, 231, 260, 261
English: 261
History: 203
Humanities: 101
Music: 121, 124, 125, 176
Music: Ensemble: 101*, 131, 135
Theatre: 100, 105*, 180
*\* Course may not meet the fine arts requirement at all universities. Please see an advisor.*

**HUMANITIES**
**3 UNITS**
Core Humanities: 201, 202, 212
English: 200, 223
History: 105, 106, 208, 209, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245

*UNR transfer students, choose at least one of the following courses:*
Core Humanities: 201, 202
History: 105, 106
Philosophy: 200, 207, 245

**MATHEMATICS**
**3 UNITS**
Mathematics: 120, 124, 126, 127, 128, 176, 181, 182
Statistics: 152

**SCIENCE**
**6 UNITS**
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 100, 113, 135, 190, 191, 200
Chemistry: 100, 121, 122
Environmental Studies: 100, 101
Geography: 103, 104, 116, 121
Geology: 100, 101, 102, 105, 201
Nutrition: 121
Physics: 100, 151, 152, 180 & 180L

*Note: Completion of CHEM 121 or BIOL 190, BIOL 223 and BIOL 224, and BIOL 251 fulfills the science general education requirement.*

**SOCIAL SCIENCES**
**3 UNITS**
Choose from the following list:
Anthropology: 101, 201, 202, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 104
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217
Journalism: 103
Political Science: 101, 103, 208, 231
Psychology: 101, 102, 233, 234, 240, 257, 261
Sociology: 101

**U.S. & NEVADA CONSTITUTION**
**3-6 UNITS**
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following:
  HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

# Associate of Arts
## WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

Agricultural Science & Economics

Anthropology

Art

Art History

Communication Studies

Criminal Justice

Dance

Education
Early Childhood
Elementary
Secondary

English

French

Geography

Graphic Design

History

Human Development & Family Studies

Journalism

Music

Nursing

Philosophy

Political Science

Psychology

Public Health

Social Work

Sociology

Spanish

Speech Pathology

Theatre

## TRANSFER PATHWAY EXAMPLES

### GRAPHIC DESIGN MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate of Arts degree requirements with a concentration in graphic design, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in graphic design.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 120 or higher | 3 units |
| Humanities course | 3 units |
| Science courses | 6 units |
| Social Science course | 3 units |
| US and Nevada constitutions course | 3 units |
| ART 100, 101, 124, 141, 211, or 214 | 3 units |
| ART 260 and 261 | 6 units |
| GRC 116, 200, 210, and 220 | 12 units |
| Electives/university graphic design program requirements | 15 units |

### HUMAN DEVELOPMENT & FAMILY STUDIES MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate of Arts degree requirements with a concentration in human development & family studies, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in human development & family studies.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| Math 120 | 3 units |
| Fine Arts course | 3 units |
| Science course | 3 units |
| Humanities course | 3 units |
| US and Nevada constitutions course | 3 units |
| HDFS 201, 202 and 232 | 9 units |
| PSY 101 | 3 units |
| NUTR 121 | 3 units |
| COM 101 | 3 units |
| SOC 101 | 3 units |
| CPD 116 | 3 units |
| Electives/university human development & family studies program requirements | 15 units |

### SOCIAL WORK MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate of Arts degree requirements with a concentration in social work, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in social work.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 120 | 3 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Science courses | 6 units |
| Social Science course | 3 units |
| US and Nevada constitutions course | 3 units |
| PSY 101 and 241 | 6 units |
| HDFS 201 | 3 units |
| SOC 101 | 3 units |
| SW 101 and 250 | 6 units |
| Electives/university social work program requirements | 18 units |

### CRIMINAL JUSTICE MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate of Arts degree requirements with a concentration in criminal justice, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in criminal justice.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 120 or higher | 3 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Science courses | 6 units |
| US and Nevada constitutions course | 3 units |
| Foreign Language – 4 semesters | 14 units |
| CRJ 104, 106, 211, 222 and 234 | 15 units |
| STAT 152 | 3 units |
| Electives/university social work program requirements | 4 units |

### EDUCATION MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate of Arts degree requirements with a concentration in education, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in education.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| Mathematics course | 3 units |
| Humanities course | 3 units |
| Fine Arts course | 3 units |
| US and Nevada constitutions course | 3 units |
| Science | 6-12 units |
| *Early Childhood Education:* | |
| ECE 200, 204, 231, 250, and 251 and EDU 207 | 18 units |
| HDFS 201, 202 and 232 | 9 units |
| *Elementary Education:* | |
| EDU 201, 203, 210 | 9 units |
| MATH 122 and 123 | 6 units |
| *Secondary Education:* | |
| EDU 202 | 3 units |
| Electives/university education program requirements | 9-27 units |

# Associate of Business TRANSFER DEGREE

**This degree is for students planning to transfer with junior standing to a four-year university or college to prepare for a professional career in business, management, accounting, marketing or a related field.**

The Associate of Business degree is designed for students who intend to transfer with junior status to a four-year college or university for a bachelor degree in a business-related field.

**MISSION:** The purpose of the Associate of Business degree is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Business degree at WNC are expected to demonstrate that they...

• Articulate and demonstrate their personal employment-related knowledge, skills and abilities.

• Evaluate the impact of various economic systems and policies.

• Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making.

• Devise, implement and evaluate managerial decisions, actions and outcomes.

• Apply technology to aid in communications and decision-making.

• Present research, data, analysis and conclusions through written and oral means.

• Describe the changing landscape of the global market and its impact on the United States.

• Summarize the impact of social, ethical, legal and diversity issues within contemporary business.

• Develop business, financial and marketing plans for established and emerging businesses.

## SUGGESTED COURSE SEQUENCE

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| ENG 101 | 3 ☐ | ACC 201 | 3 ☐ |
| ECON 102 | 3 ☐ | ECON 261 | 3 ☐ |
| MATH 176 | 3 ☐ | General Elective | 3 ☐ |
| Fine Arts Requirement | 3 ☐ | Humanities Course | 3 ☐ |
| General Elective | 3 ☐ | Science Course | 3 ☐ |
| | | | |
| SECOND SEMESTER | Completed | FOURTH SEMESTER | Completed |
| ENG 102 | 3 ☐ | ACC 202 | 3 ☐ |
| ECON 103 | 3 ☐ | ECON 262 | 3 ☐ |
| IS 101 | 3 ☐ | General Elective | 6 ☐ |
| Science Course | 3 ☐ | MKT 210 | 3 ☐ |
| U.S./Nev. Constitution | 3 ☐ | | |



Courses designated as non-transferable to Nevada System of Higher Education Universities and courses numbered below 100 (such as ENG 98) are not applicable toward an Associate of Business degree.

## PROGRAM REQUIREMENTS

### 27 UNITS

Accounting: 201, 202
Economics: 102, 103, 261, 262
Information Systems: 101
Marketing: 210
Mathematics: 176
*NOTE: If a student does not meet the prerequisite for MATH 176, MATH 126 may be used as a degree elective and should be taken in the first semester.*

**TRANSFER REQUIREMENT OR GENERAL ELECTIVES - 10-12 UNITS**
Choose any transferable course. Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Academic Advising & Access or the UNR Transfer Center.
Recommended: BUS 101
For UNR transfer, COM 101 or 113 and 2 courses from Anthropology 101, Political Science 231, Psychology 101, Sociology 101 are recommended.

## GENERAL EDUCATION REQUIREMENTS

### A MINIMUM OF 21 UNITS

**ENGLISH/COMMUNICATIONS**
**6-8 UNITS**
English: 100 or 101, 102

**FINE ARTS**
**3 UNITS**
Art: 100, 101*, 124, 135, 141, 160, 211, 214, 231, 260, 261
English: 261
History: 203
Humanities: 101
Music: 121, 124, 125, 176
Music: Ensemble: 101*, 131, 135
Theatre: 100, 105*, 180
*\*Course may not meet the fine arts requirement at all universities. Please see an advisor.*

**HUMANITIES**
**3 UNITS**
Core Humanities: 201, 202, 212
English: 200, 223
History: 105, 106, 208, 209, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245

***UNR transfer students, choose at least one of the following courses:***
Core Humanities: 201, 202
History: 105, 106
Philosophy: 200, 207, 245

**MATHEMATICS**
See Program Requirements

**SCIENCE**
**6 UNITS**
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 100, 113, 135, 190, 191, 200
Chemistry: 100, 121, 122
Environmental Studies: 100, 101
Geography: 103, 104, 116, 121
Geology: 100, 101, 102, 105, 201
Nutrition: 121
Physics: 100, 151, 152, 180 & 180L

*Note: Completion of CHEM 121 or BIOL 190, BIOL 223 and BIOL 224, and BIOL 251 fulfills the science general education requirement.*

**SOCIAL SCIENCES**
See Program Requirements

**U.S. & NEVADA CONSTITUTION**
**3-6 UNITS**
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following: HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

## EARN THIS DEGREE ONLINE

# Associate of Business
## WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

**Accounting**

**Economics**

**Finance**

**Information Systems**

**International Affairs**

**International Business**

**Management**

**Marketing**

## TRANSFER PATHWAY EXAMPLES

### BUSINESS MANAGEMENT MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate in Business degree requirements with a concentration in business management, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in business management.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 126 and 176 | 6 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Science courses | 6 units |
| US and Nevada constitutions course | 3 units |
| ACC 201 and 202 | 6 units |
| BUS 101 | 3 units |
| ECON 102, 103, 261 and 262 | 12 units |
| IS 101 | 3 units |
| MKT 210 | 3 units |
| Electives/ university business management program requirements | 6 units |

### MARKETING MAJOR PATHWAY

This transfer pathway is designed to meet WNC Associate in Business degree requirements with a concentration in marketing, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in marketing.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 126 and 176 | 6 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Science courses | 6 units |
| US and Nevada constitutions course | 3 units |
| ACC 201 and 202 | 6 units |
| BUS 101 | 3 units |
| ECON 102, 103, 261 and 262 | 12 units |
| IS 101 | 3 units |
| MKT 210 | 3 units |
| Electives/university business management program requirements | 6 units |

**Don't see a pathway for your intended transfer program?**
**WNC advisors can work with you to create one!**

# Associate of Science TRANSFER DEGREE

**This degree is for students planning to transfer with junior standing to a four-year university or college to prepare for a professional career in mathematics, science, engineering, technology, medicine, agriculture or a related field.**

The Associate of Science degree is designed for students who intend to transfer with junior status to a four-year college or university for a Bachelor of Science degree.

**MISSION**: The mission of the Associate of Science Degree Program is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

**STUDENT LEARNING OUTCOMES:** The successful student will:

- Meet the institutional student learning outcomes (1-6).

- Demonstrate the ability to identify the fundamental tenets of scientific inquiry.

- Present accurate calculations and symbolic operations, and explain how such calculations and operations are used in the sciences, mathematics or engineering.

- Use critical thinking and creativity to select and apply recognized experimental or observational techniques suitable for examining contemporary or enduring problems in the sciences.

- Be prepared to succeed at a transfer institution.

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### YEAR ONE
### SUGGESTED COURSE SEQUENCE

| FIRST SEMESTER | *Completed* | SECOND SEMESTER | *Completed* |
|---|---|---|---|
| ENG 100 or 101 | 3 ☐ | ENG 102 | 3 ☐ |
| HIST 101 | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| EPY 150 | 3 ☐ | MATH 182 or STAT 152 | 3-4 ☐ |
| MATH 181 | 4 ☐ | Science (Group A) | 4-6 ☐ |
| Fine Arts Requirements | 3 ☐ | | |

**THIRD & FOURTH SEMESTER**
Take courses that meet requirements for the major at intended transfer school.

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Courses designated as non-transferable to Nevada System of Higher Education Universities and courses numbered below 100 (such as ENG 98) are not applicable toward an Associate of Science degree.



## PROGRAM REQUIREMENTS

### A MINIMUM OF 18 UNITS CHOSEN FROM THE FOLLOWING:

**SCIENCE**
**12 UNITS**
Choose a minimum of 8 units from Group A.

**GROUP A:**
Anthropology: 102 & 110L
Biology: 190, 191, 251
Chemistry: 121, 122
Geology: 101, 102
Geography: 103 & 104, or 121
Physics: 151, 152, 180 & 180L, 181 & 181L, 182 & 182L

**MATHEMATICS**
**6 UNITS**
Mathematics: 126, 127, 128, 176, 181, 182, 283, 285, 330
Statistics: 152

**GROUP B:**
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 200, 223, 224
Chemistry: 220
Computer Engineering: 201
Computer Science: 135, 202
Engineering Science: 100
Environmental Studies: 100, 101
Geography: 116
Geology: 105, 201
Mechanical Engineering: 241, 242

*Note: Completion of the Associate of Science program requirements fulfills the respective mathematics and science general education requirements.*

**TRANSFER REQUIREMENT AND ELECTIVES - 19-24 UNITS**
Choose any transferable course. Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Academic Advising & Access or the UNR Transfer Center.

## GENERAL EDUCATION REQUIREMENTS

### A MINIMUM OF 18-23 UNITS CHOSEN FROM THE FOLLOWING:

**ENGLISH/COMMUNICATIONS**
**6-8 UNITS**
English: 100 or 101, 102

**FINE ARTS - 3 UNITS**
Art: 100, 101*, 124, 135, 141, 160, 211, 214, 231, 260, 261
English: 261
History: 203
Humanities: 101
Music: 121, 124, 125, 176
Music: Ensemble: 101*, 131, 135
Theatre: 100, 105*, 180
*Course may not meet the Fine Arts requirement at all universities. Please see an advisor.*

**HUMANITIES - 3 UNITS**
Core Humanities: 201, 202, 212
English: 200, 223
History: 105, 106, 207, 208, 209, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245
***UNR transfer students, choose at least one of the following courses:***
Core Humanities: 201, 202
History: 105, 106
Philosophy: 200, 207, 245

**MATHEMATICS**
See Program Requirements
**SCIENCE**
See Program Requirements

**SOCIAL SCIENCES - 3 UNITS**
Anthropology: 101, 201, 202, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 104
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217
Journalism: 103
Political Science: 101, 103, 208, 231
Psychology: 101, 102, 233, 234, 240, 257, 261
Sociology: 101

**U.S. & NEVADA CONSTITUTION**
**3-6 UNITS**
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following: HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

# Associate of Science
## WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

**Agricultural Science**

**Atmospheric Science**

**Biochemistry & Molecular Biology**

**Chemistry**

**Computer Science**

**Engineering**
Biomedical
Chemical
Civil
Electrical
Engineering Physics
Environmental
Geological
Mechanical
Metallurgical
Mining

**Environmental Science**

**Forest Management & Ecology**

**Geology**

**Geophysics**

**Hydrology**

**Mathematics**

**Neuroscience**

**Nutrition**

**Physics**

**Rangeland Ecology & Management**

**Veterinary Science**

**Wildlife Ecology Conservation**

## TRANSFER PATHWAY EXAMPLES

### AGRICULTURAL SCIENCE MAJOR PATHWAY
This transfer pathway is designed to meet WNC Associate of Science degree requirements with a concentration in agricultural science, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in agricultural science.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 127 and 181 | 7 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Social Science course | 3 units |
| US and Nevada constitutions course | 3 units |
| BIOL 190 and 191 | 8 units |
| CHEM 121 and 122 | 8 units |
| AGSC 100 | 3 units |
| STAT 152 | 8 units |
| Electives/ university agricultural science program requirements | 14 units |

### ENGINEERING MAJOR PATHWAY
This transfer pathway is designed to meet WNC Associate of Science degree requirements with a concentration in engineering, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in engineering.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| MATH 181, 182, 283 and 285 | 15 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| US and Nevada constitutions course | 3 units |
| CHEM 121 | 4 units |
| PHYS 180/180L, 181/181L | 8 units |
| ENGR 100 | 3 units |
| Electives/university engineering program requirements | 15 units |

### BIOLOGY MAJOR PATHWAY
This transfer pathway is designed to meet WNC Associate of Science degree requirements with a concentration in biology, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in biology.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| Math 127 and 181 | 7 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Social Science course | 3 units |
| US and Nevada constitutions course | 3 units |
| BIO 190 and 191 | 8 units |
| CHEM 121, 122, 241/241L and 242/242L | 16 units |
| STAT 152 | 3 units |
| PHYS 151 and 152 | 8 units |
| Electives/university biology program requirements | 4 units |

### GEOLOGY MAJOR PATHWAY
This transfer pathway is designed to meet WNC Associate of Science degree requirements with a concentration in geology, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in geology.

| | |
|---|---|
| ENG 101 and 102 | 6 units |
| Math 127, 181 and 182 | 11 units |
| Fine Arts course | 3 units |
| Humanities course | 3 units |
| Social Science course | 3 units |
| US and Nevada constitutions course | 3 units |
| CHEM 121 and 122 | 8 units |
| GEOL 101 and 102 | 8 units |
| PHYS 180/180L and 181/181L | 8 units |
| Electives/university geology program requirements | 8 units |

**Don't see a pathway for your intended transfer program? WNC advisors can work with you to create one!**

# Online Degrees
## COLLEGE ON YOUR TIME & SCHEDULE

WNC offers a number of online degrees and programs for individuals seeking to advance their education while maintaining their personal commitments to work and/or family. Online courses offer students the opportunity to learn at times of the day when it is convenient for them. Attending college online requires students to be self-motivated and able to manage their time for the rigor of self-guided learning.

### PREPARE FOR TRANSFER TO A UNIVERSITY
Associate of Arts
Associate of Science
Associate of Business

### CERTIFICATES OF ACHIEVEMENT
Business
Bookkeeping
Computer Information Technology
Criminal Justice
Graphic Design

### ASSOCIATE OF APPLIED SCIENCE DEGREES
Accounting
Computer Information Technology
Criminal Justice
General Business
Graphic Design
Management

### BACHELOR OF APPLIED SCIENCE DEGREE
Organization and Project Management

*Completion of an Associates degree required for admission to the BAS degree program*

### ASSOCIATE OF GENERAL STUDIES

**Many other programs have online courses available.
Work with an advisor to create a pathway for your transfer program.**

### ONLINE NEW STUDENT ORIENTATION
New student orientation helps students make a successful transition to the college environment and introduces students to campus resources and services. All first-time degree and certificate-seeking students should attend orientation.

### CANVAS
WNC uses a platform called Canvas for access to both online and flex courses. Online Orientation and FAQs for using Canvas can be found online at wnc.edu/wnc-online/

## wnc.edu/online-learning

# Programs and Career Pathways
## LEARN TECHNICAL SKILLS THAT LEAD TO JOBS IN THE NEW NEVADA

WNC's career pathways programs provide a bridge between education and employment, preparing students with the skills they need to take advantage of work opportunities in high demand fields that pay a living wage.  Programs are directly aligned with industry and employer requirements, with most providing access to certifications and credentials that are valued for employment and advancement.

For new job seekers, those upskilling for a promotion, or people seeking to change careers, WNC's career pathway programs feature stackable credentials and delivery options that meet the needs of working adults. Some programs can be completed in as little as 8-15 weeks.

### SKILLS CERTIFICATES

Be ready to enter the workplace in as little as eight weeks. WNC offers more than 30 industry-recognized credentials for skill development and career advancement.

### CERTIFICATES OF ACHIEVEMENT

Expand your skills with a one-year certificate.

### ASSOCIATE OF APPLIED SCIENCE DEGREES

WNC offers two-year career preparation programs in many areas. Students learn technical skills that lead to jobs.

### BACHELOR OF APPLIED SCIENCE DEGREES

WNC offers baccalauraete degrees in organization and project management (online) and construction management.

## PATHWAY PROGRAMS

**ALLIED HEALTH**
Certified Nursing Assistant
Health Science
Lab Tech-Phlebotomy
Registered Nursing

**AUTOMOTIVE TECHNOLOGY**
Mechanics
Collision Repair

**BUSINESS**
Accounting
Bookkeeping
Management
Organizational & Project Management

**COMPUTER INFORMATION TECHNOLOGY**
Back End Developer
Cybersecurity
Front End Developer
Programming

**CONSTRUCTION TECHNOLOGY**
Construction
Heating, Ventilation & AC/Refrigeration

**DEAF STUDIES**
American Sign Language

**EDUCATION**
Early Childhood
Elementary
Secondary
Special Education

**GRAPHIC DESIGN**

**MANUFACTURING & AUTOMATION**
Industrial Electronics
Machine Tool Technology
Mechatronics
Welding

**PUBLIC SAFETY**
Criminal Justice
Emergency Medical Technician (EMT)
Advanced Emergency Medical Technician (AEMT)
Fire Science

# Professional Skill Development

## SKILLS CERTIFICATES

These short-term programs, often completed in as little as 8 weeks, prepare students with the skills needed for high-demand jobs. Students who complete the required courses with a C or better are prepared to earn industry-recognized certifications/credentials that demonstrate job preparation and competency to employers.

*Note: While these programs are designed to prepare students to take certification and licensing exams, the exams are not required or included in the coursework. Successful completion of the program does not guarantee passing or receiving the certification or license.*

**ADVANCED MANUFACTURING**
Industrial Electronics Technology
Manufacturing Technician
Mechatronics

**ALLIED HEALTH**
Certified Nursing Assistant
Laboratory Technician - Phlebotomy

**AUTOMOTIVE TECHNOLOGY**
Collision Repair
Mechanics - Brakes
Mechanics - Electrical/Electronic
   Systems
Mechanics - Engine Performance
Mechanics - Heating & Air Conditioning
Mechanics - Steering & Suspension
Mechanics - Transmission/Transaxle

**BUSINESS**
Real Estate

**COMPUTER INFORMATION TECHNOLOGY**
Cisco Switching & Routing
Cybersecurity
Ethical Hacking
Front End Developer
General Security
IT Essentials
Microsoft Certified Technology
   Specialist
Network Support
Project Management
Secondary Education CS Endorsement

**CONSTRUCTION TECHNOLOGY**
Construction Gateway
Construction Skills
Heating, Ventilation, AC/Refrigeration

**EDUCATION**
Early Childhood Educator I
Early Childhood Educator II

**EMERGENCY MEDICAL SERVICES**
Emergency Medical Technician (EMT)
Advanced Emergency Medical
Technician (AEMT)

**MACHINE TOOL TECHNOLOGY**
Chucking, Surface Grinding, Milling & Measurement

**WELDING**
Shielded/Gas Metal Arc
Flux Core & Gas Tungsten Arc
AWS Exam

## CERTIFICATE OF ACHIEVEMENT

For those desiring a shorter course of study, WNC offers Certificates of Achievement in many occupational areas. Students enrolled in any of these programs will benefit from "hands-on" laboratory experiences within their major field. They will enter the job market with specific skills and knowledge useful for employment and advancement. In some cases, courses may not transfer to other Nevada community colleges and Nevada State University or to other colleges and universities.

See a WNC advisor for the latest transfer information. Courses with a number under 100 (such as ENG 95) are not applicable toward a Certificate of Achievement at WNC. Courses completed through Certificates of Achievement provide basis for Associate of Applied Science degrees.

**MISSION:** The purpose of the Certificate of Achievement is to provide employment-related knowledge and skills.

**STUDENT LEARNING OUTCOMES:** The successful student will:

- Know the subject matter appropriate to the emphasis of the certificate.
- Acquire the skills necessary for employment or career enhancement.
- Successfully represent themselves to a potential employer.
- Demonstrate effective communication and computational skills appropriate to the certificate area.
- Utilize appropriate resources for remaining current in the certificate area.
- Have developed an appreciation of the importance of social, ethical, legal and diversity issues.

### CERTIFICATE REQUIREMENTS

#### 30 TOTAL UNITS CHOSEN FROM THE FOLLOWING CATEGORIES:

**ENGLISH/COMMUNICATIONS 3-6 UNITS**
*Must include a writing course.*
Business: 107, 108
Communication: 101, 102, 113, 215
Criminal Justice: 103
English
Journalism: 201
Reading
Writing Course; Business 108,
English 100, 101, 102, 107 or any other 200 level English class.

**MATHEMATICS - 3 UNITS**
Business: 115
Economics: 261, 262
Mathematics
Psychology: 210
Sociology: 210
Statistics: 152

**HUMAN RELATIONS - 1-3 UNITS**
Anthropology: 101, 201
Business: 110
Counseling and Personal
Development: 117, 129
Criminal Justice: 270
Early Childhood Education: 121
Educational Psychology: 150
Human Development & Family Studies: 201, 202
Management: 201, 212, 283
Nursing: 261
Psychology (except for PSY 210)
Sociology (except for SOC 210)

**PROGRAM REQUIREMENTS**
30 units are required for any certificate of achievement, although the exact number of units required may differ with particular subject matter.
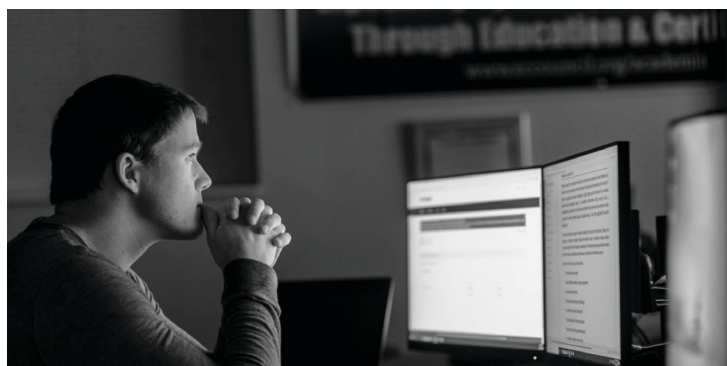
# Associate of Applied Science A CAREER DEGREE

**This degree provides career preparation, training and industry credentials in an occupational or technical field.**

Students enrolled in an applied science program will benefit from "hands-on" laboratory experience within their major field. They will enter the job market with specific skills and knowledge useful for employment and advancement.

Although the AAS degree is not designed to be a transfer program, some courses will transfer to four-year colleges or universities. Students who wish to transfer to a four-year school should consult a WNC advisor. Courses with a number under 100 (such as ENG 95) are not applicable toward an Associate of Applied Science degree at WNC.

A maximum of six units of special topics classes in one subject area may apply toward any WNC degree.

**MISSION:** The purpose of the Associate of Applied Science degree is to provide employment-related knowledge and skills necessary to succeed in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** The successful student will:

- Have met the institutional student learning outcomes.
- Know the subject matter appropriate to the emphasis of the degree.
- Have acquired skills and can perform tasks necessary for employment or career advancement.

## GENERAL EDUCATION REQUIREMENTS

### 21-24 UNITS

**ENGLISH/COMMUNICATIONS
6 UNITS**
*Must include a writing course.*
Business: 107, 108
Communication: 101, 102, 113, 215
Criminal Justice: 103
English
Journalism: 201
Reading
Writing Course: Business 108, English 100, 101, 102, 107 or any 200 level English class

**HUMAN RELATIONS
3 UNITS**
Anthropology: 101, 201
Business: 110
Counseling and Personal Development: 117, 129
Criminal Justice: 270
Early Childhood Education: 121
Educational Psychology: 150
Human Development & Family Studies: 201, 202
Management: 201, 212, 283
Nursing 261
Psychology (except for PSY 210)
Sociology (except for SOC 210)

**HUMANITIES/SOCIAL SCIENCE
3 UNITS**
*Choose from either area:*
**Humanities:**
Art: 100, 101*, 124, 135, 160, 214, 224, 241, 260, 261
Core Humanities: 201, 202, 212
English: 200, 221, 223, 250, 261, 266, 267, 271, 275
History: 105, 106, 203, 207, 208, 209, 247
Humanities: 101
Music: 111*, 121, 124, 125, 134, 176
Music Ensemble: 131, 135
Philosophy (except for PHIL 102, 114)
Theatre: 100, 105, 180
**Social Sciences:**
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 104, 120, 215, 220, 225, 226, 230, 270
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217, 295
Journalism: 103
Political Science
Psychology (except for PSY 210)
Sociology (except for SOC 210)
*Course may not meet the fine arts requirement at all universities. See an advisor.*

**MATHEMATICS
3 UNITS**
Business: 115
Economics: 261, 262
Mathematics
Psychology: 210
Statistics: 152

**SCIENCE
3 UNITS**
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology (except for BIOL 208, 223, 224, 251)
Chemistry (except for CHEM 220, 241, 241L, 242, 242L)
Emergency Medical Services: 205
Environmental Studies
Geography: 103, 104, 116, 121
Geology: (except for GEOL 111, 112, 113, 299)
Nutrition: 121
Physics (except for PHYS 293)

**U.S. & NEVADA CONSTITUTION
3-6 UNITS**
*Must meet both requirements. Choose from the following:*
Core Humanities: 203
History: 111
History: 101 and one of the following: HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

Courses numbered below 100 (such as ENG 98) are not applicable toward an Associate of Applied Science degree.

## PROGRAM REQUIREMENTS

### 36-39 UNITS

The number of units required may vary by emphasis. Some units earned in non-traditional courses may be considered for elective credit and may require review in order to be applied to the AAS degree.

Program requirements can be found on the programs of study pages.

# Bachelor of Applied Science A CAREER DEGREE

**Western Nevada College offers two bachelor degrees.**

## GENERAL EDUCATION REQUIREMENTS

**ENGLISH/COMMUNICATIONS REQUIREMENTS**                    **9 UNITS**
English 100 or 101, 102
*Choose from:*
Business: 107
or Communication: 101, 102, 113

**FINE ARTS/HUMANITIES REQUIREMENTS**                    **3 UNITS**
Art: 100, 101, 124, 135, 141, 160, 175, 211, 214, 224, 231, 260, 261
Humanities: 101
Core Humanities: 201, 202, 212
Theatre: 100, 105, 180
English: 200, 223, 261
Music, Ensemble: 101, 131, 135
Music: 111, 121, 124, 125, 131, 134, 135, 176
History: 105, 106, 203, 207, 208, 209, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245

**GENERAL ELECTIVES**                    **VARIES BY PROGRAM**

**MATHEMATICS REQUIREMENTS: CONSTRUCTION**                    **3 UNITS**
*Choose from:*
Mathematics: 120*, 124*, 126, 127, 128, 176, 181, 182
Statistics: 152

*Courses numbered below 100 (such as ENG 98) are not applicable toward the Bachelor of Applied Science degree.*

**The BAS in Construction Management requires Math 126 or higher.*

## GENERAL EDUCATION REQUIREMENTS

**SCIENCE REQUIREMENTS**                    **6 UNITS**
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 100, 113, 190, 191, 200
Chemistry: 100, 121, 122
Environmental Studies: 100, 101
Geology: 100, 101, 105, 201
Geography: 103, 116, 121
Nutrition: 121
Physics: 100, 151, 152, 180, 180L

**SOCIAL SCIENCES REQUIREMENT**                    **3 UNITS**
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 104, 220, 230, 270
Geography: 106, 200
History: 101, 102, 111, 217, 295
Journalism: 103
Political Science: 103, 105, 108, 208, 231, 295, 299
Psychology (except for PSY 210)
Sociology (except for SOC 210)

**U.S. AND NEVADA CONSTITUTION REQUIREMENTS**                    **3 TO 6 UNITS**
*Choose from:*
Core Humanities: 203
History: 111
History: 101 and one of the following:
   HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

# Bachelor of Applied Science
## ORGANIZATION AND PROJECT MANAGEMENT

**This online degree offers students the ability to gain technical skills in project management while developing leadership/management skills.**

Organization leadership applies to a variety of organization types including for- and not-for-profit, small business to corporations, etc. This degree will provide students with the leadership scope and working knowledge of project management development and implementation to fill the U.S. and Northern Nevada gap while contributing to the economic development of the region. This is an online degree, enabling individuals to advance their education while working in their field of interest.

### PROGRAM ENTRANCE REQUIREMENTS

An associate degree from a regionally accredited institution with an overall GPA of 2.0.

General Education requirements are met with the completion of an accepted associate degree except for the following NSHE general education requirements, which must be completed (prior to completion of BAS) if not met with the associate degree used for the program entrance requirement:

- Students transferring from another state are required to take classes to fulfill U.S. and Nevada Constitution requirements.

- ENG 102 (3 units)

- Math (3 units)

- Natural Science (6 units)

- Social Science or Humanities/Fine Arts (9 units)

## PROGRAM REQUIREMENTS

### 60 UNITS

| | | |
|---|---|---|
| BUS 299 | Capstone | 3 |
| CIT 263 | Project Management | 3 |
| CIT 363 | Advanced Project and Earned Value Management | 3 |
| COM 215 | Intro to Group Communication | 3 |
| FIN 310 | Applied Accounting and Finance | 3 |
| IS 301 | Management Information Systems | 3 |
| MGT 310 | Foundations of Management Theory and Practice | 3 |
| MGT 320 | Organization and Project Management | 3 |
| MGT 323 | Organizational Behavior and Interpersonal Behavior | 3 |
| MGT 371 | Leadership and Managerial Skills | 3 |
| MGT 391 | Quantitative Analysis | 3 |
| MGT 412 | Change Management | 3 |
| MGT 462 | Changing Environment | 3 |
| MGT 480 | International Management | 3 |
| MGT 485 | Applied Business Ethics | 3 |
| MGT 487 | Entrepreneurship | 3 |
| MGT 496 | Strategic Management and Policy | 3 |
| MGT 497 | Business Plan Creation | 3 |
| MKT 210 | Marketing Principles | 3 |

**GENERAL ELECTIVE** (upper or lower division)  3

### ORGANIZATION AND PROJECT MANAGEMENT - Bachelor of Applied Science Suggested Course Sequence

| FIRST SEMESTER (Fall) | Completed | THIRD SEMESTER (Fall) | Completed |
|---|---|---|---|
| MGT 320 | 3 ☐ | FIN 310 | 3 ☐ |
| MGT 485 | 3 ☐ | IS 301 | 3 ☐ |
| MGT 310 | 3 ☐ | CIT 363 | 3 ☐ |
| COM 215 | 3 ☐ | MGT 496 | 3 ☐ |

| WINTER SESSION (January) | Completed | WINTER SESSION (January) | Completed |
|---|---|---|---|
| MGT 323 | 3 ☐ | BUS 299 | 3 ☐ |

| SECOND SEMESTER (Spring) | Completed | FOURTH SEMESTER (Spring) | Completed |
|---|---|---|---|
| MKT 210 | 3 ☐ | MGT 412 | 3 ☐ |
| MGT 391 | 3 ☐ | MGT 371 | 3 ☐ |
| CIT 263 | 3 ☐ | MGT 497 | 3 ☐ |
| MGT 462 | 3 ☐ | Elective | 3 ☐ |

| SUMMER SESSION | Completed |
|---|---|
| MGT 487 | 3 ☐ |
| MGT 480 | 3 ☐ |



**College on your time and schedule**

## EARN THIS DEGREE ONLINE

# Bachelor of Applied Science
## CONSTRUCTION MANAGEMENT

This degree allows those who have completed an associate degree in construction technology to progress academically and earn a bachelor's degree.

The Bachelor of Applied Science degree in Construction Management offers associate degree students, new students and skilled workers an educational route toward a career as a construction manager or supervisor. The 120-credit program combines knowledge in construction methods, planning and project management with business and supervisory skills. It also allows those already working in the construction field to enroll in an applicable baccalaureate degree program and expand career advancement possibilities. Students must meet with an advisor and be admitted into the program.

**MISSION**: The mission of the Bachelor of Applied Science in Construction Management degree is to prepare students for entry-level and mid-level positions within the various construction industry disciplines, and to meet the goals of the Technology Division.

**STUDENT LEARNING OUTCOMES:** Upon completing the Bachelor of Applied Science degree program, students will be able to demonstrate:

- Knowledge in basic economic principles, business principles and construction accounting, finances and law.
- Exposure to the design theory and analysis of construction practices and systems.
- Understanding of the utilization of available resources for construction planning, methods and materials.
- Understanding, skill and knowledge of construction documents, communications, graphics and surveying.
- Skill and knowledge in construction accounting, estimating and bidding practices.
- Ability to plan and schedule construction projects.
- Application of relevant administrative skills, ethics, safety practices and problem-solving techniques to construction management.

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**BACHELOR OF APPLIED SCIENCE IN CONSTRUCTION MANAGEMENT ADMISSION REQUIREMENTS**

1. Complete a minimum of 30 college units or equivalent with a minimum 2.0 GPA. Within the 30 units:
   - A minimum of 12 units must be in applicable construction courses. This requirement may be waived if the student has construction experience.
   - A minimum of 12 units must be in applicable general education classes, including English 101, with a grade of C or better – a grade of C– or lower will not be acceptable.

   OR: Have an associate degree in Construction Management from a regionally accredited institution,

   OR: Have an associate degree in Apprenticeship from an NSHE institution.
2. Meet with a WNC advisor.
3. Submit application to Admission & Records.

## REQUIREMENTS

| BUSINESS AND MANAGEMENT CORE REQUIREMENTS | | 18 UNITS |
|---|---|---|
| BUS 101 | Introduction to Business | 3 |
| ACC 201 | Financial Accounting | 3 |
| *Choose 3 units from the following Economics courses:* | | |
| ECON 100 | Introduction to Economics | 3 |
| ECON 102 | Principles of Microeconomics | 3 |
| ECON 103 | Principles of Macroeconomics | 3 |
| *Choose 3 units from the following Management courses:* | | |
| MGT 323 | Organizational Behavior & Interpersonal Behavior | 3 |
| MGT 367 | Human Resource Management | 3 |
| *Choose 6 units from the following Management courses:* | | |
| COM 412 | Intercultural Communication | 3 |
| MGT 462 | Changing Environments | 3 |
| MGT 469 | Managing Cultural Diversity | 3 |

| PROGRAM REQUIREMENTS | | 66 UNITS |
|---|---|---|
| CADD 100 | Introduction to Computer Aided Drafting | 3 |
| CEM 100 | Fundamentals of Construction Management | 3 |
| CEM 330 | Soils and Foundations for Construction | 3 |
| CEM 350 | Facility Systems Design and Construction I | 3 |
| CEM 432 | Temporary Construction Structures | 3 |
| CEM 451 | Construction Estimating | 3 |
| CEM 452 | Construction Cost Control | 3 |
| CEM 453 | Construction Scheduling | 3 |
| CEM 454 | Heavy Construction Methods and Equipment | 3 |
| CEM 455 | Construction Management Practice | 3 |
| CEM 456 | Management Construction Capstone | 3 |
| CEM 485 | Construction Law and Contracts | 3 |
| CONS 108 | Construction Materials and Methods I | 4 |
| CONS 109 | Construction Materials and Methods II | 4 |
| CONS 111 | Commercial Building Codes | 3 |
| CONS 118 | Construction Contract Documents | 2 |
| CONS 120 | Blue Print Reading and Specification | 3 |
| CONS 121 | Principles of Construction Estimating | 3 |
| CONS 205 | Construction Site Safety | 2 |
| CONS 281 | Construction Planning Scheduling And Control | 3 |
| CONS 451 | Advanced Internship in Construction | 3 |
| SUR 119 | Construction Surveying | 3 |

| GENERAL EDUCATION REQUIREMENTS | 36 UNITS |
|---|---|
| English/Communications Requirement | 9 |
| Fine Arts/Humanities Requirement | 3 |
| Mathematics: 126 or higher | 3 |
| Science Requirement | 6 |
| Social Sciences Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |
| General Electives | 9 |

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### CONSTRUCTION MANAGEMENT - Bachelor of Applied Science Suggested Course Sequence
*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

| FIRST SEMESTER | | Completed | FIFTH SEMESTER | | Completed |
|---|---|---|---|---|---|
| CEM 100 | 3 ☐ | | ACC 201 | 3 ☐ | |
| CONS 108 | 4 ☐ | | Bus/Management Course | 3 ☐ | |
| ENG 101 | 3 ☐ | | English/Comm Course | 3 ☐ | |
| MATH 126 or higher | 3 ☐ | | Fine Arts Course | 3 ☐ | |
| Science Course | 3 ☐ | | Science Course | 3 ☐ | |
| **SECOND SEMESTER** | | **Completed** | **SIXTH SEMESTER** | | **Completed** |
| CONS 109 | 4 ☐ | | CEM 330 | 3 ☐ | |
| CONS 118 | 3 ☐ | | CEM 350 | 3 ☐ | |
| CONS 120 | 3 ☐ | | CEM 432 | 3 ☐ | |
| ENG 102 | 3 ☐ | | Bus/Management Course | 3 ☐ | |
| Math Course | 3 ☐ | | Social Science Course | 3 ☐ | |
| **THIRD SEMESTER** | | **Completed** | **SEVENTH SEMESTER** | | **Completed** |
| CADD 100 | 3 ☐ | | CEM 451 | 3 ☐ | |
| CONS 111 | 3 ☐ | | CEM 453 | 3 ☐ | |
| CONS 121 | 2 ☐ | | CEM 454 | 3 ☐ | |
| Humanities Course | 3 ☐ | | CEM 455 | 3 ☐ | |
| General Elective Course | 3 ☐ | | Bus/Management Course | 3 ☐ | |
| **FOURTH SEMESTER** | | **Completed** | **EIGHTH SEMESTER** | | **Completed** |
| CONS 205 | 2 ☐ | | CEM 452 | 3 ☐ | |
| CONS 281 | 3 ☐ | | CEM 485 | 3 ☐ | |
| SUR 119 | 3 ☐ | | CONS 451 | 3 ☐ | |
| Economics Course | 3 ☐ | | Capstone Course | 3 ☐ | |
| U.S./Nevada Constitution | 3 ☐ | | | | |

# ADVANCED MANUFACTURING
# Automation and Industrial Technology

The Advanced Manufacturing programs of study focus on building a solid base of fundamental knowledge and skills to prepare for careers in modern manufacturing, mining, aerospace and high-tech health care environments.

Class and lab work explores the industrial environment, culture, processes and values. Knowledge and skill courses include technology-rich computer-based studies and hands-on lab experiences with industrial components and allow students to move forward through advanced studies including automation, mechatronics and robotics.

**MISSION:** The purpose of the Associate of Applied Science degree in Technology is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science in Automation and Industrial Technology are expected to:

- Know the subject matter appropriate to the emphasis of the degree.

- Communicate effectively and appropriately, in oral and written form.

- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.

- Acquire skills and perform tasks necessary for employment or career enhancement.

- Develop an appreciation of the importance of social, ethical, legal and diversity issues.

- Develop an appreciation of the need and importance of lifelong learning.

## SKILLS CERTIFICATE - MANUFACTURING TECHNICIAN

The Manufacturing Technician program is an entry point for those seeking career opportunities in Advanced Manufacturing, Robotics and Mechatronics. This program will prepare individuals to succeed in modern production environments that use industry 4.0 controls, automation and processes. Upon completion, students will be prepared to earn the C-101 Certified Industry 4.0 Associate I - Basic Operation certificate through the Smart Automation Certification Alliance (SACA).

| | | 13 UNITS |
|---|---|---|
| MPT 111 | Fundamentals of Manufacturing and Automation I | 3 |
| MPT 112 | Fundamentals of Manufacturing and Automation II | 3 |
| ELM 110 | Basic Electricity | 3 |
| ELM 127 | Introduction to AC Controls | 3 |
| OSH 222 | General Industry Safety | 1 |

## SKILLS CERTIFICATE - MECHATRONICS FOUNDATION

Mechatronics is the study of electrical, mechanical, fluid power and control components that make up automated systems in high-tech industrial environments. This program is for individuals currently working or seeking opportunities in occupations such as maintenance, IT and engineering. Students will become well-versed in basic factory floor controls, automation and programming, learning to analyze and modify modern production control systems that use industry 4.0 automation technologies and processes. Upon completion, students will be prepared for the SACA C-102 Certified Industry 4.0 Associate II.

| | | 12 UNITS |
|---|---|---|
| MPT 160 | Mechanical Drive Systems I | 3 |
| ELM 129 | Electric Motors & Drives | 3 |
| ELM 134 | Programmable Logic Controllers I | 3 |
| ELM 140 | Industrial Robotics | 3 |

## SKILLS CERTIFICATE - INDUSTRIAL ELECTRONICS TECHNOLOGY

This course of study prepares students for the Certified Electronics Technician Associate Exam, which is administered by the International Society of Certified Electronics Technicians (ISCET).

| | | 14 UNITS |
|---|---|---|
| MPT 111 | Fundamentals of Manufacturing and Automation I | 3 |
| ELM 110 | Basic Electricity | 4 |
| ELM 112 | Electrical Theory, DC | 3 |
| ELM 121 | Circuit Design | 3 |
| OSH 222 | General Industry Safety | 1 |

## CERTIFICATE OF ACHIEVEMENT - INDUSTRIAL ELECTRONICS TECHNOLOGY

| TOTAL REQUIREMENTS | | 30 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| ELM 110 | Basic Electricity | 4 |
| ELM 112 | Electrical Theory, DC | 3 |
| ELM 121 | Circuit Design | 3 |
| MPT 111 | Fundamentals of Manufacturing and Automation I | 3 |
| MPT 112 | Fundamentals of Manufacturing and Automation II | 3 |
| OSH 222 | General Industry Safety | 1 |

**Choose 4 units from the following program electives:**
Any MPT, ELM, DFT, ENGR, WELD or MTT

| GENERAL EDUCATION REQUIREMENTS | 9 UNITS |
|---|---|
| English/Communications Requirements: *Must include a writing course* | 3 |
| Human Relations | 3 |
| Mathematics: *MATH 110 or higher* | 3 |

| INDUSTRIAL ELECTRONICS TECHNOLOGY - Certificate of Achievement Suggested Course Sequence *Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.* | | | | | |
|---|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | | **SECOND SEMESTER** | *Completed* | |
| ELM 110 | 4 ☐ | | ELM 121 | 3 ☐ | |
| ELM 112 | 3 ☐ | | MPT 112 | 3 ☐ | |
| MPT 111 | 3 ☐ | | Program Elective | 4 ☐ | |
| OSH 222 | 1 ☐ | | English/Comm. Course | 3 ☐ | |
| Mathematics Course | 3 ☐ | | Human Relations Course | 3 ☐ | |

**SACA**

Endorsed by

**SMART AUTOMATION CERTIFICATION ALLIANCE**

Introductory Industry 4.0 certifications for individuals seeking proficiency with floor automation equipment and processes in an Advanced Manufacturing environment.

# ADVANCED MANUFACTURING
## Automation and Industrial Technology

Mechatronics is the high-tech field combining electrical, mechanical, fluid power and control systems in industrial environments. These programs ensure an understanding of Industry 4.0 concepts and theories applied through hands-on experiences to ensure operational knowledge. Students will develop a troubleshooting mindset through an interactive approach to automated systems that includes real-world problem solving, research, safety practices, documentation and effective teamwork.

### CERTIFICATE OF ACHIEVEMENT - MECHATRONICS

The Mechatronics Certificate of Achievement expands on the electrical and mechanical skills in the foundational courses and/or field experience to develop further proficiency in Industry 4.0 processes.

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 18 UNITS |
|---|---|---|
| MPT 111 | Fundamentals of Manufacturing and Automation I | 3 |
| MPT 112 | Fundamentals of Manufacturing and Automation II | 3 |
| MPT 160 | Mechanical Drive Systems I | 3 |
| ELM 127 | Introduction to AC Controls | 3 |
| ELM 134 | Programmable Logic Controllers I | 3 |
| OSH 222 | General Industry Safety | 1 |

*Choose 2 units from the following program electives:*
Any ELM, ENGR, MPT, or MT course                    units vary

| GENERAL EDUCATION REQUIREMENTS | 12 UNITS |
|---|---|
| English/Communications Requirement *Must include a writing course* | 6 |
| Mathematics Requirement *Recommended: MATH 110* | 3 |
| Human Relations Requirement | 3 |

| MECHATRONICS - Certificate of Achievement Suggested Course Sequence | | | | |
|---|---|---|---|---|
| FIRST SEMESTER | Completed | SECOND SEMESTER | Completed | |
| MPT 111 | 3 ☐ | MPT 112 | 3 ☐ | |
| OSH 222 | 1 ☐ | ELM 134 | 3 ☐ | |
| ELM 127 | 3 ☐ | MPT 160 | 3 ☐ | |
| Program Elective | 2 ☐ | English/Communications | 3 ☐ | |
| English/Communications | 3 ☐ | Human Relations | 3 ☐ | |
| Mathematics | 3 ☐ | | | |



### ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - MECHATRONICS & ELECTRONICS

The Mechatronics and Electronics degree develops knowledge and skills needed for career progression in an automated Advanced Manufacturing environment where the integration of computers and electronic technologies control industrial systems and machines.

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 28 UNITS |
|---|---|---|
| ELM 110 | Basic Electricity | 3 |
| ELM 112 | Electrical Theory DC | 3 |
| ELM 127 | Introduction to AC Controls | 3 |
| ELM 129 | Electric Motors & Drives | 3 |
| ELM 134 | Programmable Logic Controllers I | 3 |
| ELM 140 | Industrial Robotics | 3 |
| MPT 111 | Fundamentals of Manufacturing and Automation I | 3 |
| MPT 112 | Fundamentals of Manufacturing and Automation II | 3 |
| MPT 160 | Mechanical Drive Systems I | 3 |
| OSH 222 | General Industry Safety | 1 |

*Choose 8 units from the following program electives:*
Any AIT, CADD, DFT, ELM, ENGR, ENRG, ET, MPT, MT, or MTT course        units vary

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement *Must include a writing course* | 6 |
| Mathematics *Recommended: MATH 126* | 3 |
| Science | 3 |
| Human Relations | 3 |
| Humanities/Social Science | 3 |
| U.S. and Nevada Constitution | 3 |
| General Elective | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

| MECHATRONICS & ELECTRONICS - Associate of Applied Science Suggested Course Sequence | | | |
|---|---|---|---|
| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
| ELM 110 | 3 ☐ | ELM 129 | 3 ☐ |
| ELM 112 | 3 ☐ | ELM 134 | 3 ☐ |
| MPT 111 | 3 ☐ | Program Electives | 4 ☐ |
| OSH 222 | 1 ☐ | US/Nev. Constitution | 3 ☐ |
| Math Course | 3 ☐ | English/Communication Course | 3 ☐ |
| SECOND SEMESTER | Completed | FOURTH SEMESTER | Completed |
| ELM 127 | 3 ☐ | MPT 160 | 3 ☐ |
| MPT 112 | 3 ☐ | ELM 140 | 3 ☐ |
| Program Elective | 4 ☐ | General Elective | 3 ☐ |
| English/Communication Course | 3 ☐ | Science Course | 3 ☐ |
| Human Relations | 3 ☐ | Social Science/Humanities | 3 ☐ |

Endorsed by

## NATIONAL ASSOCIATION OF MANUFACTURERS

**for entry-level workers and experienced technicians alike.**

**Third-party industry-recognized credentials can be earned throughout the program. A fee is associated with most exams.**

# AUTOMOTIVE TECHNOLOGY
# Collision Repair and Automotive Mechanics

For those seeking a career in the automotive industry, WNC provides a choice between two high-demand, high-wage fields – automotive mechanics and collision repair. Both programs are accredited by the Automotive Service Excellence Education Foundation and provide access to industry-standard certifications needed for employment.

**MISSION:** The mission of the Associate of Applied Science degree in Automotive Mechanics is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science degree in Automotive Mechanics are expected to:

- Know the subject matter appropriate to the emphasis of the degree.

- Communicate effectively and appropriately, in oral and written form.

- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.

- Acquire skills and perform tasks necessary for employment or career enhancement.

- Develop an appreciation of the importance of social, ethical, legal and diversity issues.

- Develop an appreciation of the need and importance of lifelong learning.



**Third-party industry-recognized credentials can be earned throughout the program. A fee is associated with most exams.**

## SKILLS CERTIFICATE - AUTOMOTIVE COLLISION REPAIR

These lab-based courses provide hands-on practice for inspecting damaged vehicles and mastering repair techniques to include grinding, painting and buffing. Student will learn the value of being detail-oriented, as well as communication skills for good customer service. Courses align with ASE and I-Car certifications.

| | | 12 UNITS |
|---|---|---|
| AUTB 120 | Automotive Collision I | 3 |
| AUTB 125 | Automotive Collision II | 3 |
| AUTB 200 | Automotive Refinishing I | 3 |
| AUTB 205 | Automotive Refinishing II | 3 |



## SKILLS CERTIFICATE - AUTOMOTIVE MECHANICS

These skills certificates can provide the foundation for first-time, entry-level technician jobs or for advancement. Each course has a lab and classroom component to help students master skills, as well as prepare for ASE certifications in each area.

| **AUTOMOTIVE TRANSMISSION/TRANSAXLE** | | **14 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Automotive Electricity & Electronics I | 4 |
| AUTO 205 | Manual Drivetrain and Axles | 3 |
| AUTO 210 | Automatic Transmission and Transaxles I | 3 |
| OSH 222 | General Industry Safety | 1 |

| **AUTOMOTIVE HEATING AND AIR CONDITIONING** | | **11 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Automotive Electricity & Electronics I | 4 |
| AUTO 160 | Automotive Air Conditioning and Heating | 3 |
| OSH 222 | General Industry Safety | 1 |

| **AUTOMOTIVE BRAKES** | | **12 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 145 | Automotive Brakes | 4 |
| OSH 222 | General Industry Safety | 1 |

| **AUTOMOTIVE ELECTRICAL/ELECTRONIC SYSTEMS** | | **12 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 117 | Advanced Auto Electronics | 4 |
| OSH 222 | General Industry Safety | 1 |

| **AUTOMOTIVE STEERING AND SUSPENSION** | | **12 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 155 | Steering & Suspension | 4 |
| OSH 222 | General Industry Safety | 1 |

| **AUTOMOTIVE ENGINE PERFORMANCE** | | **12 UNITS** |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 225 | Engine Performance I/Fuel & Ignition | 4 |
| OSH 222 | General Industry Safety | 1 |

# AUTOMOTIVE TECHNOLOGY
## Automotive Mechanics

The Certificate of Achievement and Associate of Applied Science Technology degree provide a broad foundational knowledge through a series of highly technical coursework chosen to align with industry needs for diagnosis and repair. Students who complete either or both of these are well-positioned with the skills and abilities needed for success as an automotive mechanic in a service facility.



## ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - AUTOMOTIVE MECHANICS

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 117 | Advanced Auto Electronics | 4 |
| AUTO 130 | Engine Reconditioning | 3 |
| AUTO 145 | Automotive Brakes | 4 |
| AUTO 155 | Steering & Suspension | 4 |
| AUTO 160 | Auto Air Conditioning and Heating | 3 |
| AUTO 210 | Automatic Transmissions and Transaxles I | 3 |
| AUTO 225 | Engine Performance I/Fuel & Ignition | 4 |
| AUTO 227 | Engine Performance II/Emission Control | 4 |

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement: *Recommended: BUS 107 & 108; Must include a writing course* | 6 |
| Human Relations Requirement: *Recommended: BUS 110* | 3 |
| Humanities/Social Science Requirements | 3 |
| Mathematics Requirement: *Recommended: MATH 110* | 3 |
| Science Requirement | 6 |
| U.S. and Nevada Constitution Requirement | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

### AUTOMOTIVE - Associate of Applied Science Suggested Course Sequence
*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

| FIRST SEMESTER | | Completed | THIRD SEMESTER | | Completed |
|---|---|---|---|---|---|
| AUTO 101 | 3 | ☐ | AUTO 155 | 4 | ☐ |
| AUTO 115 | 4 | ☐ | AUTO 160 | 3 | ☐ |
| AUTO 130 | 3 | ☐ | AUTO 227 | 4 | ☐ |
| BUS 107 | 3 | ☐ | Science Course | 3 | ☐ |
| Mathematics Course | 3 | ☐ | | | |
| **SECOND SEMESTER** | | **Completed** | **FOURTH SEMESTER** | | **Completed** |
| AUTO 117 | 4 | ☐ | AUTO 210 | 3 | ☐ |
| AUTO 145 | 4 | ☐ | BUS 108 | 3 | ☐ |
| AUTO 225 | 4 | ☐ | BUS 110 or Human Relations | 3 | ☐ |
| Humanities/Social Science | 3 | ☐ | Science Course | 3 | ☐ |
| | | | U.S./Nevada Constitution | 3 | ☐ |

## CERTIFICATE OF ACHIEVEMENT - AUTOMOTIVE MECHANICS

| TOTAL REQUIREMENTS | 31 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 19 UNITS |
|---|---|---|
| AUTO 101 | Introduction to General Mechanics | 3 |
| AUTO 115 | Auto Electricity & Electronics I | 4 |
| AUTO 145 | Automotive Brakes | 4 |
| AUTO 155 | Steering & Suspension | 4 |
| AUTO 225 | Engine Performance I/Fuel & Ignition | 4 |

| GENERAL EDUCATION REQUIREMENTS | 12 UNITS |
|---|---|
| English/Communications Requirements: *Must include a writing course* | 6 |
| Human Relations Requirement: *Recommended: BUS 110* | 1 |
| Mathematics Requirement | 3 |
| General Electives | 2 |

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*

### AUTOMOTIVE MECHANICS - Certificate of Achievement Suggested Course Sequence
*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

| FIRST SEMESTER | Completed | SECOND SEMESTER | Completed |
|---|---|---|---|
| AUTO 101 | 3 ☐ | AUTO 155 | 4 ☐ |
| AUTO 115 | 4 ☐ | AUTO 225 | 4 ☐ |
| AUTO 145 | 4 ☐ | Mathematics Course | 3 ☐ |
| English Course | 3 ☐ | English Course | 3 ☐ |
| Human Relations Course | 1 ☐ | General Elective Course | 2 ☐ |

### ACCREDITING AGENCY



### PROGRAM PARTNERS

# BUSINESS
# Business/Real Estate/Bookkeeping

Prepare for career entry or advancement in accounting, business, management and marketing. Students develop knowledge, skills and abilities to succeed in today's dynamic business environment. WNC offers Associate of Applied Science degrees for direct entry into the business world or an Associate of Business degree that transfers to four-year institutions.

**MISSION:** The purpose of the AAS Business degree is to provide the knowledge and skills necessary to be a successful manager.

**STUDENT LEARNING OUTCOMES:** Students will be able to:

- Articulate and demonstrate their personal employment-related knowledge, skills and abilities.

- Evaluate the impact of various economic systems and policies.

- Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making.

- Devise, implement and evaluate managerial decisions, actions and outcomes.

- Apply technology to aid in communications and decision-making.

- Present research, data, analysis and conclusions through written and oral means.

- Describe the changing landscape of the global market and its impact on the United States.

- Summarize the impact of social, ethical, legal and diversity issues within contemporary business.

- Develop business, financial and marketing plans for established and emerging businesses.

## CERTIFICATE OF ACHIEVEMENT - BUSINESS

Provides students with knowledge and skills for employment in a wide variety of occupations in the field of business.

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 15 UNITS |
|---|---|---|
| ACC 135 | Bookkeeping I | 3 |
| or ACC 201 | Financial Accounting | |
| BUS 101 | Introduction to Business | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| or IS 201 | Computer Applications | |
| MKT 210 | Marketing Principles | 3 |
| MGT 201 | Principles of Management | 3 |

| BUSINESS ELECTIVES | 6 UNITS |
|---|---|

*Any Accounting, Business, Economics, Entrepreneurship, Finance, Management Marketing or Real Estate courses*

| GENERAL EDUCATION REQUIREMENTS | 9 UNITS |
|---|---|
| English/Communications Requirements: *Recommended: BUS 107 and BUS 108, or ENG 101 and ENG 102, must be a writing course* | 6 |
| Mathematics Requirement | 3 |

| BUSINESS - Certificate of Achievement Suggested Course Sequence | | | |
|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| ACC 135 or ACC 201 | 3 ☐ | BUS 108 or ENG 102 | 3 ☐ |
| BUS 101 | 3 ☐ | BUS 115 or MATH 120 | 3 ☐ |
| BUS 107 or ENG 101 | 3 ☐ | MGT 201 | 3 ☐ |
| IS 101 or IS 201 | 3 ☐ | MKT 210 | 3 ☐ |
| Business Elective | 3 ☐ | Business Elective | 3 ☐ |

*A list of all courses filling general education requirements for Certificates of Achievement can be found on the Certificate of Achievement page.*



## SKILLS CERTIFICATE - REAL ESTATE

WNC offers courses to prepare students for licensure by the Nevada Real Estate Division.

| | | 8 UNITS |
|---|---|---|
| RE 101 | Real Estate Principles | 4 |
| RE 103 | Real Estate Principles II | 4 |

## CERTIFICATE OF ACHIEVEMENT - BOOKKEEPING

Designed for students who wish to enter the accounting profession as an accounting clerk or as an entry level bookkeeper. It allows students to obtain credit for courses that will also apply toward the Associate of Applied Science degree in Business-Accounting.

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| ACC 135 | Bookkeeping I | 3 |
| ACC 201 | Financial Accounting | 3 |
| BUS 101 | Introduction to Business | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| or IS 201 | Computer Applications | |
| MGT 201 | Principles of Management | 3 |

***Choose 6 units from the following program electives:***

| ACC 180 | Payroll & Employee Benefit Accounting | 3 |
|---|---|---|
| ACC 202 | Managerial Accounting | 3 |
| ACC 203 | Intermediate Accounting I | 3 |
| ACC 220 | Microcomputer Accounting Systems | 3 |
| ACC 223 | Introduction to QuickBooks | 3 |
| ACC 290 | Certified Bookkeeper Course | 6 |

| GENERAL EDUCATION REQUIREMENTS | 9 UNITS |
|---|---|
| English/Communications Requirements: *Recommended: BUS 107, BUS 108; Must include a writing course* | 6 |
| Mathematics Requirement | 3 |

| BOOKKEEPING - Certificate of Achievement Suggested Course Sequence | | | |
|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| ACC 135 | 3 ☐ | ACC 201 | 3 ☐ |
| BUS 101 | 3 ☐ | BUS 108 or ENG/COMM | 3 ☐ |
| BUS 107 or ENG/COMM | 3 ☐ | MGT 201 | 3 ☐ |
| BUS 115 or MATH 120 | 3 ☐ | Bookkeeping Elective | 6 ☐ |
| IS 101 or IS 201 | 3 ☐ | | |

*Sequences based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

# BUSINESS
# Accounting

## ASSOCIATE OF APPLIED SCIENCE DEGREE - ACCOUNTING

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

### CORE BUSINESS REQUIREMENTS — 30 UNITS

| | | |
|---|---|---|
| ACC 201 | Financial Accounting | 3 |
| ACC 202 | Managerial Accounting | 3 |
| BUS 101 | Introduction to Business | 3 |
| BUS 273 | Business Law I | 3 |
| BUS 299 | Business Capstone | 3 |
| ECON 102 | Principles of Microeconomics | 3 |
| ECON 103 | Principles of Macroeconomics | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| or IS 201 | Computer Applications | |
| MGT 201 | Principles of Management | 3 |
| MKT210 | Marketing Principles | 3 |

### ACCOUNTING DEGREE REQUIREMENTS — 6 UNITS

| | | |
|---|---|---|
| ACC 203 | Intermediate Accounting | 3 |
| ACC 220 | Microcomputer Accounting Systems | 3 |
| or ACC 223 | Introduction to QuickBooks | |

### ACCOUNTING ELECTIVES — 9 UNITS
*Choose 9 units from the following:*

| | | |
|---|---|---|
| ACC 105 | Taxation for Individuals | 3 |
| ACC 180 | Payroll & Employee Benefit Accounting | 3 |
| ACC 204 | Intermediate Accounting II | 3 |
| ACC 220 | Microcomputer Accounting Systems | 3 |
| ACC 223 | Introduction to QuickBooks | 3 |
| ACC 261 | Governmental Accounting | 3 |
| ACC 290 | Certified Bookkeeper Course | 6 |
| ACC 295 | Work Experience I | 3 |
| COT 262 | Intermediate Spreadsheets Concepts | 3 |
| ECON 261* | Principles of Statistics I | 3 |
| ECON 262* | Principles of Statistics II | 3 |

### GENERAL EDUCATION REQUIREMENTS — 15 UNITS

English/Communications Requirement: *Recommended: BUS 107, BUS 108;*
*or ENG 101*, ENG 102*; must include a writing course*   6
Mathematics Requirement   3
Science Requirement   3
U.S. and Nevada Constitution Requirement   3
*\*Recommended for students who plan to transfer and enroll in a bachelor's degree program.*

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*
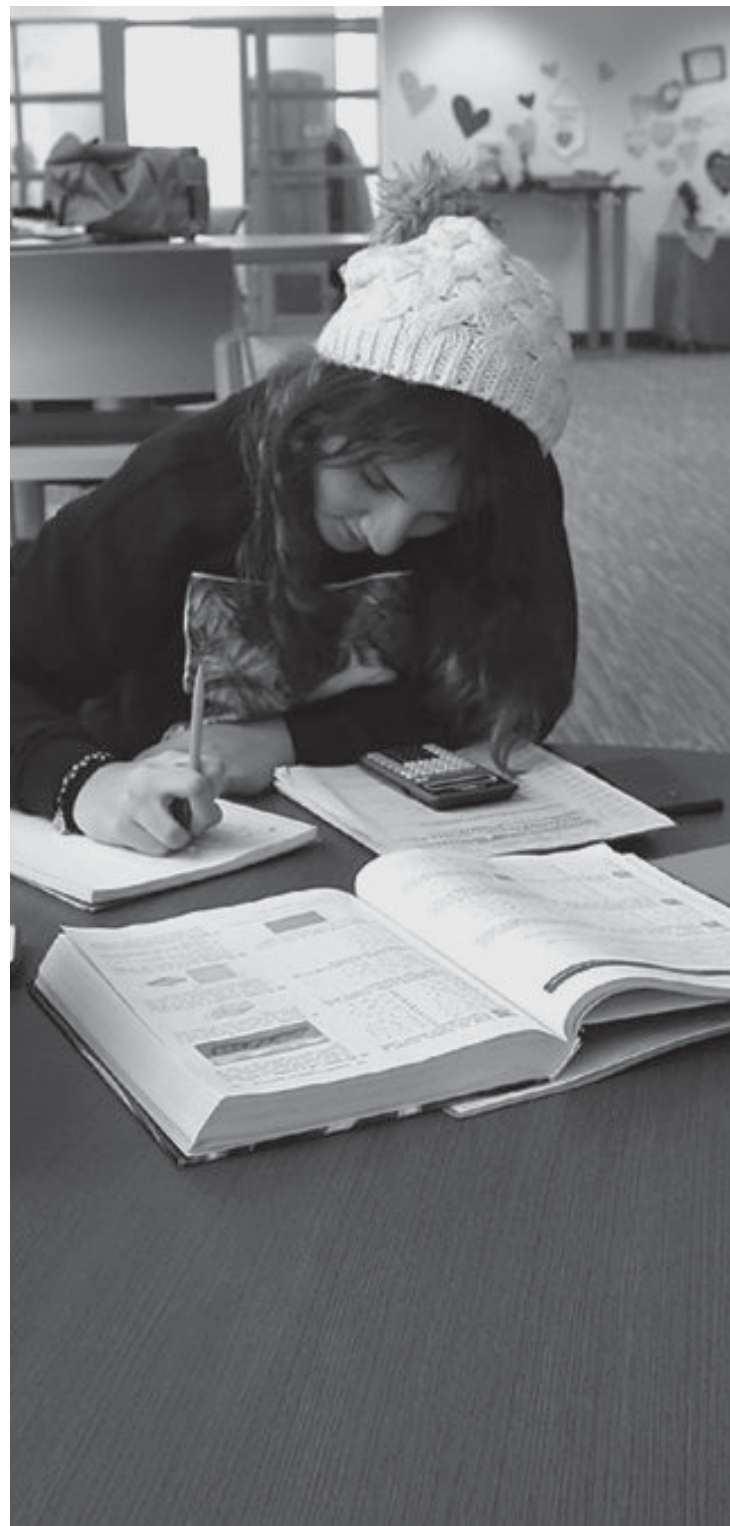
### ACCOUNTING - ON CAMPUS OR ONLINE
**Associate of Applied Science Suggested Course Sequence**

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| ACC 201 | 3 ☐ | ACC 203 | 3 ☐ |
| BUS 107 or ENG 101 | 3 ☐ | BUS 273 | 3 ☐ |
| BUS 101 | 3 ☐ | Science Requirement | 3 ☐ |
| ECON 102 | 3 ☐ | Accounting Elective | 3 ☐ |
| IS 101 or IS 201 | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* |
| ACC 202 | 3 ☐ | ACC 220 or ACC 223 | 3 ☐ |
| MATH: BUS 115 or | | BUS 299 | 3 ☐ |
| MATH 120 or higher | 3 ☐ | Accounting Elective | 6 ☐ |
| BUS 108 or ENG 102 | 3 ☐ | MKT 210 | 3 ☐ |
| ECON 103 | 3 ☐ | | |
| MGT 201 | 3 ☐ | | |

**College on your time and schedule**
**EARN THIS DEGREE ONLINE**

# BUSINESS
# General Business/Management

## ASSOCIATE OF APPLIED SCIENCE DEGREE - GENERAL BUSINESS

| TOTAL REQUIREMENTS | | 60 UNITS |
|---|---|---|

**CORE BUSINESS REQUIREMENTS** — **24 UNITS**

| | | |
|---|---|---|
| BUS 101 | Introduction to Business | 3 |
| BUS 273 | Business Law I | 3 |
| BUS 299 | Business Capstone | 3 |
| ECON 102 | Principles of Microeconomics | 3 |
| ECON 103 | Principles of Macroeconomics | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| or IS 201 | Computer Applications | |
| MGT 201 | Principles of Management | 3 |
| MKT 210 | Marketing Principles | 3 |

**ACCOUNTING REQUIREMENTS** — **6 UNITS**

| | | |
|---|---|---|
| ACC 201 | Financial Accounting | 3 |
| & ACC 135 | Bookkeeping I | 3 |
| or ACC 202* | Managerial Accounting | |

**BUSINESS ELECTIVES - IN THREE DIFFERENT AREAS** — **15 UNITS**

*Any Accounting, Business, Economics, Entrepreneurship, Finance, Management, Marketing or Real Estate courses*

**GENERAL EDUCATION REQUIREMENTS** — **15 UNITS**

| | |
|---|---|
| English/Communications Requirement *Recommended: BUS 107, BUS 108;* | |
| *or ENG 101\*, ENG 102\*; must include a writing course* | 6 |
| Mathematics Requirement | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |

*\*Recommended for students who plan to transfer and enroll in a bachelor's degree program.*

| BUSINESS - ON CAMPUS<br>Associate of Applied Science<br>Suggested Course Sequence | | BUSINESS - ONLINE<br>Associate of Applied Science<br>Suggested Course Sequence | |
|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **FIRST SEMESTER** | *Completed* |
| ACC 135 or ACC 201 | 3 ☐ | ACC 135 or ACC 201 | 3 ☐ |
| BUS 101 | 3 ☐ | BUS 101 | 3 ☐ |
| BUS 107 or ENG 101 | 3 ☐ | BUS 108 or ENG 101 | 3 ☐ |
| IS 101 or IS 201 | 3 ☐ | IS 101 or IS 201 | 3 ☐ |
| ECON 102 | 3 ☐ | ECON 102 | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| ACC 201 or ACC 202 | 3 ☐ | ACC 201 or ACC 202 | 3 ☐ |
| BUS 108 or ENG 102 | 3 ☐ | BUS 107 or ENG 102 | 3 ☐ |
| BUS 115 or MATH 120 | 3 ☐ | BUS 115 or MATH 120 | 3 ☐ |
| ECON 103 | 3 ☐ | ECON 103 | 3 ☐ |
| MGT 201 | 3 ☐ | MGT 201 | 3 ☐ |
| **THIRD SEMESTER** | *Completed* | **THIRD SEMESTER** | *Completed* |
| BUS 273 | 3 ☐ | MKT 210 | 3 ☐ |
| U.S./Nevada Constitution | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| Business Elective | 6 ☐ | Business Elective | 6 ☐ |
| Science Course | 3 ☐ | Science Course | 3 ☐ |
| **FOURTH SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* |
| Business Electives | 9 ☐ | Business Electives | 9 ☐ |
| BUS 299 | 3 ☐ | BUS 273 | 3 ☐ |
| MKT 210 | 3 ☐ | BUS 299 | 3 ☐ |

🖥️ **EARN THESE DEGREES ONLINE**

## ASSOCIATE OF APPLIED SCIENCE DEGREE - MANAGEMENT

| TOTAL REQUIREMENTS | | 60 UNITS |
|---|---|---|

**CORE BUSINESS REQUIREMENTS** — **30 UNITS**

| | | |
|---|---|---|
| ACC 201 | Financial Accounting | 3 |
| ACC 202 | Managerial Accounting | 3 |
| BUS 101 | Introduction to Business | 3 |
| BUS 273 | Business Law I | 3 |
| BUS 299 | Business Capstone | 3 |
| ECON 102 | Principles of Microeconomics | 3 |
| ECON 103 | Principles of Macroeconomics | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| or IS 201 | Computer Applications | |
| MGT 201 | Principles of Management | 3 |
| MKT 210 | Marketing Principles | 3 |

**MANAGEMENT REQUIREMENTS** — **6 UNITS**

| | | |
|---|---|---|
| MGT 235 | Organizational Behavior | 3 |
| MGT 283 | Introduction to Human Resources Management | 3 |

**MANAGEMENT ELECTIVES** — **9 UNITS**

*Any Business, Management or Marketing courses*

**GENERAL EDUCATION REQUIREMENTS** — **15 UNITS**

| | |
|---|---|
| English/Communications Requirement *Recommended: BUS 107, BUS 108;* | |
| *or ENG 101\*, ENG 102\*; Must include a writing course* | 6 |
| Mathematics Requirement | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |

*\*Recommended for students who plan to transfer and enroll in a bachelor's degree program.*

| MANAGEMENT - ON CAMPUS<br>Associate of Applied Science<br>Suggested Course Sequence | | MANAGEMENT - ONLINE<br>Associate of Applied Science<br>Suggested Course Sequence | |
|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **FIRST SEMESTER** | *Completed* |
| ACC 201 | 3 ☐ | ACC 201 | 3 ☐ |
| BUS 101 | 3 ☐ | BUS 101 | 3 ☐ |
| BUS 107 or ENG 101 | 3 ☐ | BUS 107 or ENG 101 | 3 ☐ |
| ECON 102 | 3 ☐ | ECON 102 | 3 ☐ |
| IS 101 or IS 201 | 3 ☐ | IS 101 or IS 201 | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| ACC 202 | 3 ☐ | ACC 202 | 3 ☐ |
| BUS 108 or ENG 102 | 3 ☐ | BUS 108 or ENG 102 | 3 ☐ |
| MGT 201 | 3 ☐ | MGT 201 | 3 ☐ |
| ECON 103 | 3 ☐ | ECON 103 | 3 ☐ |
| Science Requirement | 3 ☐ | Science Requirement | 3 ☐ |
| **THIRD SEMESTER** | *Completed* | **THIRD SEMESTER** | *Completed* |
| BUS 115 or MATH 120 *or higher* | 3 ☐ | BUS 115 or MATH 120 *or higher* | 3 ☐ |
| MGT 235 | 3 ☐ | MGT 235 | 3 ☐ |
| MKT 210 | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| Management Elective | 6 ☐ | Management Elective | 6 ☐ |
| **FOURTH SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* |
| BUS 273 | 3 ☐ | BUS 273 | 3 ☐ |
| BUS 299 | 3 ☐ | BUS 299 | 3 ☐ |
| MGT 283 | 3 ☐ | MKT 210 | 3 ☐ |
| Management Elective | 3 ☐ | MGT 283 | 3 ☐ |
| U.S./Nevada Constitution | 3 ☐ | Management Elective | 3 ☐ |

*Note: Sequences are based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

# COMPUTER INFORMATION TECHNOLOGY
# Industry-Aligned Skills Certificates

Computer Information Technology (CIT) is the use and study of computers, networks, computer languages and databases within an organization to solve real problems to maintain functionality. In today's digitally focused economy, CIT career opportunities are abundant and expanding. According to the US Bureau of Labor Statistics (BLS), web development jobs alone are projected to grow as much as 30% by 2031.
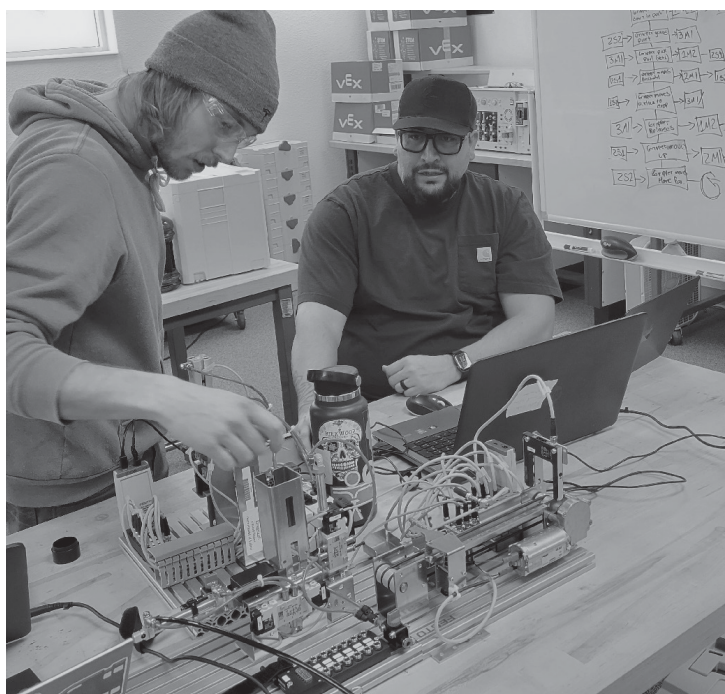
This course of study is designed to prepare students for a variety of specializations that are vital to today's collaborative and connected business environments. Topics of focus will include programming, networking, server administration, information security, database design and development, systems analysis and designing, and web development. For career success, the most important skills students can develop are continuing to learn as technology advances and the ability to adapt quickly as industry changes.

Students can start their course of study with any of the Skills Certificates, stacking them on top of each other as they determine their area of interest. Students may also start with an Associate of Applied Science emphasis in mind and, working with an advisor or CIT instructor, plan backward to identify a starting point.

**MISSION:** The mission of the Associate of Applied Science in Technology degree is to provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science in Technology degree are expected to:

- Know the subject matter appropriate to the emphasis of the degree.
- Communicate effectively and appropriately, in oral and written form.
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.
- Acquire skills and perform tasks necessary for employment or career enhancement.
- Develop an appreciation of the importance of social, ethical, legal and diversity issues.
- Develop an appreciation of the need and importance of lifelong learning.



## SKILLS CERTIFICATE - IT SECURITY - ETHICAL HACKING

This program will prepare students to find vulnerabilities in information systems. Students completing the program will be prepared for the following industry certifications exams: CompTIA Network+, EC-Council Certified Network Defender and EC-Council Certified Ethical Hacker. Students will also be eligible to take the TestOut curriculum Pro series exams.

| | | 13 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 273 | Network Defense | 3 |
| CIT 274 | Ethical Hacking | 3 |

## SKILLS CERTIFICATE - IT CISCO ROUTING & SWITCHING

In this program, students will develop the skills to plan, prepare, operate, monitor, and troubleshoot complex converged networks. Students will be prepared for the following industry certifications exams: CompTIA A+, CompTIA Network+ and Cisco CCNA Route and Switch. Students will also be eligible to take TestOut curriculum Pro series exams.

| | | 15 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 220 | Routing and Switching | 4 |

## SKILLS CERTIFICATE - FRONT END DEVELOPER

This program will provide the foundation for website development, preparing students for the following industry certifications exams: CompTIA A+, CompTIA Network+ and CIT Site Developer Associate. Students will also be eligible to take the TestOut Pro series exams.

| | | 14 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 151 | Beginning Web Development | 3 |

## SKILLS CERTIFICATE - IT SECURITY: GENERAL SECURITY

In this program, students will learn the baseline skills needed to perform core security functions needed for entry level positions. Students completing the program will be prepared for the following industry certifications exams: CompTIA Network+, CompTIA Linux+ and CompTIA Security+. Students will also be eligible to take the TestOut curriculum Pro series exams.

| | | 13 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 173 | Introduction to Linux | 3 |
| CIT 217 | Security+ | 3 |

# COMPUTER INFORMATION TECHNOLOGY
## Industry-Aligned Skills Certificates

### SKILLS CERTIFICATE - CYBERSECURITY

A next step after completing General Security, this program offers preparation for the EC-Council Certified Network Defender, Certified Ethical Hacker and Computer Hacking Forensics Investigator.

| | | 12 UNITS |
|---|---|---|
| CIT 217 | Security+ | 3 |
| CIT 273 | Network Defense | 3 |
| CIT 274 | Ethical Hacker | 3 |
| CIT 275 | Hacking Forensics Investigation | 3 |

### SKILLS CERTIFICATE - MICROSOFT CERTIFIED TECHNOLOGY SPECIALIST (MCTS)

The Microsoft Certified Technology Specialist (MCTS) certification program is designed to give students the skills needed to implement a Microsoft product or technology as part of an organization's business solution.

| | | 12 UNITS |
|---|---|---|
| CIT 211 | Microsoft Operating System Management | 3 |
| CIT 212 | Microsoft Networking II | 3 |
| CIT 213 | Microsoft Networking III | 3 |
| CIT 214 | Microsoft Azure Administration | 3 |

### SKILLS CERTIFICATE - IT ESSENTIALS

This program will provide a solid foundation for students to continue in any area of study based on personal or professional interest. Students will be prepared for the following industry certifications exams: CompTIA A+ and CompTIA Network+. Students will also be eligible to take TestOut Pro series exams.

| | | 11 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |

### SKILLS CERTIFICATE - IT PROJECT MANAGEMENT

IT project management includes overseeing projects for software development, hardware installations, network upgrades, cloud computing and virtualization rollouts, business analytics and data management projects and implementing IT services. In this program, students will be prepared for the following industry certifications exams: Microsoft MOS certification(s), CompTIA Project+, PMI CAPM. Students will also be eligible to take the TestOut curriculum Pro series exam.

| | | 13 UNITS |
|---|---|---|
| CIT 128 | Introduction to Software Development | 4 |
| CIT 263 | Introduction to IT Project Management | 3 |
| IS 101 | Introduction to Information Systems | 3 |
| COM 101 | Oral Communications | 3 |

### SKILLS CERTIFICATE - NETWORK SUPPORT

In this program, students will learn how to keep computer networks running efficiently. Students will be prepared for the following industry certification exams: CompTIA A+, CompTIA Network+ and Wireshark Certified Network Analyst. Students will also be eligible to take the TestOut curriculum Pro series exam.

| | | 15 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 270 | Network Tools | 4 |

### SKILLS CERTIFICATE - SECONDARY EDUCATION ENDORSEMENT - PROGRAMMING

This program satisfies the programming requirement for licensed secondary educators in Nevada to add the Advanced Computer Science endorsement, allowing them to teach high school computer science courses. Coursework can be completed online. Students will be prepared for the following industry certifications exams: Python Institute's PCEP – Certified Entry-Level Python Programmer and PCAP – Certified Associate in Python Programming certifications.

| | | 10 UNITS |
|---|---|---|
| CIT 128 | Introduction to Software Development | 4 |
| CIT 148 | Beginning Python Programming | 3 |
| CIT 248 | Advanced Python Programming | 3 |

# COMPUTER INFORMATION TECHNOLOGY
## Certificate of Achievement and Degree

### CERTIFICATE OF ACHIEVEMENT - COMPUTER INFORMATION TECHNOLOGY

The Certificate of Achievement in Computer Information Technology allows a student to gain foundational knowledge and earn different industry recognized certifications that align with specific job opportunities in a variety of technology areas such as programming, front end or back end developer, networking, cybersecurity, IT program management and other emerging fields. Students may pursue different areas of personal or professional interests based on their choice of electives.

| TOTAL REQUIREMENTS | | 30 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security + | 3 |

*Choose 7 units from the following program electives:*
Any Computer Information Technology (CIT) course (units vary)

| INF 100 | Introduction to Informatics I - Basic Concepts | 3 |
|---|---|---|
| CS 135 | Computer Science I | 3 |
| CS 202 | Computer Science II | 3 |

| GENERAL EDUCATION REQUIREMENTS | 9 UNITS |
|---|---|
| English/Communications *Must include a writing course* | 3 |
| Mathematics | 3 |
| Human Relations | 3 |

**COMPUTER INFORMATION TECHNOLOGY - Certificate of Achievement**
**Suggested Course Sequence**

| FIRST SEMESTER | Completed | SECOND SEMESTER | Completed |
|---|---|---|---|
| CIT 112 | 3 ☐ | CIT 217 | 3 ☐ |
| CIT 114 | 4 ☐ | CIT Elective | 7 ☐ |
| CIT 128 | 4 ☐ | Mathematics | 3 ☐ |
| English/Communications | 3 ☐ | Human Relations | 3 ☐ |

## INDUSTRY CERTIFICATIONS



### ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - COMPUTER INFORMATION TECHNOLOGY

Students may earn a general degree in CIT by completing the program requirements and any combination of electives. Students who wish to specialize may choose an area of emphasis and complete the specific electives for each. The four emphasis areas are Front End Development, Back End Developer, Cybersecurity and Programming.

Students should meet with an advisor or faculty member in the CIT department for assistance selecting a degree pathway.

| TOTAL REQUIREMENTS | | 60 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |

**PROGRAM ELECTIVES**
*Choose 19 units from the following:*

| Any Computer Information Technology (CIT) course | units vary |
|---|---|
| Any Information Systems (IS) course | units vary |
| INF 100    Introduction to Informatics I – Basic Concepts | 3 |
| CS 135    Computer Science I | 3 |
| CS 202    Computer Science II | 3 |

*Students can select program electives from at least one designated emphasis, as listed on the next two pages, based on individual student interests, career goals, etc.\**

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement *Must include a writing course* | 6 |
| Mathematics Requirement *Recommended MATH 124* | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. & Nevada Constitution Requirement | 3 |
| General Elective | 3 |

*\*Students should meet with an advisor or faculty member in the CIT department for assistance with selecting degree pathways.*

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

**COMPUTER INFORMATION TECHNOLOGY - Associate of Applied Science**
**Suggested Course Sequence**

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| CIT 114 | 4 ☐ | CIT 217 | 3 ☐ |
| CIT 112 | 3 ☐ | Program Electives | 6 ☐ |
| CIT 128 | 4 ☐ | Math Course | 3 ☐ |
| ENG 101 | 3 ☐ | Human Relations Course | 3 ☐ |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | **Completed** |
| CIT 263 | 3 ☐ | Program Electives | 7 ☐ |
| Program Electives | 6 ☐ | Humanities/Social Science | 3 ☐ |
| ENG 102 or 107 | 3 ☐ | General Elective | 3 ☐ |
| Science Course | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |

# COMPUTER INFORMATION TECHNOLOGY
# Industry-Aligned Emphases

Students may earn a general degree in CIT by completing the program requirements and any combination of electives. Students who wish to specialize may choose an area of emphasis and complete the specific electives for each. The four emphasis areas are **Front End Development**, **Back End Developer**, **Cybersecurity** and **Programming**. Students should meet with an advisor or faculty member in the CIT department for assistance selecting a degree pathway.

## FRONT END DEVELOPER EMPHASIS

Front end developers ensure that website visitors can easily interact with the page. This program emphasis will allow students to develop the combination of skills needed to code a website, including design, technology, programming and debugging.

| TOTAL REQUIREMENTS | 62 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 41 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |

**FRONT END DEVELOPER EMPHASIS REQUIREMENTS**

| | | |
|---|---|---|
| CIT 151 | Beginning Web Development | 3 |
| CIT 152 | Web Script Language Programming | 3 |
| CIT 251 | Advanced Web Development | 3 |
| CIT 130 | Beginning Java | 3 |
| or CIT 148 | Beginning Python Programming | |
| INF 100 | Introduction to Informatics – Basic Concepts | 3 |
| CIT 180 | Database Concepts and SQL | 3 |

**PROGRAM ELECTIVE** – *choose 6 units from the following:*

| | | |
|---|---|---|
| CIT 230 | Advanced Java | 3 |
| or CIT 248 | Advanced Python Programming | |
| CIT 134 | Beginning C# Programming | 3 |

| GENERAL EDUCATION REQUIREMENTS | 21 UNITS |
|---|---|
| English/Communications *Must include a writing course* | 6 |
| Mathematics Requirement: Recommended MATH 124 | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. & Nevada Constitution Requirement | 3 |

**FRONT END DEVELOPER EMPHASIS - Suggested Course Sequence**

| FIRST SEMESTER | | Completed | THIRD SEMESTER | | Completed |
|---|---|---|---|---|---|
| CIT 114 | 4 | ☐ | CIT 112 | 3 | ☐ |
| CIT 128 | 4 | ☐ | CIT 217 | 3 | ☐ |
| ENG 101 | 3 | ☐ | CIT 134 | 3 | ☐ |
| Math Course | 3 | ☐ | CIT 180 | 3 | ☐ |
| Human Relations Course | 3 | ☐ | ENG 102 or 107 | 3 | ☐ |
| SECOND SEMESTER | | Completed | FOURTH SEMESTER | | Completed |
| CIT 151 | 3 | ☐ | CIT 251 | 3 | ☐ |
| CIT 152 | 3 | ☐ | CIT 263 | 3 | ☐ |
| INF 100 | 3 | ☐ | CIT 230 or 248 | 3 | ☐ |
| CIT 130 or 148 | 3 | ☐ | Humanities/Social Science | 3 | ☐ |
| Science Course | 3 | ☐ | U.S./Nevada Constitution | 3 | ☐ |

## BACK END DEVELOPER EMPHASIS

Back end developers build and maintain the mechanisms that process data and perform the unseen actions on websites. This program emphasis will allow students to develop critical skills in data storage, security and various server-side functions.

| TOTAL REQUIREMENTS | 64 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 43 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |

**BACK END DEVELOPER EMPHASIS REQUIREMENTS**

| | | |
|---|---|---|
| CIT 220 | Routing and Switching | 4 |
| CIT 270 | Network Tools | 4 |
| CIT 130 | Beginning Java | 3 |
| CIT 148 | Beginning Python Programming | 3 |
| CIT 230 | Advanced Java | |
| or CIT 248 | Advanced Python Programming | 3 |

| PROGRAM ELECTIVE - SYSTEM ADMINISTRATION | 6 |
|---|---|

*Choose 6 units from the following:*

| | |
|---|---|
| CIT 211 | Microsoft Operating System Management |
| CIT 212 | Microsoft Networking II |
| CIT 214 | Microsoft Azure Administration |
| CIT 173 | Introduction to Linux |

| PROGRAM ELECTIVE - DATABASE | 3 |
|---|---|

*Choose 3 units from the following:*

| | |
|---|---|
| CIT 180 | Database Concepts and SQL |
| INF 100 | Introduction to Informatics |

| GENERAL EDUCATION REQUIREMENTS | 21 UNITS |
|---|---|
| English/Communications *Must include a writing course* | 6 |
| Mathematics Requirement: Recommended MATH 124 | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. & Nevada Constitution Requirement | 3 |

**BACK END DEVELOPER EMPHASIS - Suggested Course Sequence**

| FIRST SEMESTER | | Completed | THIRD SEMESTER | | Completed |
|---|---|---|---|---|---|
| CIT 114 | 4 | ☐ | CIT 112 | 3 | ☐ |
| CIT 128 | 4 | ☐ | CIT 217 | 3 | ☐ |
| ENG 101 | 3 | ☐ | CIT 148 | 3 | ☐ |
| Math Course | 3 | ☐ | CIT 180 | 3 | ☐ |
| Human Relations Course | 3 | ☐ | ENG 102 or 107 | 3 | ☐ |
| SECOND SEMESTER | | Completed | FOURTH SEMESTER | | Completed |
| CIT 220 | 4 | ☐ | CIT 230 or 248 | 3 | ☐ |
| CIT 130 | 3 | ☐ | CIT 263 | 3 | ☐ |
| CIT 211 | 3 | ☐ | CIT 212 | 3 | ☐ |
| Humanities/Social Science | 3 | ☐ | CIT 270 | 4 | ☐ |
| Science Course | 3 | ☐ | U.S./Nevada Constitution | 3 | ☐ |

# COMPUTER INFORMATION TECHNOLOGY
## Industry-Aligned Emphases

## CYBERSECURITY EMPHASIS

Specialists in cybersecurity plan and execute security measures to shield computer systems, networks and networked devices from external threats, infiltration and cyberattacks. Students earning this program emphasis will understand how to prevent, monitor and respond to data breaches and cyberattacks.

| TOTAL REQUIREMENTS | 61 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 40 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |

**CYBERSECURITY EMPHASIS REQUIREMENTS:**

| | | |
|---|---|---|
| CIT 220 | Routing and Switching | 4 |
| CIT 270 | Network Tools | 4 |
| CIT 273 | Network Defense | 3 |
| CIT 274 | Ethical Hacking | 3 |
| CIT 275 | Hacking Forensics Investigation | 3 |

| PROGRAM ELECTIVE – SYSTEM ADMINISTRATION | | 6 |
|---|---|---|

*Choose 6 units from the following:*

| | | |
|---|---|---|
| CIT 211 | Microsoft Operating System Management | |
| CIT 212 | Microsoft Networking II | |
| CIT 214 | Microsoft Azure Administration | |
| CIT 173 | Introduction to Linux | |

| GENERAL EDUCATION REQUIREMENTS | 21 UNITS |
|---|---|
| English/Communications (Must include a writing course) | 6 |
| Mathematics Requirement: Recommended MATH 124 | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. & Nevada Constitution Requirement | 3 |

### CYBERSECURITY EMPHASIS - Suggested Course Sequence

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| CIT 114 | 4 ☐ | CIT 112 | 3 ☐ |
| CIT 128 | 4 ☐ | CIT 217 | 3 ☐ |
| ENG 101 | 3 ☐ | CIT 212 | 3 ☐ |
| Math Requirement | 3 ☐ | ENG 102 or 107 | 3 ☐ |
| Human Relations | 3 ☐ | | |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | **Completed** |
| CIT 220 | 4 ☐ | CIT 270 | 4 ☐ |
| CIT 173 | 3 ☐ | CIT 263 | 3 ☐ |
| CIT 273 | 3 ☐ | CIT 275 | 3 ☐ |
| CIT 274 | 3 ☐ | Humanities/Social Science | 3 ☐ |
| Science Requirement | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
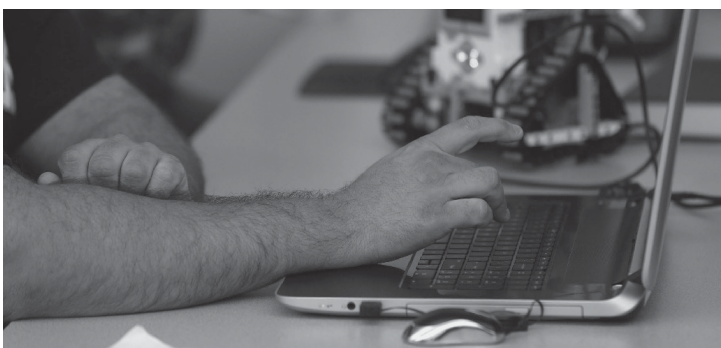
## PROGRAMMING EMPHASIS

In today's digital world, programmers play an important role in writing code for computer programs and applications that improve efficiencies. As well, programmers are involved in maintaining, debugging and troubleshooting systems and software to ensure smooth operations.

| TOTAL REQUIREMENTS | 62 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 41 UNITS |
|---|---|---|
| CIT 112 | Network+ | 3 |
| CIT 114 | IT Essentials | 4 |
| CIT 128 | Introduction to Software Development | 4 |
| CIT 217 | Security+ | 3 |
| CIT 263 | Introduction to IT Project Management | 3 |

**PROGRAMMING EMPHASIS REQUIREMENTS:**

| | | |
|---|---|---|
| CIT 130 | Beginning Java | 3 |
| CIT 148 | Beginning Python Programming | 3 |

| PROGRAM ELECTIVE – PROGRAMMING *Choose 3 units from the following:* | | 3 |
|---|---|---|
| CIT 134 | Beginning C# Programming | |
| CIT 230 | Advanced Java | |
| CIT 248 | Advanced Python Programming | |
| CS 135 | Computer Science I | |

| PROGRAM ELECTIVE – WEB DEVELOPMENT *Choose 3 units from the following:* | | 3 |
|---|---|---|
| CIT 151 | Beginning Web Development | |
| CIT 152 | Web Script Language Programming | |
| CIT 251 | Advanced Web Development | |

| PROGRAM ELECTIVE – DATABASE *Choose 3 units from the following:* | | 3 |
|---|---|---|
| CIT 180 | Database Concepts and SQL | |
| INF 100 | Introduction to Informatics I – Basic Concepts | |

| PROGRAM ELECTIVE – SPECIALTY *Choose 6 units from the following:* | | 6 |
|---|---|---|
| CIT 280 | Introduction to Blockchain Concepts | |
| CIT 281 | Intermediate Blockchain Concepts | |
| CIT 284 | Unity Programming I | |
| CIT 285 | Unity Programming II | |

**DEPARTMENT ELECTIVE**

| | |
|---|---|
| Any Computer Information Technology (CIT) course | 3 |

| GENERAL EDUCATION REQUIREMENTS | 21 UNITS |
|---|---|
| English/Communications (Must include a writing course) | 6 |
| Mathematics Requirement: Recommended MATH 124 | 3 |
| Science Requirement | 3 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| U.S. & Nevada Constitution Requirement | 3 |

### PROGRAMMING EMPHASIS - Suggested Course Sequence

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| CIT 114 | 4 ☐ | CIT 112 | 3 ☐ |
| CIT 128 | 4 ☐ | CIT 217 | 3 ☐ |
| ENG 101 | 3 ☐ | CIT 148 | 3 ☐ |
| Math Requirement | 3 ☐ | ENG 102 or 107 | 3 ☐ |
| Human Relations Requirement | 3 ☐ | Humanities/Social Science | 3 ☐ |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | **Completed** |
| CIT 130 | 3 ☐ | CIT 263 | 3 ☐ |
| CIT 134 | 3 ☐ | CIT 285 | 3 ☐ |
| CIT 151 | 3 ☐ | CIT 180 | 3 ☐ |
| CIT 284 | 3 ☐ | Department Elective | 3 ☐ |
| Science Requirement | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |

# CONSTRUCTION TECHNOLOGY
# Construction & Building Trades

WNC's Construction program provides training for a wide range of skills and certifications needed for entry and advancement in the building trades industry. Students will study contract administration, job coordination, negotiation and communication, quality control, and management of resources to include labor, equipment, materials and budget.

## SKILLS CERTIFICATE - CONSTRUCTION GATEWAY

These courses prepare students with the basic knowledge and skills needed on any jobsite. Upon successful completion, students are eligible to take the Construction Craft Laborer credential exam offered by the National Center for Construction Education and Research (NCCER).

| | | 15 UNITS |
|---|---|---|
| CEM 100 | Fundamentals of Construction Management | 3 |
| CONS 108 | Construction Methods/Materials I | 4 |
| CONS 120 | Blueprint Reading and Specification | 3 |
| CONS 205 | Construction Safety | 2 |
| MATH 110 | Mathematics for Industry | 3 |

## SKILLS CERTIFICATE - CONSTRUCTION SKILLS

This certificate builds on the Construction Gateway, teaching more advanced construction methods, understanding building codes and reaching contract documents. The required internship allows students to apply new concepts in a work environment (for those already working, this can be aligned with current job responsibilities).

| | | 15 UNITS |
|---|---|---|
| BUS 107 or ENG 101 | Business Speech Communications Composition I | 3 |
| CONS 109 | Construction Methods/Materials II | 4 |
| CONS 111 | Commercial Building Codes | 3 |
| CONS 118 | Construction Contract Documents | 2 |
| CONS 290 | Internship in Construction | 3 |



## SKILLS CERTIFICATE - HEATING, VENTILATION, AIR-CONDITIONING/REFRIGERATION

With demand for HVAC/R technicians in Nevada growing quickly, now is the right time for a career in climate control systems. Offered on WNC's Fallon campus, these courses provide the foundation in electrical, installation and repair.

| | | 12 UNITS |
|---|---|---|
| AC 102 | Refrigeration Theory | 3 |
| AC 107 | Electrical and Controls for HVAC | 6 |
| AC 113 | Schematic Reading for HVAC/R | 3 |

## CERTIFICATE OF ACHIEVEMENT - HEATING, VENTILATION, AIR CONDITIONING (HVAC)

The HVAC program prepares students for a heating and air conditioning industry career. Students completing the certificate are ready to begin careers in HVAC installation, troubleshooting and repairing HVAC systems.

| TOTAL REQUIREMENTS | | 31-33 UNITS |
|---|---|---|
| **PROGRAM REQUIREMENTS** | | **24 UNITS** |
| AC 102 | Refrigeration Theory | 3 |
| AC 106 | Residential Gas Heating | 6 |
| AC 107 | Electrical and Controls for HVAC | 6 |
| AC 113 | Schematic Reading for HVAC/R | 3 |
| AC 150 | Basic Refrigeration Servicing | 6 |

| GENERAL EDUCATION REQUIREMENTS | 7-9 UNITS |
|---|---|
| English/Communications *Must include a writing course* | 3 |
| Mathematics | 3 |
| Human Relations | 1-3 |

| HVAC - Certificate of Achievement Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* | |
| AC 102 | 3 ☐ | AC 106 | 6 ☐ | |
| AC 107 | 6 ☐ | AC 150 | 6 ☐ | |
| AC 113 | 3 ☐ | Mathematics | 3 ☐ | |
| English Writing Course | 3 ☐ | Human Relations | 1-3 ☐ | |
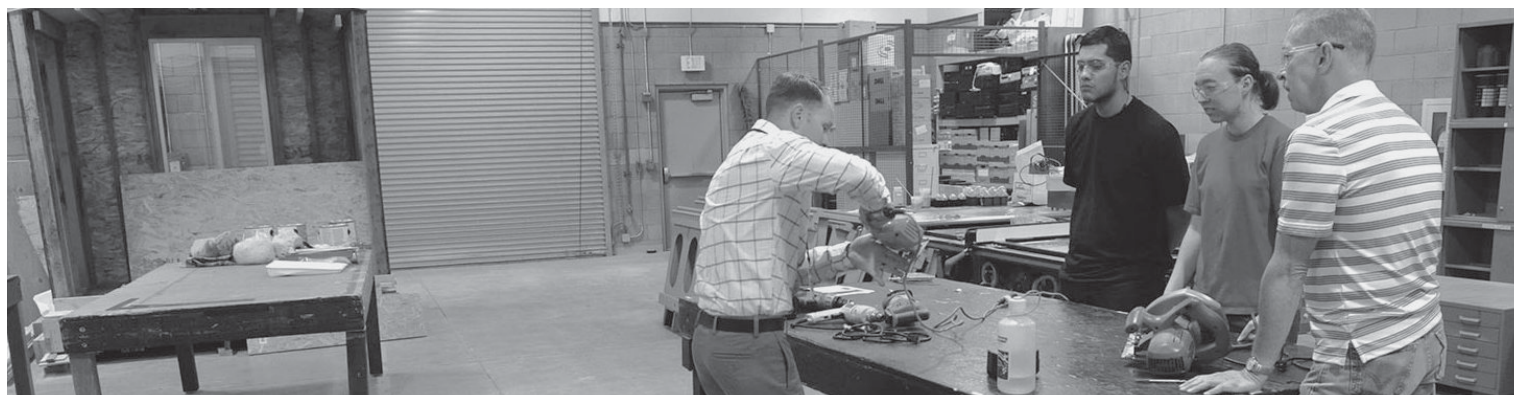
# CONSTRUCTION TECHNOLOGY
## Construction

The Construction Certificate of Achievement and Associate of Applied Science degree provide students with a broad-working knowledge of the construction industry. This positions students for entry into the field or, for those already working, opens opportunities for career advancement or further study in Construction Management (see WNC Bachelor of Applied Science). Students will develop trade-related skills, apply safety practices, understand construction documents and practice effective communication and management.

**MISSION:** To provide employment-related knowledge and skills necessary to succeed as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:**

• Know the appropriate subject matter.

• Communicate effectively and appropriately, in oral and written form.

• Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.

• Acquire skills and perform tasks necessary for employment or career enhancement.

• Develop an appreciation of the importance of social, ethical, legal and diversity issues.

• Develop an appreciation of the importance of lifelong learning.

## CERTIFICATE OF ACHIEVEMENT - CONSTRUCTION

This certificate program prepares students for careers in the construction industry, from entry level to management/supervision opportunities. Students completing this certificate will be ready to advance to management careers that include foreman, site supervisor, planner, scheduler, estimator and more.

| TOTAL REQUIREMENTS | 31-33 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| CEM 100 | Fundamentals of Construction Management | 3 |
| CONS 108 | Construction Materials and Methods I | 4 |
| CONS 205 | Construction Safety | 2 |
| CONS 109 | Construction Materials and Methods II | 4 |
| CONS 111 | Commercial Building Codes | 3 |
| CONS 118 | Construction Contract Documents | 2 |
| CONS 120 | Blueprint Reading and Specification | 3 |

| GENERAL EDUCATION REQUIREMENTS | 10-12 UNITS |
|---|---|
| English/Communications *Must include a writing course* | 6 |
| Mathematics *MATH 110 or higher* | 3 |
| Human Relations | 1-3 |

| CONSTRUCTION - Certificate of Achievement Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | | *Completed* |
| CEM 100 | 3 ☐ | CONS 109 | | 4 ☐ |
| CONS 108 | 4 ☐ | CONS 111 | | 3 ☐ |
| CONS 205 | 2 ☐ | CONS 118 | | 2 ☐ |
| Eng/Comm Course | 3 ☐ | CONS 120 | | 3 ☐ |
| Mathematics Course | 3 ☐ | Eng/Comm Course | | 3 ☐ |
| | | Human Relations Course | 1-3 ☐ | |

**For information on Bachelor of Applied Science Degree in Construction Management, see page 20.**

## ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - CONSTRUCTION

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| CADD 100 | Introduction to Computer Aided Drafting | 3 |
| CEM 100 | Fundamentals of Construction Management | 3 |
| CONS 108 | Construction Materials and Methods I | 4 |
| CONS 109 | Construction Materials and Methods II | 4 |
| CONS 111 | Commercial Building Codes | 3 |
| CONS 118 | Construction Contract Documents | 2 |
| CONS 120 | Blueprint Reading and Specification | 3 |
| CONS 121 | Principles of Construction Estimating | 3 |
| CONS 205 | Construction Site Safety | 2 |
| CONS 281 | Construction Planning Scheduling and Control | 3 |
| CONS 290 | Internship in Construction | 3 |
| SUR 119 | Construction Surveying | 3 |

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement: *Recommended: BUS 107, BUS 108; or ENG 101\*, ENG 102\*; Must include a writing course* | 6 |
| Human Relations: *Recommended: BUS 110* | 3 |
| Humanities/Social Science Requirement | 3 |
| Mathematics Requirement: MATH 126 or higher | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |
| General Elective | 3 |

*\*Recommended for students who plan to transfer and enroll in a bachelor's degree program.*

A list of courses fulfilling general education requirements for the Associate of Applied Science degree can be found on page 19.

| CONSTRUCTION TECHNOLOGY - Associate of Applied Science Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **THIRD SEMESTER** | | *Completed* |
| CONS 108 | 4 ☐ | CONS 111 | | 3 ☐ |
| CEM 100 | 3 ☐ | CADD 100 | | 3 ☐ |
| ENG 101 | 3 ☐ | CONS 118 | | 2 ☐ |
| Human Relations Course | 3 ☐ | General Elective | | 3 ☐ |
| Science Course | 3 ☐ | Humanities/Social Science | | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **FOURTH SEMESTER** | | *Completed* |
| CONS 109 | 4 ☐ | CONS 121 | | 3 ☐ |
| CONS 120 | 3 ☐ | CONS 205 | | 2 ☐ |
| SUR 119 | 3 ☐ | CONS 281 | | 3 ☐ |
| English 102 | 3 ☐ | CONS 290 | | 3 ☐ |
| Mathematics 126 or higher | 3 ☐ | U.S./Nevada Constitution | | 3 ☐ |

# CRIMINAL JUSTICE
# Certificate of Achievement and Degree

This program provides students the opportunity to explore all areas of the criminal justice system, including law enforcement, policing and investigations, corrections, parole and probation, prosecution and courts, juvenile justice, and rehabilitation options within the community. Students will receive valuable access and networking with experienced instructors who have studied and worked extensively in all areas of the criminal justice system. Students interested in pursuing a bachelor degree in criminal justice should choose the Associate of Arts degree and work closely with an advisor when choosing their classes.

**MISSION:** The purpose of the criminal justice degree is to provide the academic knowledge and skills in the criminal justice field.

**STUDENT LEARNING OUTCOMES:** Students who complete the Associate of Applied Science degree in Criminal Justice are expected to demonstrate they can:

- Meet the general education requirements of WNC.
- Maintain proper professional attitude for law enforcement.
- Articulate the legal requirements of search and seizure.
- Recognize and evaluate criminal law.
- Process crime scenes.
- Analyze theories for committing crimes.
- Maintain vocabulary necessary for criminal justice.
- Have an acute awareness of cultural diversity.
- Maintain crime scenes.

## CERTIFICATE OF ACHIEVEMENT - CRIMINAL JUSTICE

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| CRJ 104 | Introduction to the Administration of Justice | 3 |
| CRJ 164 | Principles of Investigation | 3 |
| CRJ 106 | Introduction to Corrections | 3 |
| or CRJ 211 | Police in America | |
| CRJ 222 | Criminal Law and Procedure | 3 |
| CRJ 225 | Criminal Evidence | 3 |
| CRJ 270 | Introduction to Criminology | 3 |
| Program Elective | | 3 |

| GENERAL EDUCATION REQUIREMENTS | 6 UNITS |
|---|---|
| English/Communications Requirement *Must include writing course* | 3 |
| Mathematics Requirement | 3 |

| GENERAL ELECTIVE | 3 UNITS |
|---|---|

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*

### CRIMINAL JUSTICE - Certificate of Achievement Suggested Course Sequence

| FIRST SEMESTER | Completed | SECOND SEMESTER | Completed |
|---|---|---|---|
| CRJ 104 | 3 ☐ | General Elective | 3 ☐ |
| CRJ 222 | 3 ☐ | CRJ 106 or CRJ 211 | 3 ☐ |
| CRJ 164 | 3 ☐ | CRJ 225 | 3 ☐ |
| English Course | 3 ☐ | CRJ 270 | 3 ☐ |
| Program Elective | 3 ☐ | Mathematics Course | 3 ☐ |

## EARN THIS DEGREE ONLINE

## ASSOCIATE OF APPLIED SCIENCE DEGREE - CRIMINAL JUSTICE

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| CRJ 104* | Introduction to the Administration of Justice | 3 |
| CRJ 106* | Introduction to Corrections | 3 |
| CRJ 155 | Juvenile Justice System | 3 |
| CRJ 164 | Principles of Investigation | 3 |
| CRJ 211* | Police in America | 3 |
| CRJ 222* | Criminal Law and Procedure | 3 |
| CRJ 234* | Introduction to Courts/American Legal System | 3 |
| CRJ 225 | Criminal Evidence | 3 |
| CRJ 270* | Introduction to Criminology | 3 |

***Choose 9 units from the following program electives:***

| | | |
|---|---|---|
| Any CRJ course | | 1-6 |
| ART 135 | Darkroom Photography I | 3 |
| ART 141 | Introduction to Digital Photography I | 3 |
| BUS 107 | Business Speech Communications | 3 |
| COM 101 | Oral Communications | 3 |
| CPD 116 | Substance Abuse-Fundamental Fact and Insights | 3 |
| CPD 117 | Introduction to Counseling | 3 |
| CPD 129 | Communication Techniques | 1 |
| STAT 152 | Introduction to Statistics | 3 |
| SW 230 | Crisis Intervention | 3 |
| Any IS, COT or CIT course | | 1-6 |
| Any Foreign Language | | 1-6 |
| Any PSY or SOC | | 1-6 |

**Direct transfer to UNR for CRJ major*

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement *Recommended: ENG 101 and 102* | 6 |
| Humanities Requirement | 3 |
| Mathematics Requirement *Recommended: MATH 120* or higher* | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |
| General Electives | 6 |

| CRIMINAL JUSTICE - ON CAMPUS Associate of Applied Science Suggested Course Sequence | | CRIMINAL JUSTICE - ONLINE Associate of Applied Science Suggested Course Sequence | |
|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **FIRST SEMESTER** | *Completed* |
| CRJ 104 | 3 ☐ | CRJ 104 | 3 ☐ |
| ENG 101 | 3 ☐ | ENG 101 | 3 ☐ |
| General Elective | 3 ☐ | Math Course | 3 ☐ |
| Humanities Course | 3 ☐ | CRJ 106 | 3 ☐ |
| Math Course | 3 ☐ | CRJ 155 | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| CRJ 106 | 3 ☐ | CRJ 211 | 3 ☐ |
| CRJ 155 | 3 ☐ | General Elective | 3 ☐ |
| Program Elective | 3 ☐ | Humanities Course | 3 ☐ |
| General Elective | 3 ☐ | ENG 102 | 3 ☐ |
| ENG 102 | 3 ☐ | Program Elective | 3 ☐ |
| **THIRD SEMESTER** | *Completed* | **THIRD SEMESTER** | *Completed* |
| CRJ 164 | 3 ☐ | CRJ 225 | 3 ☐ |
| CRJ 211 | 3 ☐ | CRJ 234 | 3 ☐ |
| CRJ 222 | 3 ☐ | CRJ 270 | 3 ☐ |
| Program Elective | 3 ☐ | Program Elective | 3 ☐ |
| Science Course | 3 ☐ | Science Course | 3 ☐ |
| **FOURTH SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* |
| CRJ 225 | 3 ☐ | CRJ 164 | 3 ☐ |
| CRJ 234 | 3 ☐ | General Elective | 3 ☐ |
| CRJ 270 | 3 ☐ | CRJ 222 | 3 ☐ |
| Program Elective | 3 ☐ | Program Elective | 3 ☐ |
| U.S./Nevada Constitution | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on page 17, the Associate of Applied Science page.*

# DEAF STUDIES
# American Sign Language

This degree will help students develop knowledge about American Sign Language, cultural impacts related to being deaf or hard of hearing and the state of Nevada statutory regulations that govern interpreting. Students will prepare for a variety of careers including teaching, social work, psychology, speech and language pathology or any career that interacts with the deaf.

**MISSION**: The mission of the Western Nevada College Deaf Studies AAS Degree Program is to provide a quality education to students, thus developing their comprehensive expressive/receptive skills in American Sign Language, fingerspelling fluency and knowledge of the history and culture of people who are deaf or hard of hearing. Students are provided a strong foundation in which to enter numerous high-demand professional fields that provide services to deaf or hard-of-hearing people.

**STUDENT LEARNING OUTCOMES:** Upon completing the Deaf Studies Associate of Applied Science degree, students will be able to:

• Produce basic expressive/receptive sign language communicative skills.

• Demonstrate appropriate ASL linguistic and grammatical structure in signing.

• Demonstrate functional language aptitude in American Sign Language including expressive/receptive signing.

• Demonstrate knowledge of linguistic, cultural, educational and social aspects in relation to the history of people who are deaf or hard of hearing.

• Demonstrate basic fluency in receptive and expressive pragmatics and production of fingerspelling in ASL.



## ASSOCIATE OF APPLIED SCIENCE DEGREE - DEAF STUDIES

| TOTAL REQUIREMENTS | | 60 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| AM 140* | American Sign Language I/II | 6 |
| AM 141** | American Sign Language III/IV | 6 |
| AM 149 | American Sign Language V | 4 |
| AM 150 | American Sign Language VI | 4 |
| AM 151 | Fingerspelling I | 1 |
| AM 152 | Fingerspelling II | 1 |
| AM 215 | Conversational ASL | 4 |
| AM 216 | Receptive ASL | 4 |
| AM 253 | Deaf Culture | 3 |
| AM 254 | Deaf History | 3 |

*Students can take am 145 and am 146 (4 units each) in place of am 140 (6 units)*

**Students can take am 147 and am 148 (4 units each) in place of am 141 (6 units)*

| GENERAL EDUCATION REQUIREMENTS | | 24 UNITS |
|---|---|---|
| English/Communications Requirements: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |
| Humanities/Social Science Requirement | | 3 |
| Mathematics Requirement | | 3 |
| Science Requirement | | 3 |
| U.S. and Nevada Constitution Requirement | | 3 |
| General Elective (Theatre 105 recommended) | | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

## CERTIFICATE OF ACHIEVEMENT - AMERICAN SIGN LANGUAGE

| TOTAL REQUIREMENTS | | 30 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 18 UNITS |
|---|---|---|
| AM 140* | American Sign Language I/II | 6 |
| AM 141** | American Sign Language III/IV | 6 |
| AM 151 | Fingerspelling I | 1 |
| AM 152 | Fingerspelling II | 1 |
| Any other AM course | | 4 |

| GENERAL EDUCATION REQUIREMENTS | | 12 UNITS |
|---|---|---|
| English/Communications Requirements: *Must include a writing course* | | 6 |
| Human Relations Requirement | | 3 |
| Mathematics Requirement | | 3 |

| AMERICAN SIGN LANGUAGE - Certificate of Achievement Suggested Course Sequence | | | | | |
|---|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | | **SECOND SEMESTER** | *Completed* | |
| AM 140 | 6 ☐ | | AM 141 | 6 ☐ | |
| AM 151 | 1 ☐ | | AM 152 | 1 ☐ | |
| English Course | 3 ☐ | | English Course | 3 ☐ | |
| Human Relations Course | 3 ☐ | | AM Elective | 4 ☐ | |
| Mathematics Course | 3 ☐ | | | | |

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*



| DEAF STUDIES - Associate of Applied Science Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **THIRD SEMESTER** | *Completed* | |
| AM 140* | 6 ☐ | AM 149 | 4 ☐ | |
| AM 151 | 1 ☐ | AM 216 | 4 ☐ | |
| AM 254 | 3 ☐ | Math Course | 3 ☐ | |
| English/Comm. Course | 3 ☐ | U.S./Nev. Constitution | 3 ☐ | |
| Human Relations Course | 3 ☐ | | | |
| **SECOND SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* | |
| AM 141** | 6 ☐ | AM 150 | 4 ☐ | |
| AM 152 | 1 ☐ | AM 215 | 4 ☐ | |
| AM 253 | 3 ☐ | General Elective | 3 ☐ | |
| English/Comm. Course | 3 ☐ | *(Theatre 105 Recommended)* | | |
| Hum./ Soc. Science Course | 3 ☐ | Science Course | 3 ☐ | |

# EDUCATION
# Early Childhood/Elementary/Special Education

Students can prepare for transfer to a four-year institution or earn a certificate in Early Childhood Education. Students interested in a bachelor's degree in education should use education courses as electives in an Associate of Arts or Associate of Science transfer degree.

## SKILLS CERTIFICATE -
## EARLY CHILDHOOD EDUCATOR I

These courses provide students with the foundational skills needed to successfully work in an early childhood education setting, such as preschool, childcare or community education programs. Coursework satisfies some of the initial courses of training required for caregivers working in licensed facilities (NAC 432A). Please check the Nevada Registry for more information (nevadaregistry.org). **Industry Certifications:** CPR

| | | 7.5 UNITS |
|---|---|---|
| ECE 250 | Introduction to Early Childhood Education | 3 |
| HDFS 201 | Lifespan Human Development | 3 |
| ECE 168 | Infectious Diseases & First Aid | 1 |
| EMS 100 | Healthcare Provider CPR | .5 |

## SKILLS CERTIFICATE -
## EARLY CHILDHOOD EDUCATOR II

These courses advance the foundational skills needed for success in an early childhood education career, such as a preschool, childcare or community education program. Coursework may satisfy initial courses of training required for caregivers working in licensed facilities (NAC 432A) or continuing education requirements. Please check the Nevada Registry for more information (nevadaregistry.org). **Industry Certifications:** American Association of Family and Consumer Science (AAFCS) Early Childhood Education

| | | 9 UNITS |
|---|---|---|
| ECE 121 | Parent Care Relations | 1 |
| ECE 204 | Principles of Child Guidance | 3 |
| ECE 231 | Preschool Practicum: Early Childhood Lab | 2 |
| ECE 251 | Curriculum Development in Early Childhood Education | 3 |



## CERTIFICATE OF ACHIEVEMENT -
## EARLY CHILDHOOD EDUCATION

Students will prepare to work in early childhood settings (day care, preschool education and community education programs) and learn human development and cognitive skills associated with early childhood and Pre-K children. Students interested in transferring to a four-year education program should consult with an academic advisor.

| TOTAL REQUIREMENTS | | 30 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| ECE 250 | Introduction to Early Childhood Education | 3 |
| ECE 251 | Curriculum in Early Childhood Education | 3 |
| ECE 204 | Principles of Child Guidance | 3 |
| ECE 200 | The Exceptional Child | 3 |
| HDFS 201 | Life Span Human Development | 3 |
| HDFS 232 | Diversity and The Young Child | 3 |

***Choose 3 units from the following program electives:***
| ECE 231, HDFS 202, EDU 214, EDU 207, or PSY 233 | 3 |
|---|---|

**GENERAL EDUCATION REQUIREMENTS**      **9 UNITS**
English/Communications Requirements: *Recommended Eng 100 or ENG 101*
  *Must include a writing course*    3
Mathematics Requirement: *Recommended Math 120 or higher*    3
General Elective    3

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*
*Some courses are not taught each semester. Students should work with an advisor for suggested courses by semester.*

## TEACHER EDUCATION

WNC offers introductory courses in teacher education that can transfer to universities or colleges that offer a bachelor's degree in education, including the University of Nevada, Reno and/or Nevada State University. These courses offer students a chance to prepare for a career in education. Through a well-established partnership with local schools, field experiences are an integral and early part of all teacher preparation courses. These courses can also be used to gain a substitute license for paraprofessionals needing to qualify under federal legislation.

Students can transfer to Nevada State University and take classes at WNC locations and online to earn a bachelor's degree and certification in elementary education.

They may also transfer to the University of Nevada, Reno to pursue a bachelor's degree and certification in elementary education, special education/dual or secondary education.

## NEVADA STATE UNIVERSITY PARTNERSHIP

### Bachelor of Arts in Elementary or Special Education – Transfer Program

WNC students who have an Associate of Arts degree or are close to completing the first two years of college can complete a four-year degree without leaving the Northern Nevada area. Through a partnership with NSU, students can take classes at WNC locations and online to earn a bachelor's degree and certification in Elementary Education, K-8.

Contact Workforce, Career & Technical Education at 775-445-4272.

# EMERGENCY MEDICAL SERVICES
## Certificate of Achievement and Skills Certificates

**STUDENT LEARNING OUTCOMES:**

• Demonstrate behaviors consistent with professional and employer expectations of an entry-level EMT/AEMT.

• Demonstrate proficiency in all skills necessary to fulfill the role of an entry-level EMT/AEMT.

• Demonstrate the ability to comprehend, evaluate and apply information relative to the role of an entry-level EMT/AEMT.

**OTHER IMPORTANT INFORMATION**

• EMT/AEMT learning activities are scheduled on and off campus on days, evenings and weekends.

• Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.

• Clinical experiences take place at acute care hospitals, clinics and other medical facilities.

• Field experience takes place on an ALS ambulance or ALS/ILS Fire Department Engine/Rescue under the direct supervision of a preceptor.

• Documentation and currency of the following is required prior to acceptance into the EMS 108 and/or EMS 115 courses:

  • An acceptable physical examination and required immunizations and tests.

  • Current CPR certification - American Heart Association Healthcare Provider.

  • Major medical health insurance (card required).

  • An acceptable background check.

*For EMS 115 an EMT Nevada State Certification IS required. National Registry Certification will not be accepted.*



### SKILLS CERTIFICATE - EMERGENCY MEDICAL TECHNICIAN BASIC

EMS courses will prepare individuals with the knowledge and skills to assess and care for patients in an emergency or in an out-of-hospital setting.   Courses are offered in a sequential series.

EMS 108 prepares students to take the National Registry Examination for Emergency Medical Technician (EMT) - Basic.

| | 7.5 UNITS |
|---|---|
| EMS 108 Emergency Medical Technician (EMT) | 7.5 |

### SKILLS CERTIFICATE - ADVANCED EMERGENCY MEDICAL TECHNICIAN

For certified EMTs, WNC offers training for career advancement. Students will learn to incorporate knowledge of basic and advanced emergency medical care for critically ill and emergent patients to reduce the morbidity and mortality associated with acute out-of-hospital medical and traumatic emergencies.

| | 7.5 UNITS |
|---|---|
| EMS 115* Advanced Emergency Medical Technician (AEMT) | 7.5 |

*Current Nevada State EMT Certification is a required prerequisite for EMS 115*

### CERTIFICATE OF ACHIEVEMENT - EMERGENCY MEDICAL SERVICES

The Certificate of Achievement-Emergency Medical Services (EMS) is designed for individuals interested in providing care to patients in the pre-hospital setting, and will prepare students for Paramedic level training. This program will provide the knowledge, skills and attitudes necessary for an entry-level EMT/AEMT and allow eligibility to sit for national and state testing for emergency medical technician and advanced emergency medical technician. The program meets or exceeds the required skills and knowledge as set forth by the NHTSA's office of EMS National EMS Education Standards and Instructional Guidelines.

| **TOTAL REQUIREMENTS** | **30 UNITS** |
|---|---|

| **PROGRAM REQUIREMENTS** | | **15 UNITS** |
|---|---|---|
| EMS 108 | Emergency Medical Technician (EMT) | 7.5 |
| EMS 115* | Advanced Emergency Medical Technician (AEMT) | 7.5 |

*Current Nevada State EMT Certification is a required prerequisite for EMS 115.*

| **GENERAL EDUCATION  REQUIREMENTS** | | **15 UNITS** |
|---|---|---|
| English/Communications (Recommend COM 101) *Must include a writing course* | | 6 |
| MATH | Mathematics | 3 |
| PSY | Any Psychology class except 210 (PSY 101 recommended) | 3 |
| BIOL 200* | Elements of Human Anatomy & Physiology | |
| or EMS 205 | Principles of Pathophysiology | 3 |

*BIOL 223 & BIOL 224 will be accepted in place of BIOL 200*

**CONDITIONAL ACCEPTANCE:  All students must meet specific requirements to be eligible for participation in clinical and/or field experiences (such as ride-alongs).  This includes, at a minimum, an approved criminal background check, drug screening, immunizations, any training required by the health care organization, and other state/national requirements.  Students who do not meet these requirements by the established date or who are not approved by the clinical site will not be eligible to participate in clinical and/or field experiences which may be required for certification.**

# FIRE SCIENCE TECHNOLOGY
# Degree

The Associate of Applied Science (AAS) degree is designed for two purposes:

- To prepare individuals to be firefighters by giving them the knowledge, skills and exposure to successfully complete an academy training program required for employment.

- To provide active fire service personnel with an educational pathway for advancement within their profession.

Courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum and meet the National Fire Protection Association's 1001 Standard for Fire Fighter Professional Qualifications. Students may be placed in physically demanding environments designed to introduce the environment, job tasks and skills required for success in fire and emergency service careers.

Completion of courses or the degree do not guarantee employment or promotion.

**MISSION:** The Fire Science Program reflects the mission of Western Nevada College by assisting students to develop professional competencies that value lifelong learning, use of evidence-based practice, ethical integrity, and critical thinking skills. The development of the competencies prepares students to function as safe and competent entry-level professionals.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science in Fire Science Technology degree are expected to:

- Demonstrate critical-thinking and decision-making skills relevant to fire service scenarios.

- Demonstrate core fire science knowledge to prevention, training, operational, and administrative situations relevant to the fire service.

- Demonstrate effective verbal and nonverbal communication in emergency and nonemergency situations including, but not limited to: communicating on the fireground, drafting administrative documents, handling disciplinary issues, completing incident reports, and conducting public education.

- Explain effective risk reduction activities through accurate hazard identification and public education activities.

- Demonstrate the ability to collaborate with a diversity of colleagues to accomplish the goals of the organization and successfully participate in the daily operations of a fire station.



## ASSOCIATE OF APPLIED SCIENCE DEGREE - FIRE SCIENCE TECHNOLOGY

| TOTAL REQUIREMENTS | | 62.5 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 41.5 UNITS |
|---|---|---|
| EMS 108 | Emergency Medical Technician | 7.5 |
| FT 101 | Principles of Emergency Services | 3 |
| FT 104 | Nevada Firefighter I | 3 |
| FT 105 | Fire Behavior and Combustion | 3 |
| FT 109 | Internship in the Fire Science | 1 |
| FT 110 | Basic Wildland Firefighting | 3 |
| FT 121 | Fire Prevention | 3 |
| FT 125 | Building Construction for Fire Prevention | 3 |
| FT 131 | Hazardous Materials Chemistry | 3 |
| FT 152 | Legal Aspects of Emergency Services | 3 |
| FT 154 | Principles of Fire and Emergency Services, Safety & Survival | 3 |
| FT 224 | Fire Protection Systems | 3 |
| FT 291 | Fire and Emergency Services Administration | 3 |

| GENERAL EDUCATION REQUIREMENTS | 21 UNITS |
|---|---|
| English/Communications (Recommend COM 101) *Must include a writing course* | 6 |
| Human Relations Requirement | 3 |
| Humanities/Social Science Requirement | 3 |
| Mathematics Requirement | 3 |
| Science Requirement | 3 |
| US and Nevada Constitution Requirement | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

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**FIRE SCIENCE - Associate of Applied Science**
**Suggested Course Sequence**
*Note: Sequence based on enrollment that begins with the fall semester.*
*Some courses may not be taught each semester.*

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| FT 101 | 3 ☐ | FT 104 | 3 ☐ |
| FT 105 | 3 ☐ | FT 109 | 1 ☐ |
| COM 101 | 3 ☐ | FT 152 | 3 ☐ |
| ENG Writing | 3 ☐ | FT 154 | 3 ☐ |
| Mathematics | 3 ☐ | FT 224 | 3 ☐ |
| | | U.S. and Nevada Constitution | 3 ☐ |
| **SECOND SEMESTER** | *Completed* | **FOURTH SEMESTER** | *Completed* |
| EMS 108 | 7.5 ☐ | FT 110 | 3 ☐ |
| FT 121 | 3 ☐ | FT 131 | 3 ☐ |
| FT 125 | 3 ☐ | FT 291 | 3 ☐ |
| Human Relations Course | 3 ☐ | Social Sciences/Humanities | 3 ☐ |
| | | Science Course | 3 ☐ |

# GRAPHIC DESIGN
# Certificate of Achievement and Degree

This program is designed for students who seek quick access to career fields involving print design, Web design, multimedia and animation. Students prepare for careers in graphic design for print and web, using current technologies. Coursework will provide students with knowledge and skills to create visual concepts and communicate ideas that inspire, inform and captivate consumers. Students interested in earning a bachelor's degree in Graphic Design can complete an Associate of Arts degree at WNC and then transfer and earn a bachelor's degree from the University of Nevada, Reno or Truckee Meadows Community College (granted through Nevada State University).

**MISSION:** The Associate of Applied Science degree in Graphic Design will provide employment-related knowledge and skills necessary to succeed in the Graphic Design field. The degree will meet educational criteria for employment and prepare the student for possible transfer to other colleges and universities to meet higher educational and professional goals.

**STUDENT LEARNING OUTCOMES:** Associate of Applied Science in Graphic Design graduates are expected to:

- Apply technical skills in current design technologies.
- Identify and apply design concepts.
- Develop a portfolio of work demonstrating design skills.
- Fulfill the combination of student learning outcomes for this program and general education.
- Meet the WNC Institutional Student Learning Outcomes.

## EARN THIS DEGREE ONLINE
### College on your time and schedule

## ASSOCIATE OF APPLIED SCIENCE DEGREE - GRAPHIC DESIGN

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| ART 100* | Visual Foundations | 3 |
| ART 101* | Drawing I | 3 |
| GRC 116* | Introduction to Digital Art and Design | 3 |
| GRC 175 | Web Design I | |
| or ART 260* | Survey of Art History I | 3 |
| GRC 200* | Design Thinking and Methodologies | 3 |
| GRC 210* | Typography I | 3 |
| GRC 220* | Graphic Design I | 3 |
| GRC 282 | Motion Graphics for Video | 3 |
| ART 261* | Survey of Art History II | 3 |
| GRC 294 | Professional Portfolio | 3 |
| MKT 210 | Marketing Principles | 3 |
| Any other ART class (Recommend ART 141*, ART 124* or ART 214*) | | 3 |

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement: *Recommend ENG 101* and 102** | 6 |
| Mathematics Requirement: *Recommend Math 120* or higher* | 3 |
| Human Relations | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |
| General Electives | 6 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

## CERTIFICATE OF ACHIEVEMENT - GRAPHIC DESIGN

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 21 UNITS |
|---|---|---|
| ART 100 | Visual Foundations | |
| or ART 101 | Drawing I | 3 |
| GRC 116 | Introduction to Digital Art and Design | 3 |
| GRC 200 | Design Thinking and Methodologies | 3 |
| GRC 210 | Typography I | 3 |
| GRC 220 | Graphic Design I | 3 |

**Choose 6 units from the following:**

| | | |
|---|---|---|
| ART 260 | Survey of Art History I | 3 |
| ART 261 | Survey of Art History II | 3 |
| GRC 175 | Web Design I | 3 |
| GRC 282 | Motion Graphics for Video | 3 |
| MKT 210 | Marketing Principles | 3 |

| GENERAL EDUCATION REQUIREMENTS | 9 UNITS |
|---|---|
| English/Communications Requirements | 3 |
| Mathematics Requirement | 3 |
| Human Relations | 1-3 |
| General Elective | 0-2 |

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*

| GRAPHIC DESIGN - Certificate of Achievement Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | **Completed** | **SECOND SEMESTER** | | **Completed** |
| ART 100 or ART 101 | 3 ☐ | GRC 210 | | 3 ☐ |
| GRC 116 | 3 ☐ | GRC 220 | | 3 ☐ |
| GRC 200 | 3 ☐ | Program Elective | | 3 ☐ |
| Program Elective | 3 ☐ | General Education Course | | 6 ☐ |
| General Education Course | 3 ☐ | | | |

| GRAPHIC DESIGN - Associate of Applied Science Suggested Course Sequence | | | | |
|---|---|---|---|---|
| *Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.* | | | | |
| **FIRST SEMESTER** | **Completed** | **THIRD SEMESTER** | | **Completed** |
| ART 100* | 3 ☐ | GRC 220* | | 3 ☐ |
| ART 101* | 3 ☐ | GRC 175 or ART 260* | | 3 ☐ |
| GRC 116* | 3 ☐ | GRC 282 | | 3 ☐ |
| English Course | 3 ☐ | Science Course | | 3 ☐ |
| Math Course | 3 ☐ | Human Relations Course | | 3 ☐ |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | | **Completed** |
| ART Elective | 3 ☐ | ART 261* | | 3 ☐ |
| GRC 200* | 3 ☐ | GRC 294 | | 3 ☐ |
| GRC 210* | 3 ☐ | MKT 210 | | 3 ☐ |
| English Course | 3 ☐ | U.S. and Nevada Constitution | | 3 ☐ |
| Elective | 3 ☐ | Elective | | 3 ☐ |

*Courses transfer to UNR or TMCC. Students should work with an advisor when planning their schedules.*

# MACHINE TOOL TECHNOLOGY
## Certificates

Machinists shape metal and other materials into precision parts and objects through the set up and operation of complex equipment such as milling and drilling machines, grinders and lathes. This program allows students to gain technical skill proficiency in manual machining, as well as automated Computer Numerical Control (CNC) machines. Aligned with the National Institution for Metalworking Skills certification, this program will prepare students with the skills needed for entry level employment or to improve skills for career advancement.

**MISSION:** The mission of the Associate of Applied Science in Technology degree is to provide employment-related knowledge and skills necessary as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science in Technology degree are expected to:

- Know the subject matter appropriate to the emphasis of the degree.

- Communicate effectively and appropriately, in oral and written form.

- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.

- Acquire skills and perform tasks necessary for employment or career enhancement.

- Develop an appreciation of the importance of social, ethical, legal and diversity issues.

- Develop an appreciation of the need and importance of lifelong learning.



## SKILLS CERTIFICATE - MACHINE TOOL TECHNOLOGY

The National Institute for Metalworking Skills (NIMS) offers various levels of certification in machining.

| LEVEL 1: CHUCKING, SURFACE GRINDING AND MILLING | | 9 UNITS |
|---|---|---|
| MTT 105 | Machine Shop I | 3 |
| MTT 110 | Machine Shop II | 3 |
| MTT 250 | Machine Shop III | 3 |

| LEVEL 3: CNC OPERATING, TURNING AND MEASUREMENT | | 11 UNITS |
|---|---|---|
| MTT 230 | Computer Numerical Control I | 4 |
| MTT 232 | Computer Numerical Control II | 4 |
| MTT 260 | Machine Shop IV | 3 |

## CERTIFICATE OF ACHIEVEMENT - MACHINE TOOL TECHNOLOGY

Students will prepare for entry into machining occupations. Learn setup and use of industrial equipment and tools utilized by the machinist to manufacture parts for all types of machines. Operation of CNC (computer numerical control) lathes and mills and other hand tools prepare students for National Institute for Metalworking Skills (NIMS) exams Levels 1 and 3.

| TOTAL REQUIREMENTS | | 30 UNITS |
|---|---|---|

| PROGRAM REQUIREMENTS | | 20 UNITS |
|---|---|---|
| DFT 110 | Blueprint Reading For Industry | 3 |
| or CONS 120 | Blueprint Reading and Specification | |
| MTT 105 | Machine Shop I | 3 |
| MTT 106 | Machine Shop Practice I | 2 |
| MTT 110 | Machine Shop II | 3 |
| MTT 111 | Machine Shop Practice II | 2 |
| MTT 230 | Computer Numerical Control I | 4 |
| Related machine shop courses | | 3 |

| GENERAL EDUCATION REQUIREMENTS | 10 UNITS |
|---|---|
| English/Communications Requirements: *Recommended: BUS 108; Must include a writing course* | 6 |
| Human Relations Requirement | 1 |
| Mathematics Requirement: *MATH 110 recommended* | 3 |

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*

| MACHINE TOOL TECHNOLOGY - Certificate of Achievement Suggested Course Sequence | | | |
|---|---|---|---|
| *Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.* | | | |
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* |
| MTT 105 | 3 ☐ | DFT 110/CONS 120 | 3 ☐ |
| MTT 106 | 2 ☐ | MTT 110 | 3 ☐ |
| Human Relations Course | 1 ☐ | MTT 111 | 2 ☐ |
| GE English/Comp Course | 3 ☐ | GE English/Comp Course | 3 ☐ |
| Mathematics Course | 3 ☐ | MTT 230 | 4 ☐ |
| MTT Elective | 3 ☐ | | |

*Third-party industry-recognized credentials can be earned throughout the program. A fee is associated with most exams.*

# MACHINE TOOL TECHNOLOGY
# Degree

## ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - MACHINE TOOL TECHNOLOGY

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| DFT 110 | Blueprint Reading For Industry | 3 |
| MTT 105 | Machine Shop I | 3 |
| MTT 106 | Machine Shop Practice I | 2 |
| MTT 110 | Machine Shop II | 3 |
| MTT 111 | Machine Shop Practice II | 2 |
| MTT 230 | Computer Numerical Control I | 4 |
| MTT 232 | Computer Numerical Control II | 4 |
| MTT 250 | Machine Shop III | 3 |
| MTT 251 | Machine Shop Practice III | 2 |
| MTT 260 | Machine Shop IV | 3 |

*Choose 7 units from the following program electives:*

| AIT 101 | Fundamentals of Applied Industrial Technology | 4 |
|---|---|---|
| MTT 261 | Machine Projects | 1–6 |
| MTT 262 | Machine Shop Practice IV | 2 |
| MTT 292 | Computer-Aided Manufacturing I | 4 |
| MTT 293 | Computer-Aided Manufacturing II | 4 |
| MTT 295 | Work Experience | 1-6 |
| Any MTT course | | 1-6 |
| Related WELD or other technical/trade course | | 1-6 |

| GENERAL EDUCATION REQUIREMENTS | 24 UNITS |
|---|---|
| English/Communications Requirement: *Recommended: BUS 107* | 6 |
| *Must include a writing course* | |
| Human Relations: *Recommended: BUS 110* | 3 |
| Humanities/Social Science Requirements | 3 |
| Mathematics Requirement: *Recommended: MATH 110* | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |
| General Elective | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.*

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### MACHINE TOOL TECHNOLOGY - Associate of Applied Science
### Suggested Course Sequence

*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| MTT 105 | 3 ☐ | MTT 230 | 4 ☐ |
| MTT 106 | 2 ☐ | MTT 250 | 3 ☐ |
| English Course | | MTT 251 | 2 ☐ |
| (Bus 107 Recommended) | 3 ☐ | Humanities/Social Science | |
| Human Relations Course | 3 ☐ | Course | 3 ☐ |
| Science Course | 3 ☐ | Program Elective | Units vary ☐ |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | **Completed** |
| DFT 110 | 3 ☐ | MTT 232 | 4 ☐ |
| MTT 110 | 3 ☐ | MTT 260 | 3 ☐ |
| MTT 111 | 2 ☐ | General Elective | 3 ☐ |
| English Course | 3 ☐ | Program Elective | Units vary ☐ |
| Mathematics Course | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |

## NIMS
### National Institute for Metalworking Skills®

# WELDING
## Certificates

This program provides opportunities to practice and prepare for welding certification exams and allows students to explore other industrial skills that are used in a variety of occupations and businesses.

**MISSION:** The mission of the Associate of Applied Science in Technology degree is to provide employment-related knowledge and skills necessary as a professional in a chosen field of study.

**STUDENT LEARNING OUTCOMES:** Students who complete an Associate of Applied Science in Technology degree are expected to:

• Know the subject matter appropriate to the emphasis of the degree.

• Communicate effectively and appropriately, in oral and written form.

• Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional.

• Acquire skills and perform tasks necessary for employment or career enhancement.

• Develop an appreciation of the importance of social, ethical, legal and diversity issues.

• Develop an appreciation of the need and importance of lifelong learning.

**Third-party industry-recognized credentials can be earned throughout the program. A fee is associated with most exams.**

## ACCREDITING AGENCY

**AWS**

**American Welding Society**

The Andy Butti Welding Technology Center is the only accredited welding testing facility in Northern Nevada.

## SKILLS CERTIFICATES - WELDING

Students are introduced to the many welding certifications available by meeting the standards of the American Welding Society codes. This includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers.

| WELDING - SMAW AND GMAW | | 10 UNITS |
|---|---|---|
| WELD 211 | Welding I | 3 |
| WELD 212 | Welding I-Practice | 2 |
| WELD 221 | Welding II | 3 |
| WELD 222 | Welding II-Practice | 2 |

| WELDING - FCAW AND GTAW | | 10 UNITS |
|---|---|---|
| WELD 231 | Welding III | 3 |
| WELD 232 | Welding III-Practice | 2 |
| WELD 241 | Welding IV | 3 |
| WELD 242 | Welding IV-Practice | 2 |

| WELDING PREPARATION CERTIFICATE (AWS) | | 9 UNITS |
|---|---|---|
| WELD 250 | Welding Certification Preparation | 9 |

## CERTIFICATE OF ACHIEVEMENT - WELDING

Provides students with opportunities to practice and prepare for welding certification examinations and the knowledge and skills for employment in welding and related careers.

| TOTAL REQUIREMENTS | 30 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 18 UNITS |
|---|---|---|
| WELD 211 | Welding I | 3 |
| WELD 212 | Welding I Practice | 2 |
| WELD 221 | Welding II | 3 |
| WELD 222 | Welding II Practice | 2 |
| WELD 250 | Welding Certification Preparation | 6 |
| Welding Elective | | 2 |

| GENERAL EDUCATION REQUIREMENTS | 12 UNITS |
|---|---|
| English/Communications Requirements: *Must include a writing course* | 6 |
| Human Relations Requirement: *Recommended: BUS 110* | 3 |
| Mathematics Requirement | 3 |

*A list of all courses filling general education requirements for the Certificate of Achievement can be found on the Certificate of Achievement page.*

| WELDING - Certificate of Achievement Suggested Course Sequence | | | | |
|---|---|---|---|---|
| **FIRST SEMESTER** | *Completed* | **SECOND SEMESTER** | *Completed* | |
| WELD 211 | 3 ☐ | WELD 221 | 3 ☐ | |
| WELD 212 | 2 ☐ | WELD 222 | 2 ☐ | |
| Human Relations Course | 3 ☐ | WELD 250 | 6 ☐ | |
| GE English/Comp Course | 3 ☐ | GE English/Comp Course | 3 ☐ | |
| Mathematics Course | 3 ☐ | WELD Elective | 2 ☐ | |

# WELDING
# Degree

## ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - WELDING

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| **PROGRAM REQUIREMENTS** | | **36 UNITS** |
|---|---|---|
| DFT 110 | Blueprint Reading for Industry | 3 |
| WELD 211 | Welding I | 3 |
| WELD 212 | Welding I Practice | 2 |
| WELD 221 | Welding II | 3 |
| WELD 222 | Welding II Practice | 2 |
| WELD 231 | Welding III | 3 |
| WELD 232 | Welding III Practice | 2 |
| WELD 241 | Welding IV | 3 |
| WELD 242 | Welding IV Practice | 2 |
| WELD 250 | Welding Certification Preparation | 1–12 |

*Choose 1-12 units from the following program electives:*

| | | |
|---|---|---|
| AIT 101 | Fundamentals of Applied Industrial Technology | 4 |
| ET 131 | DC for Electronics | 4 |
| ELM 143 | Wiring Techniques | 2 |
| MTT 105 | Machine Shop I | 3 |
| WELD 151 | Metallurgy I | 3 |
| WELD 224 | Welding Projects | 1–6 |
| WELD 290 | Internship in Welding | 1–4 |
| WELD | Related Welding Courses | 1–3 |

| **GENERAL EDUCATION REQUIREMENTS** | **24 UNITS** |
|---|---|
| English/Communications Requirement: *Recommended: BUS 107* | |
| Must include a writing course | 6 |
| Human Relations: *Recommended: BUS 110* | 3 |
| Humanities/Social Science Requirements | 3 |
| Mathematics Requirement: *Recommended: MATH 110* | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirements | 3 |
| General Elective | 3 |

*A list of all courses filling general education requirements for the Associate of Applied Science Degree can be found on the Associate of Applied Science page.*

### WELDING - Associate of Applied Science
### Suggested Course Sequence

*Note: Sequence based on enrollment that begins with the fall semester. Some courses may not be taught each semester.*

| FIRST SEMESTER | Completed | THIRD SEMESTER | Completed |
|---|---|---|---|
| WELD 211 | 3 ☐ | WELD 231 | 3 ☐ |
| WELD 212 | 2 ☐ | WELD 232 | 2 ☐ |
| English Course | | General Elective | 3 ☐ |
| (Bus 107 Recommended) | 3 ☐ | Humanities/Social Science | |
| Human Relations Course | 3 ☐ | Course | 3 ☐ |
| Science Course | 3 ☐ | Program Elective | 3-5 ☐ |
| **SECOND SEMESTER** | **Completed** | **FOURTH SEMESTER** | **Completed** |
| English Course | 3 ☐ | WELD 241 | 3 ☐ |
| Mathematics Course | 3 ☐ | WELD 242 | 2 ☐ |
| DFT 110 | 3 ☐ | WELD 250 | 4 ☐ |
| Program Elective | 1-3 ☐ | Program Elective | 3-5 ☐ |
| WELD 221 | 3 ☐ | U.S./Nevada Constitution | 3 ☐ |
| WELD 222 | 2 ☐ | | |

# ALLIED HEALTH
# Health Science/CNA/Phlebotomy

## SKILLS CERTIFICATE - CERTIFIED NURSING ASSISTANT

A Certified Nursing Assistant is an individual who, under the direction of a licensed nurse, typically provides basic nursing care for patients in long-term and acute care facilities. CNAs are educated to assist patients with activities of daily living such as bathing, feeding and dressing, and to help maintain a safe and protective care environment. As they have extensive daily contact with patients, CNAs also play a key role in communicating information/observations to the nurse.

This course prepares students to take the Nevada licensing exam for certification as a nursing assistant.

| | 6 UNITS |
|---|---|
| NURS 130  Nursing Assistant | 6 |

## SKILLS CERTIFICATE - LABORATORY TECHNICIAN-PHLEBOTOMY

These courses provide students with knowledge and skills necessary to perform the collection, identification and preservation of specimens as applied to venipuncture techniques. Phlebotomists are trained to collect blood specimens by safely performing skin puncture or venipuncture procedures on patients of all ages. They are required to adhere to strict policies and safety precautions designed to provide patient protection and comfort, and to assure safe handling of specimens throughout the collection process.

| | 7 UNITS |
|---|---|
| LTE 101  Fundamental Phlebotomy | 4 |
| LTE 102  Applied Phlebotomy | 3 |

## ASSOCIATE OF APPLIED SCIENCE DEGREE - HEALTH SCIENCE

Assists students who apply for the WNC nursing program and provides the coursework toward potential transfer degrees in community health, public health, health education and related areas. Also can prepare students for health-related careers in emergency medical science, laboratory technician, nursing assistant and related areas.

| TOTAL REQUIREMENTS | 60 UNITS |
|---|---|

| PROGRAM REQUIREMENTS | | 36 UNITS |
|---|---|---|
| PBH 101 | Foundations of Public Health | 3 |
| BIOL 190* | Intro to Cell & Molecular Biology | |
| or CHEM 121* | General Chemistry I | 4 |
| PSY 101 | General Psychology | 3 |

*Choose 26 units from the following program electives:*

| | | |
|---|---|---|
| ANTH 101 | Introduction to Cultural Anthropology | 3 |
| or SOC 101 | Principles of Sociology | |
| BIOL 223 | Human Anatomy and Physiology I | 4 |
| BIOL 224 | Human Anatomy and Physiology II | 4 |
| BIOL 251 | General Microbiology | 4 |
| CHEM 122 | General Chemistry II | 4 |
| CHEM 220 | Introductory Organic Chemistry | 4 |
| PBH 120 | Foundations of Personal Health & Wellness | 3 |
| EMS 100 | Healthcare Provider CPR | 0.5 |
| EMS 108 | Emergency Medical Technical Training | 7.5 |
| EMS 115 | Advanced Emergency Medical Technician | 7.5 |
| HDFS 201 | Lifespan Human Development | 3 |
| HIT 117 | Medical Terminology I | 1 |
| LTE 101 | Fundamental Phlebotomy | 4 |
| LTE 102 | Applied Phlebotomy | 3 |
| NURS 130 | Nursing Assistant or | 6 |
| or NURS 129 | Level I Basic Nursing Skills | 2 |
| NUTR 223 | Principles of Nutrition | 3 |

*Students may take BIOL 190 and CHEM 121 and have 4 units apply toward the program electives.*

| GENERAL EDUCATION | | 24 UNITS |
|---|---|---|
| ENG 101 | Composition I | 3 |
| ENG 102 | Composition II | 3 |
| Human Relations | | 3 |
| Math 120 or higher | | 3 |
| U.S./NV Constitutions | | 3 |
| General Electives | | 9 |

# ALLIED HEALTH
# Registered Nursing

WNC's Associate Degree Nursing Program is intended for students seeking a career as a registered nurse. The curriculum is sequenced and progresses in complexity. It integrates knowledge from the bio/psycho/social sciences, literacy, mathematics and humanities and is intended to prepare graduates to pass the national licensure examination (NCLEX-RN) and to function as registered nurses in diverse care settings. Upon completion of the Associate Degree Nursing Program, students will be awarded an Associate of Applied Science degree. Graduates are eligible to sit for the NCLEX-RN.

The nursing program is approved by the Nevada State Board of Nursing (NSBN) and is accredited by the Accreditation Commission for Education in Nursing, 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, ph: 404-975-5000. Applicants are advised that eligibility for licensure may be affected by the existence of a criminal record, a history of alcohol or drug abuse, and mental or physical illness that may interfere with the practice of nursing. Applicants are encouraged to directly contact the NSBN at 1-775-687-7700 or 888-590-6726 should there be a concern regarding eligibility for licensure.

A limited number of qualified students are admitted as first semester students utilizing the selection criteria outlined on the next column. The nursing program requires that pre-and co-requisite courses be completed with a grade of "C" or better (a C- or lower grade will not be accepted). Students admitted to the program are required to attend mandatory one-day orientation sessions scheduled for late spring or early summer and prior to the start of classes.

**MISSION:** The Nursing Program reflects the mission of Western Nevada College by assisting and preparing nursing students to successfully navigate educational pathways to achieve their professional goals.

**STUDENT LEARNING OUTCOMES:**

- Incorporate principles from the bio/psycho/social sciences, mathematics, humanities, literacy and nursing in the provision of patient care.

- Apply the nursing process in a caring manner to safely meet the holistic needs of patients across the life span.

- Utilize a broad range of communication skills to promote understanding.

- Utilize a spirit of inquiry to integrate current evidence-based guidelines and nursing science when making clinical practice decisions/nursing judgment.

- Apply concepts of caring, cultural sensitivity and respect for all persons.

- Apply concepts of teaching and learning to empower patients and families to effectively manage healthcare.

- Incorporate principles of collaboration and teamwork with patients, families and the health care team to achieve patient-centered care.

- Provide and manage care that reflects values of nursing within professional standards and legal parameters of the profession.



## NURSING PROGRAM ADMISSION

Admission to the nursing program will be based on special admission procedures and the number of points an applicant receives. Eligible students will be numerically ranked according to total points. In the event of applicants having an equal number of points, lots will be drawn to decide eligibility. Admission will be offered to the applicants on the list with the highest priority points. Applicants not selected will not be carried forward and must reapply for consideration.

### SELECTION CRITERIA POINTS

| Science GPA | 2.0-2.25 | 2.26-2.50 | 2.51-2.75 | 2.76-3.00 |
|---|---|---|---|---|
| (BIOL & CHEM pre and | (1) | (2) | (3) | (4) |
| corequisite courses) | | | | |
| | 3.01-3.25 | 3.26-3.50 | 3.51-3.75 | 3.76-4.00 |
| | (5) | (6) | (7) | (8) |
| GPA | 2.0-2.49 | 2.5-2.99 | 3.0-3.49 | 3.5-4.0 |
| (pre- and corequisite | (1) | (2) | (3) | (4) |
| courses) | | | | |

(A grade of C or better is required for all pre and corequisite courses in the nursing program. A C- or lower will not be accepted.)

**Academic Skills Test:** 0-4 points will be awarded based on test scores.

**Nevada Resident:** An applicant who is classified as a Nevada resident for tuition purposes at Western Nevada College at the time of application to the nursing program will be awarded one (1) point in the nursing admissions selection criteria.

**Maximum Possible Points:** 17

### NURSING PROGRAM APPLICATION PROCESS

Students must apply for admission to Western Nevada College and the WNC nursing program. Applications for the next fall are available on the WNC Nursing & Allied Health Web page on or after Jan. 2. The last date for submission of an application to Admissions and Records is April 1.

**PREREQUISITES:** Students must complete all prerequisite courses with a grade of "C" or better to apply for the nursing program. (C- or lower will not be accepted.) Students may apply for admission to the nursing program while in the process of completing a prerequisite course(s), provided the course is completed by the end of the applicable spring semester or, if taken at another institution, an official transcript showing completion of the course is provided by June 1 of the year of application. Evidence of courses in progress must be submitted by the application deadline.

NOTE: Current CNA Certification or completion of NURS 129 or NURS 130 required within five years of the date of application to the nursing program.

**COREQUISITES:** Students who are accepted into the nursing program must complete all corequisite courses with a grade of "C" or better by the end of the fourth semester of the program. (A grade of C- or lower will not be accepted.) Any corequisite course(s) completed with a "C" or better prior to admission into the nursing program will be calculated into the grade point average under admission selection criteria.

**ACADEMIC SKILLS TESTING:** Students are required to take the Assessment Technologies Institute, Test of Essential Academic Skills examination as part of the application process. Visit wnc.edu/nalh/admissions after September for specific information.

**RESIDENCY:** An applicant who is classified as a Nevada resident for tuition purposes at WNC at the time of application to the nursing program will be awarded one point in the nursing admissions/selection criteria.

# ALLIED HEALTH
# Registered Nursing



**APPLICATION AND SUPPORTING DOCUMENTS:** Submit the completed application with supporting documents, which include the ATI TEAS academic skills test results and all required college and university transcripts, as appropriate, to Admissions and Records in the time frame delineated on the nursing program application.

NOTE: Statute of Limitation for science courses is five years by the date of application to the nursing program.

## OTHER IMPORTANT INFORMATION

- Nursing learning activities are scheduled on and off campus on days, evenings, nights and weekends.

- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.

- Clinical experiences take place at long-term health care facilities, acute care hospitals, clinics and day care centers.

- A grade of C (75 percent) or better is required in all nursing courses to continue in the nursing program. A grade of C- or lower will not be accepted.

- Students not admitted to the nursing program must reapply to be considered for admission the following year.

- Nursing students are expected to meet the Nursing Student Essential Abilities as discussed on the nursing Web page and in the student handbook.

- Documentation and currency of the following is required after acceptance into the nursing program and prior to the start of classes:

  - An acceptable physical examination and required immunizations and tests.

  - CPR certification (card required) through the American Heart Association (Basic Life Support for Healthcare Provider).

  - Major medical health insurance (card required).

  - An acceptable background check.

A background check is required by health care organizations. Students will be conditionally accepted into WNC's nursing program until their background check information is approved by the clinical sites. Should clinical sites not approve a student, the conditional acceptance will be withdrawn and the student will not be admitted into the nursing program. Students will be denied entrance into the WNC nursing program if an adverse background check is received from a clinical site. Drug screening is required by clinical sites. Students will be informed of the requirement when necessary.

## NURSING PROGRAM READMISSION POLICIES

1.  At the conclusion of each semester of study, the Nursing Program Faculty Committee discusses students who failed or withdrew from courses during the semester.  The faculty acknowledges the responsibility to readmit students who, in their judgment, satisfy the requirements of scholarship and professional suitability for nursing.  The faculty reserves the right to deny readmission based on a history of unprofessional conduct which violates the ANA Code of Ethics.

2.  A student who started the nursing program may be readmitted **one time** following a withdrawal/failure. A written request for an exception to the policy for such reasons as medical and military will be considered by the Nursing Program faculty.  Students who are eligible to be considered for readmission into the nursing program will be admitted using a point system and on a space-available basis.

3.  Students eligible for readmission into the Nursing Program will complete and submit the **Request for Readmission Form to the Nursing & Allied Health and WNC Admissions and Records offices.**  The form will address the following information:

- Date by which the request for readmission must be received.

- Description of the challenge examinations that must be completed with a grade of 75% or better for the theory portion and a Pass (P) grade for the skill evaluations.

- Cost of readmission testing.  Payment for the challenge tests is submitted to the Business Office prior to scheduling of readmission testing.

Upon receipt of the form, the director will discuss the challenge process with the student and will schedule the challenge evaluations.

4.  Students will be required to pass both a written competency exam and a hands-on skills performance evaluation demonstrating competency prior learning for re-entry into the nursing program.

A score of 75% or more is required for the competency evaluation and a passing grade is required for the selected skill evaluation in order to be readmitted into the nursing program.

Students who withdrew from or who failed a course or courses that are related (e.g. NURS 136, 137 & 141) will be required to repeat all courses in the sequence.

Students may choose to repeat all courses, including those previously passed, for the semester of readmission.

Students failing either component of the readmission evaluation may choose to reapply for the nursing program with the next incoming cohort and will be held to current admission requirements.  This would be considered the one-time readmission allowable.

The statute of limitations for nursing (NURS) courses is two years.  Nursing courses taken more than 2 years prior to reapplication will be required to be repeated.

5.  Students seeking readmission into the nursing program will be required to update all requirements through Complio (CPR, immunizations, health insurance, etc.).

# ALLIED HEALTH
# Registered Nursing

## ASSOCIATE OF APPLIED SCIENCE DEGREE - REGISTERED NURSING

| TOTAL REQUIREMENTS | 71.5 UNITS |
|---|---|

| PREREQUISITE COURSES* | | 21 UNITS |
|---|---|---|
| CHEM 121 | General Chemistry I | 4 |
| or BIOL 190 | Introduction to Cell and Molecular Biology | |
| BIOL 223* | Human Anatomy and Physiology I | 4 |
| BIOL 224* | Human Anatomy and Physiology II | 4 |
| ENG 101 | Composition I | 3 |
| MATH 120 | Fundamentals of College Mathematics | 3 |
| or MATH 124 | College Algebra | |
| | or higher level of math (STAT 152 is acceptable) | |
| PSY 101 | General Psychology | 3 |

*BIOL 223 & BIOL 224 must be completed at the same college or university if taken at an institution other than within Nevada System of Higher Education.
NOTE: Statute of Limitation for science courses is five years by the date of application to the nursing program.

Current CNA Certification or completion of NURS 129 or NURS 130 is required within five years of the date of application to the nursing program.

| COREQUISITE (NON-NURSING) COURSES | | 10 UNITS |
|---|---|---|
| BIOL 251 | General Microbiology | 4 |
| ENG 102 | Composition II | 3 |
| U.S./Nevada Constitutions Course (PSC 101, HIST 111 or CH 203 recommended) | | 3 |

Note: Corequisite courses must be completed by the end of the fourth semester of the nursing program. See the Associate of Applied Science degree for more information on courses fulfilling the general education requirement. Completion of Chemistry 121 or Biology 190, 223, 224 and 251 fulfills the science general education requirement for the Associate of Applied Science degree in Nursing.

### REGISTERED NURSING - Associate of Applied Science Suggested Course Sequence

| FIRST YEAR: FALL SEMESTER COURSES | | 10 UNITS |
|---|---|---|
| NURS 136 | Foundations of Nursing Theory | 3 |
| NURS 137 | Foundations of Nursing Laboratory | 1 |
| NURS 141 | Foundations of Nursing Clinical | 2 |
| NURS 147 | Health Assessment Theory | 2 |
| NURS 148 | Health Assessment Laboratory | 1 |
| NURS 152 | Foundations of Pharmacology in Nursing I | 1 |
| **FIRST YEAR: SPRING SEMESTER COURSES** | | **11 UNITS** |
| NURS 149 | Mental Health and Illness Theory | 3 |
| NURS 151 | Mental Health and Illness Clinical | 1 |
| NURS 153 | Foundations of Pharmacology in Nursing II | 1 |
| NURS 165 | Medical Surgical Nursing I Theory | 3 |
| NURS 166 | Medical Surgical Nursing I Laboratory | 1 |
| NURS 167 | Medical Surgical Nursing I Clinical | 2 |
| **SECOND YEAR: FALL SEMESTER COURSES** | | **9 UNITS** |
| NURS 156 | Foundations of Pharmacology in Nursing III | 1 |
| NURS 261 | Nursing Care of the Family Theory | 2 |
| NURS 262 | Nursing Care of the Family Lab/Clinical | 1 |
| NURS 270 | Advanced Clinical Nursing I Theory | 3 |
| NURS 271 | Advanced Clinical Nursing I Clinical | 2 |
| **SECOND YEAR: SPRING SEMESTER** | | **10.5 UNITS** |
| NURS 261 | Nursing Care of the Family Theory | 2 |
| NURS 262 | Nursing Care of the Family Lab/Clinical | 1 |
| NURS 276 | Advanced Medical Surgical Nursing II Theory | 3 |
| NURS 277 | Advanced Medical Surgical Nursing II Clinical | 2.5 |
| NURS 284 | Role of the ADN Manager of Care | 2 |

Note: The sequence of some courses in the second year for fall and spring semesters may be altered.

# CONTINUING EDUCATION
# Professional Development and Personal Interest

WNC Continuing Education offers courses* in Carson City, Fallon and online, open to any member of the community. We provide opportunities to learn new skills, advance your career and better your life in a low-pressure, encouraging environment. Our goal is to meet your needs, provide you with clear pathways to meet your goals and inspire you to keep learning! **To register: visit www.wnc.edu/continuing-education or call (775) 445-4210.**

## MOTORCYCLE SAFETY

**BASIC RIDERCOURSE**
Get your M-class endorsement and learn the basics of safely riding a motorcycle with our single-weekend Basic RiderCourse.

**ADVANCED RIDERCOURSE**
This single-day class is designed for riders with real road time and mileage on a motorcycle. Learn advanced cornering techniques, swerving, avoiding traps, emergency stops and more.

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Our online courses offer self-paced or instructor-led options. Most courses are 6 weeks long. Visit ed2go.com/wnc to see our full catalog.

**BLOGGING AND PODCASTING FOR BEGINNERS**
Learn to plan and create your very own blog and podcast.

**BASIC COMPUTER SKILLS SUITE**
Learn touch-typing, computer skills for the workplace, and get an introduction to PC troubleshooting.

**LEARN TO BUY AND SELL ON EBAY**
Auction pros teach you how to work from home or earn extra income by buying and selling goods online.

## CAREER TRAINING ONLINE COURSES

Get the career skills and certifications you need with these open-enrollment online courses. Everything you need to complete your course (including exam fees, software and books) is included in the cost of tuition, and most courses take 6 months – 1 year to complete. Funding options are available through JOIN, Inc., Community Chest of Northern Nevada and the Nye Communities Coalition. Visit careertraining.ed2go.com/wnc for more information.

**MEDICAL BILLING AND CODING**
A comprehensive course that prepares you to earn a certification as a medical biller and coder.

**CERTIFIED CLINICAL MEDICAL ASSISTANT**
Prepare for a rewarding career in healthcare and earn your CCMA certification.

**CERTIFIED PROFESSIONAL LIFE COACH**
Learn the core competencies of a life coach and create your own distinctive coaching style.

**PHARMACY TECHNICIAN**
Gain the skills and knowledge to qualify for an entry-level position in a pharmacy and get prepared for your national certification exam.

## COMMERCIAL DRIVER TRAINING PROGRAM

Ready to hit the road? Let us help! Our Commercial Driver Training program will provide you with the knowledge and skills to obtain your Class A Driver's License. As part of the course, we'll connect you with employers who are eager to hire our graduates, so you can walk straight out of class and into a job with a family-sustaining wage.

Trucks, trailers and state-of-the-art simulators are provided for student use. Scholarships are available for students who qualify.

**CALL OR VISIT US ONLINE FOR OUR MOST CURRENT CLASS LISTINGS.**

**(775) 445-4241 - Carson City**
**wnc.edu/continuing-education**

*Continuing Education classes do not offer credits toward the completion of an associate or bachelor's degree. Certifications and certificates of completion are designed to promote career advancement and personal growth.*

# ACCEL
### College and Career Readiness at WNC

**FREE INSTRUCTION & RESOURCES FOR STUDENTS**

# Preparing you for academic and professional *success!*

## Learn English for non-native speakers

• Participate in classes for English learners at all levels
• Gain valuable communication skills
• Boost confidence
• Prepare for college or careers

## Prepare for the HiSET or GED Exam

• Earn the Nevada Certificate of High School Equivalency
• Enroll in classes to prepare for the exams (HiSET or GED)
• Take the GED and HiSET exams in WNC's official testing center
• Take advantage of fast-track preparation options

## Start your college journey here!

• Build academic skills for college success
• Improve basic computer skills
• Earn credentials for in-demand jobs
• Access to tuition assistance *(available for eligible participants)*

**ACCEL Office • 2201 West College Parkway, Bristlecone Building, Room 340**

*Scan to learn more!*

# Western Nevada College
# WROADS

**Realizing Opportunities for the American Dream to Succeed**

# Paving the state's economy with a *skilled workforce!*

The **ROADS** program provides support and access to training for unemployed/underemployed participants who want to pursue training and certifications in high demand occupations such as manufacturing, health care, technology, and building trades so they become employed in stable jobs. Participants in the program will receive financial support for various costs (e.g. training, certifications, testing, books, materials and/or supplies), mentorship, and access to workshops and employment opportunities. Individuals participating in the **ROADS** program must be motivated to advance their careers with the intent of living and working in Nevada immediately following certification or degree attainment.

Individuals interested in additional mentorship and support with career preparation, professional development, and employment are encouraged to apply to the **ROADS** program.

**To learn more about the ROADS program or to apply, go to wnc.edu/ROADS**

# NEW FALL 2024



## Wildcat Career Services

*Building tomorrow's workforce, today!*

**LAUNCHING FALL 2024** - Wildcat Career Services links students and employers through comprehensive services and resources that equip students with essential professional skills for career success and supports employers in connecting with the college.

**Handshake** / **WESTERN NEVADA COLLEGE**

**SKILLUP**

**Nevada CareerExplorer** powered by **Headed2**

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**COME SEE US IN ASPEN 102!**

**Career Service Specialist**
Phone 775-445-4423

**Employer Relations Specialist**
Phone 775-445-4296

# Earn while you learn!

**Apprenticeship programs prepare students to become skilled in a trade or profession by combining classroom learning with hands-on, on-the-job training.**

## CHECK OUT THESE OPPORTUNITIES WITH WNC'S PARTNERS!



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- Meet federal and state requirements for prevailing wage work
- Earn an apprenticeship certificate and credits toward an Associate's degree
- Graduate with recognition at the journey level and advancement opportunities

**LEARN MORE: abcnevada.org/students**
**775-358-7888 • tanya@abcnevada.org**



### NORTHERN NEVADA LABORERS' UNION LOCAL 169 – CONSTRUCTION CRAFT LABORERS

- Train in general construction, pipe laying, concrete, safety and more
- Earn industry certifications and college credits toward a skills certificate
- Graduate with journeyman level skill to earn higher pay

**LEARN MORE: local169training.com**
**775-343-0171 • laborerstraining@local169.com**



### NORTHERN NEVADA INDEPENDENT ELECTRICAL CONTRACTORS – ELECTRICAL TRAINING PROGRAM

- Prepare for the Independent Electrical Contractors 1st Year Exam
- Earn college credits toward an industry skills certificate or continue to an associate's degree
- Gain access to career opportunities with electrical, low voltage and renewable energy employers

**LEARN MORE: nnviec.org/education**
**775-315-7260 • director@nnviec.org**

# Join ASWN, become a larger part of the campus

One way for students to enhance their undergraduate studies and higher education experiences at Western Nevada College is to join student government.

The Associated Students of Western Nevada (ASWN) is a vibrant and highly visible group of students who represent the student body of WNC. These dedicated students, who attend classes on the Carson City and Fallon campuses, coordinate student activities and organizations, and help assess student needs.

"When I first attended Western Nevada College, I was petrified because I was alone in starting college and I had no idea what to expect. I was scared, lost and had no idea what I wanted to do in life," said Catalina Wilson, ASWN's 2023-24 secretary and presidential candidate for 2024-25. "My first interaction with ASWN was attending Welcome Back Week, where I attended events and provided lunches. I felt included and welcomed onto the campus where everyone greeted me and were nothing but nice."

Wilson said that the Student Center quickly became her go-to place on campus because she felt welcomed there and was encouraged to come back.

"Now, it's now my goal to do the same for someone else because no one wants to be alone and it makes all the difference for a stranger to take the time out of their day and say, 'Hello, welcome in!'" she said. "Feeling like a part of this campus was a huge factor in my passion for success because if I didn't become a part of the campus, I wouldn't have stayed nor felt compelled to complete my degree."

Any student who is enrolled at WNC can be a member of the ASWN. By joining ASWN, in addition to representing WNC's student body, officers will organize timely and interesting events on campus, serve on college committees, build leadership skills and serve the community. Some of these officer positions are paid.

One of the highlights for student government each year is ASWN's presentation of the Awards and Appreciation Ceremony in the spring, recognizing outstanding students, faculty and staff.

If you have any questions about the ASWN or how student government can help you, please feel free to contact us at ASWN@wnc.edu or by phone at 775-445-3324.

# Fund Your *Future*

## WNC FOUNDATION SCHOLARSHIP PROGRAM

The WNC Foundation Scholarship Program is designed to provide encouragement, public recognition and financial support to students pursuing higher education at Western Nevada College. The program is supported by generous contributions from individuals, organizations, corporations and foundations. Scholarships range from $500 to $7,000 per year. Your accurate completion of the scholarship application will ensure you are considered for every scholarship for which you qualify.

## Scholarship Application Requirements

With over 500 different scholarships available, all Western Nevada College students should apply. The application cycle opens October 1st and runs through April 1st of the year prior. Minimum criteria for consideration include a GPA of 2.0 on a 4.0 point scale and a minimum course load of six credits. Applicants must submit a complete application by the deadline date in order to be considered. Nursing students are eligible to apply from June 30th through July 21st, following their acceptance into the nursing program.

Letters of recommendation are not required. Please be prepared to provide a short personal statement and a statement describing your commitment to community service. Additional questions correspond to criteria within each unique scholarship. With this one, easy application you will be considered for all Foundation scholarships totaling over **$800,000**.

## When and How to Apply

The application period begins October 1 of each year. Applications are submitted online and the entire package must be submitted by April 1. Students must re-apply every year. Awards will be announced by August. To begin the application process, go to **wnc.edu/scholarship.** For more information, please call the Foundation office at **775-445-3240**.

## wnc.edu/scholarship

# CAMPUS RESOURCES

**ADMISSIONS & RECORDS**
Applying for admission is the first step to attending WNC. Our admissions team can help you access your myWNC account, assist you with registration and more!
wnc.edu/admissions | 775-445-3277

**BUSINESS OFFICE/PAYMENTS**
Paying fees on time is important for student success. WNC's Business Office offers payment plans to make paying for college easier.
wnc.edu/admissions/fees | 775-445-4221

**ACADEMIC ADVISING AND ACCESS**
Academic advising is available to help students make important decisions regarding educational goals and career pathways. The goal of our office is to help you stay on track toward graduation.
wnc.edu/advising | Carson City 775-445-3267 | Fallon 775-445-3379

**DISABILITY SUPPORT SERVICES**
Students with disabilities are provided equal access to higher education through academic support services, technology and advocacy in order to promote their independence, retention and graduation.
wnc.edu/dss | 775-445-4459

**FINANCIAL ASSISTANCE**
Our financial assistance team aims to help reduce financial barriers so you can thrive at WNC.
wnc.edu/aid | 775-445-3264

**LATINO OUTREACH**
Our Latino Outreach team is dedicated to assisting first-generation Latino students in order to promote enrollment, course completion and degree attainment.
wnc.edu/advising/latino-outreach | 775-445-3267

**VETERANS ASSISTANCE**
With the motto of "Vets helping Vets" this office focuses on assisting vets and their families in the transition to higher education.
wnc.edu/vrc | 775-445-3301

| **Carson City Campus** | **Douglas Campus** | **Fallon Campus** |
| --- | --- | --- |
| **2201 W. College Parkway** | **1680 Bently Parkway South** | **160 Campus Way** |
| **Carson City, NV 89703** | **Minden, NV 89423** | **Fallon, NV 89406** |
| **775-445-3000** | **775-445-3000** | **775-445-3379** |

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