WESTERN NEVADA COLLEGE

Academic Program Guide

Start Here - Go Anywhere

Fall 2017 - Summer 2018

Degrees & Certificates

Western Nevada College offers academic degrees and programs to meet a variety of educational goals. You may wish to learn technical skills, or you may be preparing to transfer to a four-year college or university. A number of one-year certificates are also offered in technical areas.

Associate of Arts

Associate of Science

Associate of Business

Associate of General Studies

Associate of Applied Science

- Accounting
- Business
- Criminal Justice
- Deaf Studies
- Automated Systems
- Automotive Mechanics
- Computer Information Technology
- Construction
- General Industrial Technology
- Graphic Communications
- Machine Tool Technology
- Management
- Mechatronics
- Nursing
- Welding

Bachelor of Applied Science in Construction Management

Certificates of Achievement and Workforce Certifications for more than 15 career pathways.

Get Started!

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

Apply for Admission

www.wnc.edu/starthere/

Take Placement Tests

Students who have not taken the ACT or SAT will need to take placement tests.
Appointments for testing are made through WNC's Counseling Services Office.

Attend an Orientation

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

Meet with a Counselor

Before registering for classes, meet with a counselor for academic advisement.
Our counselors can help you plan a schedule that works for you and your goals.

Apply for Financial Assistance

The WNC Foundation awards over $200,000 in scholarships each year.
Grants, loans and on-campus student work are available.

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.

Register for Classes

Class enrollment is done through **myWNC** at **my.wnc.edu**

Pay Fees

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

www.wnc.edu/starthere/

CAREER DEGREES

OCCUPATIONAL PROGRAMS

WNC offers two-year career preparation programs in many areas. Students learn technical skills that lead to jobs while earning an Associate of Applied Science degree.

A four-year Bachelor of Applied Science degree in Construction Management is available to help students climb a career ladder from learning basic construction skills, to becoming a construction manager.

Bachelor of Applied Science Degree

- Construction Management

Associate of Applied Science Degree

- Business - Accounting
- Business - General
- Business - Management
- Criminal Justice
- Deaf Studies
- Graphic Communications
- Nursing
- Technology
  - Automated Systems
  - Automotive Mechanics
  - Computer Information Technology
  - Construction
  - General Industrial
  - Machine Tool
  - Mechatronics
  - Welding

SKILL DEVELOPMENT

Associate of General Studies Degree

This general degree fits a wide variety of needs. Work closely with a counselor to determine if this degree meets your goals.

Certificate of Achievement

One-year academic programs that provide specific career skills.

- American Sign Language
- Automotive Mechanics
- Bookkeeping
- Business
- Computer Technology, Network Support Technician
- Computer Technology, System Administration Technician
- Criminal Justice - General
- Early Childhood Education
- General Industrial Technology
- Graphic Communications
- Industrial Electronics Technology
- Machine Tool Technology
- Mechatronics Foundation
- Welding Technology

Workforce Certifications

Prepare for a career in as little as 8 weeks by earning industry-recognized credentials.

- Automotive Service Excellence
- Autobody Collision & Repair
- Bookkeeping
- Business
- Certified Inspector of Structures
- Certified Nursing Assistant
- Cisco Certified Networking Associate
- CompTIA Security+
- Construction Craft Laborer
- Deaf Studies - Interpreting
- Emergency Medical Services
- Industrial Electronics Technician
- Machine Tool Technology
- Manufacturing Technician
- Mechatronics System Assistant
- Microsoft Certified Technology Specialist
- Microsoft Certified IT Specialist
- Phlebotomy/Venipuncture
- Ramsdell Construction Academy
- Real Estate
- Teacher Education
- Welding Certification

TRANSFER DEGREES

Associate of Arts • Associate of Business • Associate of Science

Transfer degrees are for individuals who plan to transfer from WNC to a four-year college or university to pursue a bachelor's degree. At WNC, students receive quality education at a lower cost, with smaller classes and a comfortable learning environment.

ASSOCIATE OF ARTS DEGREE

- Agriculture Science
- Anthropology
- Art
- Art History
- Communication Studies
- Community Health Sciences
- Criminal Justice
- Criminal Justice (PreLaw)
- Economics
- English
- Environmental Science
- Forest Management & Ecology
- French
- General Studies
- Geography
- History
- Human Development & Family Studies
- Integrated Elementary Teaching
- International Affairs
- Journalism
- Music
- Music Education
- Music: Applied (Instrumental, Jazz, Voice)
- Nursing
- Philosophy
- Philosophy (Ethics, Law & Politics)
- Political Science
- Psychology
- Rangeland Ecology & Management
- Secondary Education
- Social Work
- Sociology
- Spanish
- Speech Pathology
- Theatre
- Veterinary Science
- Women's Studies

Teacher Education Bachelor Degree Partnership
Nevada State College *....see page 31*

**NOTE: Transfer degrees enable students to pursue a variety of majors. Listed are the current majors at UNR.*

ASSOCIATE OF SCIENCE DEGREE

- Atmospheric Science
- Biochemistry & Molecular Biology
- Biology
- Biomedical Engineering
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science & Engineering
- Ecohydrology
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Environmental Science
- Geological Engineering
- Geology
- Geophysics
- Hydrogeology
- Materials Science & Engineering
- Mathematics
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering
- Molecular Biology/ Immunology
- Neuroscience
- Nutrition
- Physics
- Secondary Education (Nevada Teach)
- Wildlife Ecology & Conservation

ASSOCIATE OF BUSINESS DEGREE

- Accounting
- Accounting Information Systems
- Finance
- General Business
- Information Systems
- International Business
- Management
- Marketing

Students who plan to transfer should work closely with a WNC counselor and keep in contact with their intended transfer institution.

ATTEND COLLEGE ONLINE

WNC's transfer degrees can be earned online.

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 8 weeks, or achieve a degree in two years.

WNC's Counseling team is available to help you make important decisions about your future and develop an education plan that meets your goals.

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Economic Development and Continuing Education Programs ..... *Inside Back Cover*

VOLUME 13

STUDENT LEARNING OUTCOMES

INSTITUTIONAL STUDENT LEARNING OUTCOMES

Student learning is the core of WNC's mission and the college celebrates this importance with institution-wide learning outcomes. Institutional Student Learning Outcomes guide all courses, programs and degrees offered by WNC.

Students completing degrees at WNC need to demonstrate a combination of intellectual skills, personal and social responsibility, and the ability to integrate knowledge and skills to understand and solve contemporary and enduring problems.

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 & 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.

GENERAL EDUCATION STUDENT LEARNING OUTCOMES

General education provides the opportunity to further many of the Institutional Student Learning Outcomes by providing specific objectives that students are expected to demonstrate upon the completion of degrees.

The mission of general education at WNC is to provide students who complete degrees and certificates with critical life skills that will benefit them in their personal and professional endeavors.

1. Working Knowledge - Demonstrate working knowledge of key concepts, principles, themes, and major content areas needed to explain and solve discipline-specific problems.
2. Written Communication - Present substantially error-free prose suitable in style and content to the purpose of the document and the audience.
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 & Society - Describe diverse historical and/or contemporary positions on selected democratic values or practices.
6. Critical Thinking - Use critical thinking and appropriate problem solving methods to address significant or enduring problems.

College on your time & schedule

ONLINE DEGREES

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

-

Associate of Applied Science Degrees

Accounting • General Business • Criminal Justice • Graphic Communications • Management

-

Certificates of Achievement

Business • Bookkeeping • Criminal Justice • Graphic Communications • Network Support Technician

Many other programs have online courses available.

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 **www.wnc.edu/wnc-online/**

www.wnc.edu/online-programs/

Students should work closely with a counselor to help build their online degree path.

**The AS degree requires students to complete a science lab course on campus.*

TRANSFER DEGREES

Every year, large numbers of WNC students successfully transfer to other schools. Students may select a course of study that enables them to complete some or all of the lower division requirements for a four-year degree at many colleges or universities including the University of Nevada, Reno; University of Nevada, Las Vegas; Nevada State College; and schools in other states.

Associate of Arts • Associate of Business • Associate of Science

JUMP START
your college degree

The Jump Start program is a dual-enrollment opportunity for students attending Nevada high schools. Students enroll in college courses through Western Nevada College while simultaneously earning high school credits.

WNC's dual-credit Jump Start College program has been recognized as the ACT College and Career Readiness State Exemplar Award recipient.

www.wnc.edu/jump-start/

REAL COLLEGE COURSES, ON A REAL COLLEGE SCHEDULE

COMPLETE CORE COLLEGE COURSES WHILE IN HIGH SCHOOL

CREDITS TRANSFER TO A UNIVERSITY

INDUSTRY-RECOGNIZED CREDENTIALS

Prepare to Transfer to a University

Students in Northern Nevada high schools can earn up to a transferable Associate of Arts college degree and their high school diploma at the same time. All credits transfer to Nevada System of Higher Education institutions. 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.

Career & Technical Education Opportunities

Students interested in Career & Technical Education can earn 24 college units as well as industry credentials in high-demand, high-wage jobs.

Advanced Manufacturing • Automotive Mechanics

Autobody Collison & Repair

Business • Computer Information Technology • Construction

Associate of Arts

A TRANSFER DEGREE

This degree allows early choices for those planning a professional life 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 of Arts degree. Satisfactory completion of an AA degree guarantees completion of the lower division general education requirements at University of Nevada, Reno; University of Nevada, Las Vegas; Nevada State College; and many other colleges and universities.

PROGRAM REQUIREMENTS

The Associate of Arts degree is designed so students may tailor it to meet degree requirements for a variety of majors at transfer institutions.

LIBERAL ARTS REQUIREMENT - 6 units.
Choose from the following. Courses used to meet general education requirements may also be used to fulfill Liberal Arts requirements:
Any foreign language course numbered 200 or higher (AM 147, 148 accepted)
ART, ENG, MUS, THTR numbered 200 or higher
CH, HIST, PHIL numbered 200 or higher
ANTH, CRJ, ECON, HGPS, PSC, PSY, SOC, SW numbered 200 or higher
GEOG 200

TRANSFER REQUIREMENTS OR GENERAL ELECTIVES - 22–27 units.
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 Counseling Services or the UNR Transfer Center.

GENERAL EDUCATION REQUIREMENTS

33-38 units

ENGLISH/COMMUNICATIONS REQUIREMENT - 6–8 units.
English: 100 or 101, 102

FINE ARTS REQUIREMENT - 3 units.
Art: 100, 101*, 124, 141, 160, 211, 216, 231, 260, 261
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 a counselor.*

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 general education student learning outcomes.
- 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.

All courses to be counted toward this degree must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward the Associate of Arts 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 a counselor for the most current information about transferring to another institution.*

HUMANITIES REQUIREMENT - 3 units.
Core Humanities: 201, 202
English: 200, 223, 267
History: 105, 106, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210

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

MATHEMATICS REQUIREMENT - 3 units.
Mathematics: 120, 126, 127, 128, 176, 181, 182
Statistics: 152

SCIENCE REQUIREMENT - 6 units.
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 100, 113, 190 & 190L, 191 & 191L, 200
Chemistry: 100, 121, 122
Environmental Studies: 100, 101
Geography: 103, 104
Geology: 100, 101, 102, 103, 105, 127, 201
Nutrition: 121
Physics: 100, 151, 152, 180 & 180L, 181 & 181L, 182 & 182L
Note: Completion of CHEM 121 or BIOL 190 & 190L, BIOL 223 and BIOL 224, and BIOL 251 fulfills the science general education requirement.

SOCIAL SCIENCES REQUIREMENT - 3 units.
Choose from the following list:
Anthropology: 101, 201, 202, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217
Political Science: 103, 208, 231,
Psychology: 101, 102, 233, 234, 240, 261
Sociology: 101, 205, 261, 275

U.S. & NEVADA CONSTITUTION REQUIREMENT - 3 or 6 units.
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 & 102
History: 101 & 217
Political Science: 103
History and Political Science Combination (History 101 and Political Science 208)

Associate of Business

A TRANSFER DEGREE

This degree allows early choices for those planning 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. Satisfactory completion of an AB degree guarantees completion of the lower division general education requirements at UNR, UNLV, NSC, and many other colleges and universities.

All courses counting toward this degree must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward this degree. Courses that are not transferable are indicated with a non-transferable 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 a counselor for the most current information about transferring to another institution.*

PROGRAM REQUIREMENTS

Accounting: 201, 202
Economics: 102, 103, 261, 262
Information Systems: 101
Marketing: 210
Mathematics: 176
NOTE: If 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 - 12 units.
Students should take courses that meet requirements for their major at their intended transfer school. Students planning to transfer to the University of Nevada, Reno should obtain a transfer handout from WNC Counseling Services 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 REQUIREMENT - 6 units.
English: 101, 102

FINE ARTS REQUIREMENT - 3 units.
Art: 100, 101*, 124, 141,160, 211, 216, 231, 260, 261
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 a counselor.*

HUMANITIES REQUIREMENT - 3 units.
Core Humanities: 201, 202
English: 200, 223, 267
History: 105, 106, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210

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

MATHEMATICS REQUIREMENT - See Program Requirements

SCIENCE REQUIREMENT - 6 units.
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology: 100, 113, 190 & 190L, 191 & 191L, 200
Chemistry: 100, 121, 122
Environmental Studies: 100, 101
Geography: 103, 104
Geology: 100, 101, 102, 103, 105, 127, 201
Nutrition: 121
Physics: 100, 151, 152, 180 & 180L, 181 & 181L, 182 & 182L
Note: Completion of CHEM 121, BIOL 223 and BIOL 224, and BIOL 251 fulfills the science general education requirement.

SOCIAL SCIENCES REQUIREMENT - See Program Requirements

U.S. & NEVADA CONSTITUTION REQUIREMENT - 3 units.
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
Political Science: 103

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...

- Evaluate the impacts of economic systems and policies
- Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making
- Devise, implement and evaluate marketing (management) decisions, actions and outcomes
- 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 contemporay business
- Meet the general education student learning outcomes

Associate of Business - Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
ENG 101	3 ☐	ACC 201	3 ☐
ECON 102	3 ☐	ECON 261	3 ☐
MATH 176	3 ☐	MKT 210	3 ☐
FIne Arts Course	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 ☐	Humanities Course	3 ☐
Science Course	3 ☐	General Elective	6 ☐
US/Nev. Constitution	3 ☐		

Associate of Science

A TRANSFER DEGREE

This degree allows early choices for those planning a professional career in mathematics, science, engineering, technology, medicine, agriculture or related field.

The Associate of Science is designed for students who intend to transfer with junior status to a four-year college or university for a bachelor of science degree. Satisfactory completion of an AS degree guarantees completion of the lower division general education requirements at UNR, UNLV, NSC, and many other colleges and universities.

All courses counted toward this degree must be university transferable. Courses with a number under 100 (such as ENG 95) are not applicable toward this degree. Courses that are not transferable are indicated with a non-transferable 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 a counselor for the most current information about transferring to another institution.*

PROGRAM REQUIREMENTS

A minimum of 18 units chosen from the following:

MATHEMATICS REQUIREMENT - 6 units.
Math 181 or higher required.
Mathematics: 126, 127, 128, 176, 181, 182, 283, 285, 330
Statistics: 152

SCIENCE REQUIREMENT - 12 units.
Choose a minimum of 8 units from Group A.

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

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: 101
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.
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 handout from WNC Counseling Services or the UNR Transfer Center.

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 general education student learning outcomes.
- 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 transfer institution.

GENERAL EDUCATION REQUIREMENTS

A minimum of 18-23 units chosen from the following:

ENGLISH/COMMUNICATIONS REQUIREMENT - 6-8 units.
English: 100 or 101, 102

FINE ARTS REQUIREMENT - 3 units.
Art: 100, 101*, 124, 141,160, 211, 216, 231, 260, 261
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 a counselor.*

HUMANITIES REQUIREMENT - 3 units.
Core Humanities: 201, 202
English: 200, 223, 267
History: 105, 106, 207, 247
Philosophy: 101, 135, 200, 203, 204, 207, 210

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

MATHEMATICS REQUIREMENT - See program requirements

SCIENCE REQUIREMENT - See program requirements

SOCIAL SCIENCES REQUIREMENT - 3 units.
Anthropology: 101, 201, 202, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217
Political Science: 103, 208, 231
Psychology: 101, 102, 233, 234, 240, 261
Sociology: 101, 205, 261, 275

U.S. & NEVADA CONSTITUTION REQUIREMENT - 3 or 6 units.
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 & 102
History: 101 & 217
Political Science: 103
History & Political Science Combination (History 101 and Political Science 208)

Associate of General Studies

A DEGREE TO MEET A VARIETY OF NEEDS

This degree provides academic exploration for those seeking personal growth or professional advancement.

The Associate of General Studies degree has increasingly been utilized by students who intend to transfer to four-year colleges and universities. Although it was not designed for transfer, it can be used for this purpose if courses are selected carefully. The majority of the courses chosen should transfer to fulfill core and major requirements. It is recommended that anyone planning to attend the University of Nevada, Reno complete ENG 101 and 102, MATH 120 or a higher level math, and science/social science courses that fulfill UNR's core curriculum requirements.

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 College or to 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.

PROGRAM REQUIREMENTS

A minimum of 60 total units chosen from the following categories:

ENGLISH/COMMUNICATIONS REQUIREMENT - 6 units.
Must include a three-credit writing course.
Business: 107, 108
Communication: 101, 102, 113
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 REQUIREMENT - 3 units.
American Sign Language
Art
Core Humanities: 201, 202
Crafts
English: 190, 200, 223, 243, 250, 252, 267, 271, 282, 297
Foreign Languages
Graphic Communications
History: 105, 106, 207, 247
Humanities: 101
Music
Philosophy (except for PHIL 102, 114)
Theatre: 100, 105, 180

MATHEMATICS REQUIREMENT - 3 units.
Business: 109
Economics: 261, 262
Mathematics
Psychology: 210
Sociology: 210
Statistics: 152

Mission: The purpose of the Associate of General Studies degree is to provide academic knowledge and skills for personal growth, professional advancement and/or successful transfer.
Student Learning Outcomes: Students who complete an Associate of General Studies degree at WNC are expected to demonstrate that they...
- have met the general education student learning outcomes.
- know the subject matter appropriate to their fields of study.

SCIENCE REQUIREMENT - 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)
Environmental Studies
Geography: 103, 104
Geology: 105 (except for GEOL 111, 112, 113, 229)
Nutrition: 121
Physics (except for PHYS 293)

SOCIAL SCIENCES REQUIREMENT - 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
Political Science
Psychology (except for PSY 210)
Sociology (except for SOC 210)

U.S. & NEVADA CONSTITUTION REQUIREMENTS - 3 or 6 units.
Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 & 102
History: 101 & 217
Political Science: 103
History and Political Science Combination (History 101 and Political Science 208)

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.

Associate of Applied Science

A CAREER DEGREE

The Associate of Applied Science degree provides career preparation, training and industry credentials in an occupational and/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 counselor. Courses with a number under 100 (such as ENG 095) 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.

PROGRAM REQUIREMENTS ELECTIVES

36-39 units

Number of units required may vary by emphasis. Program requirements can be found on the programs of study pages. 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.

GENERAL EDUCATION REQUIREMENTS

21-24 units

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

HUMAN RELATIONS REQUIREMENT - 3 units.
Anthropology: 101, 201
Business: 110
Counseling and Personal Development: 117, 129
Criminal Justice: 270
Early Childhood Education: 121
Education 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 REQUIREMENTS - 3 units.
Choose from either humanities or social science areas:

Humanities Area:
Art: 100, 101*, 124, 160, 224, 260, 261
Core Humanities: 201, 202
English: 200, 221, 223, 250, 261, 266, 267, 271, 275
History: 105, 106, 207, 247
Humanities: 101
Music: 111*, 121, 124, 125, 134
Philosophy (except for PHIL 102, 114)
Theatre: 100, 105, 180
** Course may not meet the fine arts requirement at all universities. Please see a counselor.*

Social Sciences Area:
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 120, 215, 220, 225, 226, 230, 270
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217, 295
Political Science
Psychology (except for PSY 210)
Sociology (except for SOC 210)

MATHEMATICS REQUIREMENT - 3 units.
Business: 109
Economics: 261, 262
Mathematics
Psychology: 210
Sociology: 210
Statistics: 152

SCIENCE REQUIREMENT - 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)
Environmental Studies
Geography: 103, 104
Geology: 105 (except for GEOL 111, 112, 113, 299)
Nutrition: 121
Physics (except for PHYS 293)

U.S. & NEVADA CONSTITUTION REQUIREMENTS - 3 or 6 units.
Must meet both requirements. Choose from the following:
Core Humanities: 203
History: 101 & 217
History: 101 & 102
History: 111
Political Science: 103
History and Political Science Combination (History 101 and Political Science 208)

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: Students who complete an Associate of Applied Science degree at WNC are expected to demonstrate that they...

- have met the general education 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.

Certificate of Achievement

CAREER DEVELOPMENT

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. A minimum of 30 units are required for any certificate of achievement, although the exact number of units required may differ with specific subject matter.

All certificates include general education requirements that can be fulfilled from the following list of courses. In some cases, courses may not transfer to other Nevada community colleges and Nevada State College or to 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 a Certificate of Achievement at WNC. Courses completed through Certificates of Achievement provide basis for associate degrees.

CERTIFICATE REQUIREMENTS

30 total units chosen from the following categories:

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

HUMAN RELATIONS REQUIREMENT - 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)

MATHEMATICS REQUIREMENT - 3 units.
Business: 109
Economics: 261, 262
Mathematics
Psychology: 210
Sociology: 210
Statistics: 152

PROGRAM REQUIREMENTS - Varies by subject.
30 units are required for any certificate of achievement, although the exact number of units required may differ with particular subject matter.

Certificate of Achievement - Mission And Outcomes

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

Student Learning Outcomes: Students who complete a Certificate of Achievement are expected to demonstrate that they...

- Know the subject matter appropriate to the emphasis of the certificate.
- Are able to do the following:
  - 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.

Certification & Licensing Preparation

SKILL DEVELOPMENT

Students can earn an industry-recognized certification in as little as 8 weeks and enter the workforce above entry level.

Certification and licensing preparation programs are designed to prepare students to take state or other certified licensing exams. WNC will issue a certificate of completion for the courses of study, unless otherwise noted.

NOTE: While these courses are designed to prepare students to take a licensing exam, the completion of these courses does not include the actual licensing exam, and successful completion of the courses does not guarantee receiving the license or certification.

Advanced Manufacturing: Industrial Electronics Technology • Manufacturing Technician • Mechatronics Foundation

Allied Health: Certified Nursing Assistant • Emergency Medical Services • Laboratory Technician-Phlebotomy

Automotive Service Excellence

Business/Accounting: Bookkeeping • Real Estate

Computer Information Technology: Cisco Networking • CompTIA Security+ • Microsoft Certification

Construction: Certified Inspector of Structures • Ramsdell Construction Academy • Construction Craft Laborer

Deaf Studies - Interpreting

Machine Tool Technology

Teacher Education

Welding

ACCOUNTING

Career and Technical Education Academic Division

The accounting degree enables students to establish, maintain and manage both manual and automated accounting systems. Students can develop the necessary competencies to create and analyze information for managerial decision-making situations. In addition to this degree program, students who intend to become full-charge bookkeepers will also need experience in the field.

Associate of Applied Science - Business Degree

Salary: $29,700-$46,000/year (Nevada)
Career Outlook: Above average growth; demand is increasing as regulations for loan standards and auditing become stricter.
Good To Know: Tax preparation growth is on the decline as tax software becomes more widely used.

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

Students should consult a counselor or instructor for information regarding sequence of accounting 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.
A list of all courses filling general education requirements for the Associate of Applied Science can be found on the Associate of Applied Science page.

Business- Accounting - Mission & Outcomes

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

Student Learning Outcomes: Upon completing an AAS Business-Accounting degree from Western Nevada College, students will be able to:

1. Articulate and demonstrate their personal employment related knowledge, skills and abilities.
2. Evaluate the impact of various economic systems and policies.
3. Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making.
4. Devise, implement and evaluate managerial decisions, actions and outcomes.
5. Apply technology to aid in communications and decision-making.
6. Present research, data, analysis and conclusions through written and oral means.
7. Describe the changing landscape of the global market and its impact on the United States.
8. Summarize the impact of social, ethical, legal and diversity issues within contemporary business.
9. Develop business, financial and marketing plans for established and emerging businesses.

ACCOUNTING - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
ACC 201	3 ☐	ACC 203	3 ☐
BUS 107 or ENG 101	3 ☐	BUS 273	3 ☐
BUS 101	3 ☐	MKT 210	3 ☐
ECON 102	3 ☐	Accounting Elective	3 ☐
IS 101 or IS 201	3 ☐	U.S./Nevada Constitution	3 ☐
SECOND SEMESTER	**Completed**		
ACC 202	3 ☐	**FOURTH SEMESTER**	**Completed**
MATH: BUS 109	3 ☐	ACC 220 or ACC 223	3 ☐
or MATH 120 or higher		BUS 299	3 ☐
BUS 108 or ENG 102	3 ☐	Accounting Elective	6 ☐
ECON 103	3 ☐	Science Requirement	3 ☐
MGT 201	3 ☐		

College on your time & schedule

EARN THIS DEGREE ONLINE

BOOKKEEPING

Certificate of Achievement

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 in Business - Accounting.

Total Requirements: 30

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	3
MGT 201	Principles of Management	3

Choose 6 units from the following:

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

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

BOOKKEEPING - 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 109 or MATH 120	3 ☐	Bookkeeping Elective	6 ☐
IS 101 or IS 102	3 ☐		

BOOKKEEPING

Certificate Preparation

This course of study is for working professionals and students who wish to advance their career in the bookkeeping profession. Upon successful completion, students will be able to sit for a nationally administered exam given by the American Institute of Professional Bookkeepers. Once a student passes this exam and obtains two years of bookkeeping experience, individuals earn the right to call themselves "Certified Bookkeepers." To maintain certification, individuals are required to obtain 60 hours of continuing education over a three-year period. *Note: WNC does not issue a certificate of completion for this course.*

ACC 290	Certified Bookkeeper Course	6

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

ADVANCED MANUFACTURING

Career and Technical Education Academic Division

These program focuses on the use of innovative technologies and skilled professionals to improve products and processes. Students focus on the integration of high-tech equipment, automation, computer software, and electronic technologies to control industrial systems and machines in manufacturing, distribution and logistics environments. Courses include electrical and fluid power fundamentals, wiring and electronic controls, and robotics, as well as production operations and troubleshooting to provide students with technical theory and hands-on practice to maintain and operate automated systems for a variety of industries.

AUTOMATED SYSTEMS

Associate of Applied Science - Technology Degree

This degree further develops knowledge and skills for the automated environment where the integration of computers and electronic technologies control industrial systems and machines in manufacturing, distribution and logistics environments. The MT1 credential is earned as part of this degree and courses include SolidWorks for 3-D modeling and Alternative Energy, in addition to electronics used in manufacturing, integrated computer tools, wiring and PLC electrical controls. This degree provides students with technical theory and hands-on practice to install, operate and maintain automated systems for a variety of industries.

Salary: $44,900-$71,500/year (Nevada)
Career Outlook: Average growth
Good To Know: Offers broad career opportunities & room for advancement. Offers broad career opportunities in automated environments of manufacturing, logistics and distribution.

Total Requirements: 60 units

Program Requirements		36 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 121	Electrical Control Systems	1
AIT 155	Applied Hands-on AIT Labs	3
ET 104	Fabrication/Soldering Techniques	3
ET 131	DC for Electronics	4
ET 132	AC for Electronics	4
MT 115	Applied Programmable Logic Controllers	3

Choose at least 14 units from the following program electives:		
CADD 100	Introduction to Computer Aided Drafting	3
CADD 245	Solid Modeling and Parametric Design (SolidWorks)	3
CIT 161	Essentials of Information Security	3
DFT 110	Blueprint Reading for Industry	3
Any AIT, ELM, ET or MT course		Units Vary

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	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.

AUTOMATED SYSTEMS - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
ET 131	4 ☐
ET 132	4 ☐
ENG: BUS 107	3 ☐
Humanities/Social Science Course	3 ☐

SECOND SEMESTER	Completed
AIT 101	4 ☐
AIT 155	3 ☐
ET 104	3 ☐
MATH 110	3 ☐
Human Relations Course	3 ☐

THIRD SEMESTER	Completed
English	3 ☐
US/Nev. Constitution	3 ☐
Program Elective	8-10 ☐

FOURTH SEMESTER	Completed
MT 115	3 ☐
AIT 121	1 ☐
General Elective	3 ☐
Science Course	3 ☐
Program Elective	4-6 ☐

GENERAL INDUSTRIAL TECHNOLOGY

Associate of Applied Science

This degree is designed to develop skills and knowledge that can be applied in a variety of industries and facilities with a focus on installation, maintenance and management of technical, electrical and mechanical systems. A broad base of study in electronics, fluid power, mechanical systems, machine tool, welding and wiring is offered. Hands-on practice and theoretical knowledge will prepare individuals for a variety of above entry-level electrical/mechanical technician positions or technical support positions in the industrial, manufacturing, technology or commercial environments.

Salary: $35,180-$53,370/year (Nevada)
Career Outlook: Above Average Growth
Good To Know: Leads to employment as a maintenance or industrial technician

Total Requirements: 60 units

Program Requirements		36 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 155	Applied Hands-on AIT Labs	3
DFT 110	Blueprint Reading for Industry	3
Any MTT courses		5
Any WELD courses		5

Choose at least 16 units from the following: AIT, CADD, ELM, ET, ENRG, IT, MTT, MT, WELD

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 Requirement	3
General Elective	3

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

GENERAL INDUSTRIAL - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
AIT 101	4 ☐
DFT 110	3 ☐
English Course: BUS 107	3 ☐
MTT 105	3 ☐
MATH 110	3 ☐

SECOND SEMESTER	Completed
AIT 155	3 ☐
English	4 ☐
MTT 110	3 ☐
Science Elective	3 ☐
Program Elective	3 ☐

THIRD SEMESTER	Completed
Human Relations	3 ☐
Humanities/Social Science	3 ☐
Program Electives	5 ☐
WELD 211	3 ☐

FOURTH SEMESTER	Completed
General Elective	3 ☐
Program Electives	6 ☐
U.S./Nevada Constitution	3 ☐
WELD 221	2 ☐

MECHATRONICS TECHNOLOGY

Associate of Applied Science - Technology Degree

This degree program ensures experience with an understanding of the principal operations of mechatronic subsystems in a complex system, as aligned with the rigorous Siemens industry certification exam objectives. The program courses include specialization in electricity, mechanics, fluid power and programmable logic controllers while solidifying skills for advanced manufacturing, including project management, process management and optimization, research, cost control, safety, documentation and effective teamwork. The degree specialization will prepare students for certification as a Level 2 Siemens Certified Mechatronic Systems Associate.

Salary: $50,000-$75,000/year (Nevada)
Career Outlook: Above Average Growth
Good To Know: Leads to employment as: Manufacturing Technician, Engineering Technician, Industrial Technician, Robotics Technician, Systems Technician, Production Lead

Total Requirements: 60 units

Program Requirements		24 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 102	Measurement Tools and Methods	2
AIT 201	Pneumatic Power Technologies	3
AIT 250	Mechatronics: Electrical Components	3
AIT 251	Mechatronics: Mechanical Components	3
AIT 252	Mechatronics: Pneumatic and Hydraulic	3
AIT 253	Mechatronics: Programmable Logic Controllers	3
DFT 110	Blueprint Reading for Industry	3

Program Electives: Choose 12 units from:
AIT, CADD, ET, ELM, ENRG, MT

General Education Requirements:	24 Units
English/Communications Requirement:	6
Recommended: BUS 107, BUS 108 (writing course), ENG 100, 101, 102, 107 or other 200 level English course	
Human Relations Requirement	3
Recommended: BUS 110	
Humanities/Social Science Requirement	3
Mathematics Requirement	3
Recommended: MATH 110	
Science Requirement:	3
U.S. and Nevada Constitution	3
General Elective	3

NOTE: Many courses are open-entry, open-exit.

MECHATRONICS - Suggested Course Sequence

FIRST SEMESTER	Completed
AIT 101	4 ☐
AIT 155	3 ☐
AIT 200	3 ☐
Math	3 ☐
English (BUS 107 or ENG 107 Rec.)	3 ☐

SECOND SEMESTER	Completed
English	3 ☐
Science	3 ☐
DFT 110	3 ☐
AIT 102	1 ☐
AIT 201	3 ☐
Program Elective	2 ☐

THIRD SEMESTER	Completed
Humanities/Social Science Course	3 ☐
HumRel	3 ☐
Program Elective	3 ☐
AIT 250	3 ☐
AIT 251	3 ☐

FOURTH SEMESTER	Completed
General Elective	3 ☐
US/Nev. Constitution	3 ☐
AIT 252	3 ☐
AIT 253	3 ☐
Program Elective	2 ☐

Associate of Applied Science - Technology – Mission & Outcomes

Mission: The purpose of the Associate of Applied Science degree in Technology is to provide employment-related knowledge and skills necessary to succeed in a chosen field of study.
Student Learning Outcomes: Students who complete programs in occupational areas are expected to demonstrate that they...

- Know the subject matter appropriate to the emphasis of the degree.
- Are able to:
  - communicate effectively and appropriately, in oral and written form.
  - locate, evaluate and properly utilize the tools and resources appropriate to a technology professional.
  - acquire skills and perform tasks necessary for employment or career enhancement.
- Have developed:
  - an appreciation of the importance of social, ethical, legal and diversity issues.
  - an appreciation of the need and importance of lifelong learning.

INDUSTRIAL ELECTRONICS TECHNOLOGY

Certificate of Achievement

Designed to provide fundamental knowledge of and experience with industrial electronic components and systems to learn job skills applicable in a variety of technical environments including automated systems. Students will learn about and use equipment, tools, and processes that involve electrical and electronic equipment to prepare for International Society of Certified Electronics Technicians (ISCET) certification as a Certified Electronics Technician associate, and be prepared to work as a technician in assembly or troubleshooting positions.

Total Requirements: 30 credits

Subject Requirements		18 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
ET 104	Fabrication/Soldering	3
ET 131	DC for Electronics	4
MT 115	Programmable Logic Controllers	3
Choose at least four units from:		
AIT 121	Electrical Control Systems	2
AIT 155	Applied Industrial Technology Hands-on Labs	1-4
AIT 198	Special Topics in Electronics	1-4
AIT 200	Electronics Projects	1-4
ET 132	AC for Electronics	4
ET 198	Special Topics in Electronics	1-4
ET 200	Electronics Projects	1-4

General Education Requirements	12 Units
English/Communications Requirements:	
Recommended: BUS 107, and BUS 108, ENG 101 or ENG 107	
Must include a writing course	6
Humam Relations Requirement: Recommended: BUS 110	3
Mathematics Requirement: Recommended: MATH 110	3

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

GENERAL INDUSTRIAL TECHNOLOGY

Certificate of Achievement

Designed to develop skills and knowledge that can be applied in a variety of industries and facilities with a focus on installation, maintenance and management of technical, electrical and mechanical systems. Hands-on practice and theoretical knowledge will prepare individuals for a variety of entry-level electrical/mechanical technician positions or technical support positions in the industrial, manufacturing, technology or commercial environments. Students will be prepared to earn their Manufacturing Technical level 1 certification, endorsed by the National Association of Manufacturers.

Total Requirements: 30 credits

Subject Requirements		18 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
Any MTT courses		5
Any WELD courses		5
Choose at least four units from AIT, ELM, ET, ENRG, IT, MTT, MT, WELD		4

General Education Requirements	12 Units
English/Communications Requirements:	
Recommended: BUS 107, and BUS 108, ENG 101 or ENG 107	
Must include a writing course	6
Human Relations Requirement: Recommended: BUS 110	3
Mathematics Requirement: Recommended: MATH 110	3

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

MECHATRONICS TECHNOLOGY

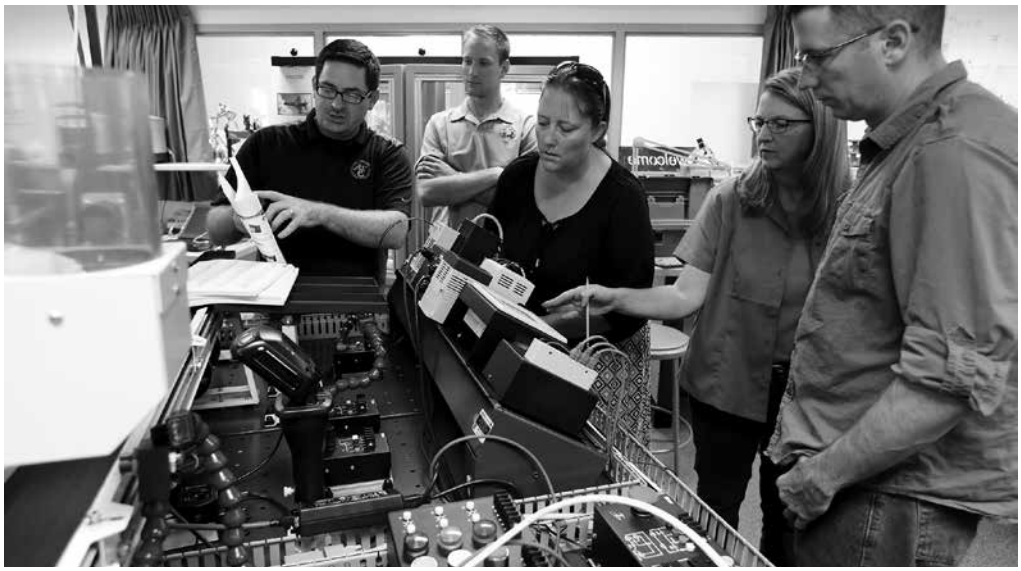
Certificate of Achievement

This certificate covers the fields of electricity, mechanics, fluid power and programmable logic controllers while also teaching important skills for advanced manufacturing, including project management, process management and optimization, cost controlling, safety and effective teamwork.

Total Requirements: 30 units

Program Requirements		18 Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 102	Measurement Tools and Methods	2
AIT 250	Mechatronics: Electrical Components	3
AIT 251	Mechatronics: Mechanical Components	3
AIT 252	Mechatronics: Pneumatic and Hydraulic	3
AIT 253	Mechatronics: Programmable Logic Controllers	3

General Education Requirements	12 Units
English/Communications Requirement:	6
Must include a writing course. Recommended: BUS 107 Business Speech and ENG 107 Technical Writing or ENG 101 Composition I	
Human Relations Requirement:	3
Recommended: BUS 110 Human Relations for Employment	
Mathematics Requirement:	3
Recommended: MATH 110 Shop Mathematics	



INDUSTRIAL ELECTRONICS TECHNOLOGY

Certification Preparation

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). Upon completion of the coursework student will have learned basic electronics, math, DC and AC circuits, transistors and troubleshooting.

		Units
ET 131	DC for Electronics	4
ET 132	AC for Electronics	4
AIT 101	Fundamentals of Applied Industrial Technology	4

MANUFACTURING TECHNICIAN

Certification Preparation

The Manufacturing Technician 1 ©(MT1) credential ensures that an individual is prepared for manufacturing positions including fundamental knowledge and skills in electrical, fluid power and control systems. The course of study includes precision measurement, process and machine troubleshooting, problem-solving, machine maintenance concepts, and basic use of diagnostic, visual and statistical tools. Students will prepare for the nationally recognized certification exams covering broad-based knowledge of the multi-step processes needed to successfully analyze, troubleshoot and solve problems beyond the scope of typical machine operators.

		Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 155	Applied Industrial Technology Hands-on Labs	3
AIT 200	Applied Industrial Technology Projects	3

MECHATRONICS FOUNDATION (LEVEL I)

Certification Preparation

Mechatronics Systems are complex electrical, mechanical and computer technologies integrated into automated systems in high-tech industrial environments. This advanced program of study prepares students to earn the Siemens Certified Mechatronic Systems Assistant Level 1 Certification, an internationally recognized credential documenting demonstrated skills with root cause analysis, historical analysis for preventive maintenance and system-level troubleshooting.

		Units
AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 250	Mechatronics: Electrical Components	3
AIT 251	Mechatronics: Mechanical Components	3
AIT 252	Mechatronics: Pneumatic and Hydraulic	3
AIT 253	Mechatronics: Programmable Logic Controllers	3

Coming Fall 2017

Mechatronics Level II Certification

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

Career and Technical Education Academic Division

This program offers students an opportunity to acquire the necessary skills and technical theory for a successful career as an automotive mechanic. Individuals who are now employed in the automotive mechanics field will be able to upgrade their knowledge. Students obtaining this associate degree will have completed courses of a very technical nature, chosen to complement each other and provide breadth and depth of diagnostic and repair skill abilities necessary to work in a service facility.

AUTOMOTIVE MECHANICS

Associate of Applied Science - Technology Degree

Salary: $29,990-$50,960/year (Nevada)
Career Outlook: Higher than average growth
Good To Know: Mechanics can be certified in as many as eight service areas. Most jobs are at repair shops and auto dealerships.

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	3
AUTO 210	Automatic Transmissons 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.

Associate of Applied Science - Automotive Mechanics - Mission & Outcomes

Mission: The mission of the Associate of Applied Science in Automotive Mechanics is to provide employment-related knowledge and skills necessary to succeed in the automotive field.

Student Learning Outcomes: Students who complete an Associate of Applied Science in Automotive Mechanics are expected to:

- Know the subject matter appropriate to the emphasis of the automotive field.
- Acquire skills and perform tasks necessary for employment or career enhancement.
- Present themselves effectively to a potential employer.
- Utilize appropriate resources to remain current in the automotive field.
- Are able to:
  - communicate effectively and appropriately, in oral and written form.
  - locate, evaluate and properly utilize the tools and resources appropriate to a technology professional.
  - acquire skills and perform tasks necessary for employment or career enhancement.
- Have developed:
  - an appreciation of the importance of social, ethical, legal and diversity issues.
  - an appreciation of the need and importance of lifelong learning.

AUTOMOTIVE MECHANICS - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
AUTO 101	3 ☐
AUTO 115	4 ☐
AUTO 130	3 ☐
BUS 107	3 ☐
Mathematics Course	3 ☐

SECOND SEMESTER	Completed
AUTO 117	4 ☐
AUTO 145	4 ☐
AUTO 225	4 ☐
Humanities/Social Science Course	3 ☐

THIRD SEMESTER	Completed
AUTO 155	4 ☐
AUTO 160	3 ☐
AUTO 227	4 ☐
Science Course	3 ☐

FOURTH SEMESTER	Completed
AUTO 210	3 ☐
BUS 108	3 ☐
BUS 110	3 ☐
Human Relations Course	3 ☐
U.S./Nevada Constitutions	3 ☐

Automotive Technology National Certification

Following an extensive examination of its courses, instructors and facilities, Western has earned a certification from the National Automotive Technicians Education Foundation (NATEF).

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

AUTOMOTIVE MECHANICS

Certificate of Achievement

Offers students an opportunity to acquire the necessary skills and technical theory for a successful career as an automotive mechanic. Individuals already employed in the automotive mechanics field will be able to upgrade their knowledge.

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 SERVICE EXCELLENCE

Certification Preparation

Prepares students for Automotive Service Excellence Exams.		Units
Brakes Technician		
AUTO 101	Introduction to Auto Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 145	Automotive Brakes	4
Electrical Technician		
AUTO 101	Introduction to Auto Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 117	Advanced Auto Electronics	4
Steering and Suspension Technician		
AUTO 101	Introduction to Auto Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 155	Steering & Suspension	4
Engine Performance Technician		
AUTO 101	Introduction to Auto Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 225	Engine Performance I/Fuel & Ignition	4

AUTOMOTIVE COLLISION REPAIR

Certification Preparation

Prepares students for Automotive Service Excellence and I-Car Exams.		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

BUSINESS

Career and Technical Education Academic Division

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.

GENERAL BUSINESS

Associate of Applied Science Degree

Salary: $37,990-$50,510/year (Nevada)
Career Outlook: Average growth, strong competition
Good To Know: Often includes hiring, training and supervising employees, although the increased use of computers may require managers to handle professional tasks with fewer employees.

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

Business Electives 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.
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.

Associate of Applied Science Business - Mission & Outcomes

Mission: The purpose of the Associate of Applied Science degree in Business is to provide the knowledge, skills and abilities necessary to succeed in business.

Student Learning Outcomes: Upon completing a Business Certificate or AAS Business degree from Western Nevada College, students will be able to:

1. Articulate and demonstrate their personal employment related knowledge, skills and abilities.
2. Evaluate the impact of various economic systems and policies.
3. Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making.
4. Devise, implement and evaluate managerial decisions, actions and outcomes.
5. Apply technology to aid in communications and decision-making.
6. Present research, data, analysis and conclusions through written and oral means.
7. Describe the changing landscape of the global market and its impact on the United States.
8. Summarize the impact of social, ethical, legal and diversity issues within contemporary business.
9. Develop business, financial, and marketing plans for established and emerging businesses

BUSINESS - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
ACC 135 or ACC 201	3 ☐
BUS 101	3 ☐
BUS 107 or ENG 101	3 ☐
IS 101 or IS 201	3 ☐
ECON 102	3 ☐

SECOND SEMESTER	Completed
ACC 201 or ACC 202	3 ☐
BUS 108 or ENG 102	3 ☐
BUS 109 or MATH 120	3 ☐
ECON 103	3 ☐
MGT 201	3 ☐

THIRD SEMESTER	Completed
BUS 273	3 ☐
MKT 210	3 ☐
Business Elective	6 ☐
Science Course	3 ☐

FOURTH SEMESTER	Completed
Business Elective	9 ☐
BUS 299	3 ☐
U.S./Nevada Constitution	3 ☐

College on your time & schedule

EARN THIS DEGREE ONLINE

BUSINESS

Certificate of Achievement

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		21 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

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

BUSINESS - 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 109 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 ☐

REAL ESTATE

Certification Preparation

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

		Units
RE 101	Real Estate Principles	3
RE 103	Real Estate Principles II	3

COMPUTER INFORMATION TECHNOLOGY

Career and Technical Education Academic Division

This program is designed to prepare students to work in many different fields, supporting the technological systems, networks and programming efforts that drive society and the economy. These students may choose a variety of options that will help fill the vital roles in today's connected and collaborative business environment. Courses provide students with readily recognizable credentials that are portable to business, industry and further education.

The core curriculum is based on the recommendations of the Association for Computing Machinery/Special Interest Group Information Technology Education (ACM/ SIGITE). Students may specialize in a specific area (programming, networking or systems administration) or customize their own course selection to meet personal educational and business-related goals.

COMPUTER INFORMATION TECHNOLOGY

Associate of Applied Science - Technology Degree

Salary: $35,730-$58,330/year (Nevada)
Career Outlook: Much faster than average growth
Good To Know: Businesses & organizations are investing heavily in 'cyber-security' and using technology and computers as a solution to problems.

Total Requirements: 60 units

Program Requirements		36 Units
CIT 114	IT Essentials	4
CIT 128	Introduction to Software Development	4
CIT 161	Essentials of Information Security	3
CIT 263	Introduction to IT Project Management	3
INF 100	Introduction to Informatics I- Basic Concepts	3

Choose 19 units from one of the following:

CIT 129	Introduction to Programming	3
CIT 130	Beginning JAVA	3
CIT 133	Beginning C++	3
CIT 173	Linux Installation and Configuration	3
CIT 174	Linux System Administration	3
CIT 180	Database Concept and SQL	3
CIT 211	Microsoft Networking I	4
CIT 212	Microsoft Networking II	4
CIT 213	Microsoft Networking III	4
CIT 214	Microsoft Networking IV	4
CIT 230	Advanced JAVA	3
CIT 233	Advanced C++	3
CIT 238	Introduction to Smartphone Application Development	3
CSCO 120	CCNA Internetworking Fundamentals Elective	4
CSCO 121	CCNA Routing Protocols & Concepts	4
CSCO 130	Fundamentals of Wireless LANs	4
CSCO 220	CCNA LAN Switch Wireless	4
CSCO 221	CCNA WAN Fundamentals	4
CSCO 230	Fundamentals of Network Security	4
GRC 183	Design with Photoshop	3
IS 101	Introduction to Information Systems	3
IS 201	Computer Applications	3

General Education Requirements	24 Units
English/Communications Requirement: *Recommended: ENG 101 and ENG 107 Must include a writing course*	6
Human Relations Requirement	3
Humanities/Social Science Requirements	3
Mathematics Requirement: *Recommended: MATH 126 or higher*	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.

Associate of Applied Science - Technology - Mission & Outcomes

Mission: The purpose of the Associate of Applied Science Technology Degree in Computer Information is to provide graduates with up-to-date training in the management of information resources, including computer and networking operations, infrastructure and information security.

Student Learning Outcomes: Students who complete the AAS Technology degree in Computer information are expected to be able to:

- Apply knowledge of computing and information technology appropriate to the discipline
- Analyze a problem, and identify and define the technology requirements appropriate to its solution
- Design, implement and evaluate a computer-based system, process, component, or program to meet desired needs
- Function effectively on teams to accomplish a common goal
- Understand professional, ethical, legal, security, and social issues and responsibilities
- Communicate effectively with a range of audiences
- Analyze the local and global impact of computing on individuals, organizations and society
- Recognize the need for, and an ability to engage in, continuing professional development
- Use and apply current technical concepts and practices in the core information technologies
- Effectively integrate IT-based solutions into the user environment
- Understand best practices and standards and their application.

TECHNOLOGY - COMPUTER INFORMATION - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 ☐	Program Elective	3 ☐
CIT 128	4 ☐	Program Elective	4 ☐
ENG 101	3 ☐	Program Elective	3 ☐
Program Elective	3 ☐	Human Relations Course	3 ☐
		Humanities/Social Science Course	3 ☐
SECOND SEMESTER	Completed		
CIT 161	3 ☐	FOURTH SEMESTER	Completed
INF 100	3 ☐	CIT 263	3 ☐
Program Elective	3 ☐	ENG 107	3 ☐
Science Course	3 ☐	General Elective	3 ☐
Mathematics Course	3 ☐	Program Elective	3 ☐
		US/Nev. Constitution	3 ☐

Programming Electives: CIT 129, CIT 130, CIT 133, CIT 238, CIT 230, CIT 233, GRC 183

Networking Electives: CIT 211, CIT 173, CIT 174, CSCO 120, CSCO 121, CSCO 130, CSCO 220, CSCO 221, CSCO 230

System Administration Electives: CIT 211, CIT 212, CIT 213, CIT 214, CIT 173, CIT 174, CSCO 130, CSCO 230

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

COMPUTER TECHNOLOGY

Network Support Technician Certificate of Achievement

Emphasizes internetworking hardware and prepares students to pass the Cisco Certified Networking Associate (CCNA) exam. Coursework trains students to build and maintain the equipment infrastructure and communication protocol structure necessary to support computer and communications networks.

Total Requirements: 33 – 35 units

Program Requirements		26 Units
CIT 161	Essentials of Information Security	3
CIT 263	Introduction To IT Project Management	3
CSCO 120	CCNA Interworking Fundamentals	4
CSCO 121	CCNA Routing Protocols & Concepts	4
CSCO 130	Fundamentals of Wireless LANs	4
CSCO 220	CCNA LAN Switching & Wireless Fundamentals	4
CSCO 221	CCNA WAN Fundamentals	4

General Education Requirements	7–9 Units
English/Communications Requirements: *Must include a writing course*	3
Human Relations Requirement	1–3
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.

COMPUTER TECHNOLOGY - NETWORK SUPPORT TECHNICIAN
Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
CIT 263	3 ☐	CIT 161	3 ☐
CSCO 120	4 ☐	CSCO 130	4 ☐
CSCO 121	4 ☐	CSCO 220	4 ☐
English Course	3 ☐	CSCO 221	4 ☐
Mathematics Course	3 ☐	Human Relations Course	1-3 ☐

COMPUTER TECHNOLOGY

System Administration Technician Certificate of Achievement

Emphasizes operating systems software and prepares students to pass Microsoft certification exams. Coursework trains students to support operating systems and peer communications of client-server and peer-to-peer computer networks.

Total Requirements: 33 – 35 units

Program Requirements		26 Units
CIT 161	Essentials of Information Security	3
CIT 211	Microsoft Networking I	4
CIT 212	Microsoft Networking II	4
CIT 213	Microsoft Networking III	4
CIT 214	Microsoft Networking IV	4
CIT 215	Microsoft Networking V	4
or CIT 165	Introduction to Convergence	
or ET 155	Home Technology Convergence	
CIT 263	Introduction to IT Project Management	3

General Education Requirements	7–9 Units
English/Communications Requirements: *Must include a writing course*	3
Human Relations Requirement	1–3
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.

COMPUTER TECHNOLOGY - SYSTEM ADMINISTRATION TECHNICIAN
Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
CIT 211	4 ☐	CIT 161	3 ☐
CIT 212	4 ☐	CIT 213	4 ☐
CIT 263	3 ☐	CIT 214	4 ☐
English Course	3 ☐	CIT 215, CIT 165, or ET 155	4 ☐
Mathematics Course	3 ☐	Human Relations Course	1-3 ☐

CompTIA SECURITY+

Certification Preparation

CompTIA Security+ is an international, vendor-neutral certification that demonstrates competency in network security, compliance and operational security, threats and vulnerabilities, application, data and host security, access control and identity management, and cryptography. *Note: WNC does not issue a certificate of completion for this course.*

		Units
CIT 161	Essentials of Information Security	3

MICROSOFT CERTIFICATION

		Units
Microsoft Certified Technology Specialist (MCTS)		4
CIT 211	Microsoft Certification Technology Specialist (MCTS) Windows Client Exam (currently Windows 7)	
Microsoft Certified IT Professional - Server Administrator		
CIT 212	Microsoft Networking II	3-5
CIT 213	Microsoft Networking III	3-5
CIT 214	Microsoft Networking IV	3-5

CISCO TECHNOLOGY (CSCO)

Certification Preparation

WNC is an academy for the Cisco Networking Academy Program.

CCNA Routing and Switching Preparation		Units
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing Protocols and Concepts	4
CSCO 220	CCNA LAN Switching and Wireless Fundamentals	4
CSCO 221	CCNA WAN Fundamentals	4
CCNA Security Preparation		
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing Protocols and Concepts	4
CSCO 230	Fundamentals of Network Security	4
CCNA Wireless Preparation		
CSCO 120	CCNA Internetworking Fundamentals	4
CSCO 121	CCNA Routing Protocols and Concepts	4
CSCO 130	Fundamentals of Wireless LANs	4

Course for Building Scalable Cisco Internetworks Exam; required course to become a Cisco Certified Network Specialist:

CSCO 280*	CCNP Advanced Routing	4

Course for Implementing Secure Coverged Wide Area Networks Exams; required course to become a Cisco Certified Network Specialist:

CSCO 281*	CCNP Implementing Secure Coverged Wide Area Networks	4

Course for Multilayer Switching Exams; required course to become a Cisco Certified Network Specialist:

CSCO 282*	CCNP Multilayer Switching	4

** Note: WNC does not issue a certificate of completion for this course.*

CONSTRUCTION MANAGEMENT

Career and Technical Education Academic Division

WNC's Construction program provides industry-specific training that addresses topics of critical importance to subcontractors, general contractors, superintendents and project managers. Students will study contract administration, coordination, negotiation, quality control and the management of labor resources, equipment and materials.

Bachelor of Applied Science

APPLIED BACCALAUREATE DEGREE IN 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 a counselor and be admitted into the program.

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. A minimum of 12 units must be in applicable construction courses. This requirement may be waived if the student has construction experience.
   b. 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.

2. Meet with a WNC counselor.
3. Submit application to Admission & Records.

Capstone Course-9 units.
Construction Management: 456
Choose 6 units from:
Communication: 412
Management: 462, 469

English/Communications Requirements - 9 units. Choose from:
Business: 107
Communication: 101 or 102 or 113 or 213
English: 100 or 101
English: 102

Fine Arts Requirement - 3 units. Choose from:
Art: 100, 101, 124, 141,160, 211, 216, 224, 231, 260, 261
Humanities: 101
Music, Ensemble: 101
Music: 111, 121, 124, 125, 131, 134, 135, 176
Theatre: 100, 105, 180

Humanities Requirement - 3 units. Choose from:
Core Humanities: 201, 202
English: 200, 223, 243, 250, 261, 266, 267, 271, 275
History: 105, 106, 207, 247
Philosophy (except for PHIL 102, 114)

Mathematics and Science Requirements - 12 units. Choose from:
a minimum of 4 units in mathematics and 6 units in science:
Mathematics
Mathematics: 126 & 127, 128 or higher
Statistics: 152

Science
Chemistry: 100, 121
Environmental Studies: 100
Geology: 100, 101, 103
Physics: 100, 151, 180

Social Sciences Requirement-3 units.
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 220, 230, 270
Geography: 106, 200
History: 101, 102, 111, 217, 295
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 units. Choose from:
Core Humanities: 203
History: 111 or
History: 101 & 217, or
History: 101 & 102, or
Political Science: 103, or
History and Political Science Combination (History 101 and PSC 208)

General Electives - 6 units.

CONSTRUCTION MANAGEMENT

Bachelor of Applied Science Degree

Salary: $63,300 - $97,900/year (Nevada)
Career Outlook: Above Average growth; changes in building technology and policies are increasing the demand for construction managers.
Good To Know: Construction managers are often self-employed. Those with a bachelor's degree will have the best job prospects.

Total Requirements: 120 units

Business and Management Core Requirements		12 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

Program Requirements		63 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 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 Specifications	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	45 Units
Capstone Courses (CEM 456 required)	9
English/Communications Requirements	9
Fine Arts Requirement	3
Humanities Requirement	3
Mathematics, Science and Statistics Requirements	12
Social Sciences Requirement	3
U.S. and Nevada Constitution Requirements	3
General Electives	3

Recommended: AC 198, CONS 114, CONS 116, CONS 230 or DFT 100

Bachelor of Applied Science - Mission & Outcomes

Mission: The mission of the Bachelor of Applied Science Degree in Construction Management 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 in Construction Management 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

CONSTRUCTION MANAGEMENT - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
CEM 100	3 ☐
CONS 108	4 ☐
ENG 101	3 ☐
MATH 126 or higher	3 ☐
Science Course	3 ☐

SECOND SEMESTER	Completed
CONS 109	4 ☐
CONS 118	3 ☐
CONS 120	3 ☐
ENG102	3 ☐
Math Course	3 ☐

THIRD SEMESTER	Completed
CADD 100	3 ☐
CONS 111	3 ☐
CONS 121	2 ☐
Humanities Course	3 ☐
General Elective Course	3 ☐

FOURTH SEMESTER	Completed
CONS 205	2 ☐
CONS 281	3 ☐
SUR 119	3 ☐
Economics Course	3 ☐
U.S./Nevada Constitution	3 ☐

FIFTH SEMESTER	Completed
Bus/Management Courses	6 ☐
English/Comm Course	3 ☐
Fine Arts Course	3 ☐
Science Course	3 ☐

SIXTH SEMESTER	Completed
CEM 330	3 ☐
CEM 350	3 ☐
CEM 432	3 ☐
Bus/Management Course	3 ☐
Social Science Course	3 ☐

SEVENTH SEMESTER	Completed
CEM 451	3 ☐
CEM 453	3 ☐
CEM 454	3 ☐
CEM 455	3 ☐
Bus/Management Courses	3 ☐

EIGHTH SEMESTER	Completed
CEM 452	3 ☐
CEM 485	3 ☐
CONS 451	3 ☐
Capstone Course	9 ☐

CONSTRUCTION

Associate of Applied Science - Technology Degree

Salary: $28,180-$53,160/year (Nevada)
Career Outlook: Above Average growth
Good To Know: Employment depends on economy, and layoffs may occur during times of low construction activity. Changes in building technology and policies may increase the need for construction personnel.

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	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, 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

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.

Associate of Applied Science - Technology - Mission & Outcomes

Mission: The purpose of the Associate of Applied Science degree in Technology is to provide employment-related knowledge and skills necessary to succeed in a chosen field of study.
Student Learning Outcomes: Students who complete programs in occupational areas are expected to demonstrate that they:

- Know the subject matter appropriate to the emphasis of the degree.
- Are able to:
  - communicate effectively and appropriately, in oral and written form.
  - locate, evaluate and properly utilize the tools and resources appropriate to a technology professional.
  - acquire skills and perform tasks necessary for employment or career enhancement.
- Have developed:
  - an appreciation of the importance of social, ethical, legal and diversity issues.
  - an appreciation of the need and importance of lifelong learning.

CONSTRUCTION TECHNOLOGY - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
CONS 108	4 ☐
CEM 100	3 ☐
English 101	3 ☐
Human Relations Course	3 ☐
Science Course	3 ☐

SECOND SEMESTER	Completed
CON 109	4 ☐
CONS 120	3 ☐
SUR 119	3 ☐
English 102	3 ☐
Mathematics 126 or higher	3 ☐

THIRD SEMESTER	Completed
CONS 111	3 ☐
CADD 100	3 ☐
CONS 118	2 ☐
General Elective	3 ☐
Humanities/Social Science Course	3 ☐

FOURTH SEMESTER	Completed
CONS 121	3 ☐
CONS 205	2 ☐
CONS 281	3 ☐
CONS 290	3 ☐
US/Nev. Constitution	3 ☐

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

Certified Inspector of Structures - State of Nevada

Certification Preparation

These courses fulfill the minimum course requirements needed for licensure as a certified inspector of Structures-Residential.

		Units
CONS 260	Certified Inspector of Structures-Residential	3
CONS 261	Under Floor Inspections-Certified Inspector	1
CONS 262	Above Floor Inspections-Certified Inspector	2
CONS 263	Supervised Residential Inspections for Certification	4

Ramsdell Construction Academy

Certification Preparation

Classes will prepare students for entry-level positions in the construction industry. This certificate of completion is also available to high school seniors through Jump Start CTE.

		Units
CEM 100	Fundamentals of Construction Management	3
CONS 108	Construction Methods/Materials I	4
CONS 109	Construction Methods/Materials II	4
CONS 205	Construction Safety	2
CONS 290	Internship in Construction	3
CONS 111	Commercial Building Codes	3
CONS 118	Construction Contract Documents	2
CONS 120	Blueprint Reading and Specification	3

Construction Craft Laborer

Certification Preparation

These courses prepare students for the National Center for Construction Education and Research (NCCER) Construction Craft Laborer credential, which certifies that individuals possess basic knowledge needed on any jobsite.

		Units
CEM 100	Fundamentals of Construction Management	3
CONS 108	Construction Methods/Materials I	4
CONS 205	Construction Safety	2

Construction courses follow the National Center for Construction Education and Research (NCCER) Contren Learning Series curriculum

CRIMINAL JUSTICE

Career and Technical Education Academic Division

This program is designed to prepare students for various careers within the field of criminal justice.

CRIMINAL JUSTICE

Associate of Applied Science Degree

Salary: $57,530-$80,370/year (Nevada)
Career Outlook: Average growth
Good To Know: Emphasis on public safety and security may lead to new openings; jobs will be competitive because of low turnover rate.

Total Requirements: 60 units

Program Requirements		36 Units
CRJ 101*	Introduction to Criminal Justice I	3
CRJ 102*	Introduction to Criminal Justice II	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 Procedures	3
CRJ 234*	Introduction to Courts/American Legal System	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3

Choose 6 units from the following:

Any CRJ course		1-6
ART 135	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-Fundemental Facts	3
CPD 117	Introduction to Counseling	3
CPD 129	Assertiveness Techniques I	1
STAT152	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: Recommend *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

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.

Associate of Applied Science - Criminal Justice Mission & Outcomes

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 that 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

CRIMINAL JUSTICE - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CRJ 101	3 ☐	CRJ 211	3 ☐
ENG 101	3 ☐	CRJ 222	3 ☐
General Elective	3 ☐	CRJ 234	3 ☐
Humanities	3 ☐	Program Elective	3 ☐
Math Course	3 ☐	Science Requirement	3 ☐

SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CRJ 102	3 ☐	CRJ 225	3 ☐
CRJ 106	3 ☐	CRJ 270	3 ☐
CRJ 155	3 ☐	General Elective	3 ☐
CRJ 164	3 ☐	Program Elective	3 ☐
ENG 102	3 ☐	US/Nev. Constitution	3 ☐

College on your time & schedule

EARN THIS DEGREE ONLINE

CRIMINAL JUSTICE

Certificate of Achievement

Designed for students or current peace officers seeking to advance their future in criminal justice. Students will gain knowledge and skills to obtain employment in various criminal justice occupations. Current peace officers can apply for Intermediate and Advanced POST certificates at an accelerated rate.

Total Requirements: 30 Units

Program Requirements		24 Units
CRJ 101	Introduction to Criminal Justice I	3
CRJ 102	Introduction to Criminal Justice II	3
CRJ 103	Communication Within the Criminal Justice Field	3
CRJ 164	Principles of Investigation	3
CRJ 106 or	Introduction to Corrections	3
CRJ 211	Police in America	
CRJ 222	Criminal Law and Procedures	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3

General Education Requirements	6 Units
English/Communications Requirements: *Must include writing course*	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.

CRIMINAL JUSTICE - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
CRJ 101	3 ☐	CRJ 102	3 ☐
CRJ 103	3 ☐	CRJ 106 or CRJ 211	3 ☐
CRJ 222	3 ☐	CRJ 225	3 ☐
CRJ 164	3 ☐	CRJ 270	3 ☐
English Course	3 ☐	Mathematics Course	3 ☐

DEAF STUDIES

Career and Technical Education Academic Division

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 for a variety of careers including teaching, social work, psychology, speech and language pathology or any career that interacts with the deaf.

DEAF STUDIES

Associate of Applied Science Degree

Salary: $38,790-$50,930/year (Nevada)
Career Outlook: Faster than average growth. Demand is expected to increase due in part to laws requiring that services be made available to the deaf.
Good To Know: Interpreters work in schools, public agencies and health care facilities.

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 153	Deaf Culture	3
AM 154	Deaf History	3
AM 215	Conversational ASL	4
AM 216	Receptive ASL	4

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.

AMERICAN SIGN LANGUAGE

Certificate of Achievement

Designed to develop skills in American Sign Language to provide students with a strong foundation to enter professions that provide services to the deaf or hard of hearing people.

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

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

NOTE:
**Students can take AM 145 and AM 146 in lieu of AM 140 for slower-paced courses.*
***Students can take AM 147 and AM 148 in lieu of AM 141 for slower-paced courses.*

Associate Of Applied Science - Deaf Studies - Mission & Outcomes

Associate of Applied Science 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
- Produce basic expressive/receptive signing of personal heredity and cultural traditions
- Produce basic expressive/receptive signing of biographic and autobiographic events
- Produce basic expressive/receptive signing of number systems - functional & abstract
- Produce basic expressive/receptive signing of major life activities and special occasions
- Demonstrate knowledge of linguistic, cultural, educational and social aspects of people who are deaf or hard of hearing
- Demonstrate basic knowledge of historical, political, audiological, educational and linguistic 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

DEAF STUDIES - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed
AM 140*	6 ☐
AM 151	1 ☐
AM 154	3 ☐
English/Comm. Course	3 ☐
Human Relations Course	3 ☐

SECOND SEMESTER	Completed
AM 141**	6 ☐
AM 152	1 ☐
AM 153	3 ☐
English/Comm. Course	3 ☐
Hum./ Soc. Science Course	3 ☐

THIRD SEMESTER	Completed
AM 149	4 ☐
AM 215	4 ☐
Math Course	3 ☐
US/Nev. Constitution	3 ☐

FOURTH SEMESTER	Completed
AM 150	4 ☐
AM 216	4 ☐
General Elective (Theatre 105 Recommended)	3 ☐
Science Course	3 ☐

DEAF STUDIES - INTERPRETING

Certification Preparation

This course of study prepares students to take the Educational Interpreter Performance Assessment or the National Interpreter Certification Exam.

FIRST SEMESTER		Units
AM 149	American Sign Language V	4
AM 201	Interpreting I	3
AM 215	Conversational American Sign Language	4
SECOND SEMESTER		
AM 150	American Sign Language VI	4
AM 202	Interpreting II	3
AM 216	Receptive American Sign Language	4
THIRD SEMESTER		
AM 203	Interpreting III	3

EDUCATION

Career and Technical Education Academic Division

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.

EARLY CHILDHOOD EDUCATION

Certificate of Achievement

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 counselor.

Total Requirements: 30 credits

Subject Requirements		21 Units
ECE 121	Parent Care Relations	1
ECE 122	Observation Skills	1
ECE 129	Environment for Infant & Toddler	1
ECE 204	Principles of Child Guidance	3
ECE 231	Preschool Practicum: Early Childhood Lab	3
ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3
HDFS 201	Life Span Human Development	3
Choose 1-3 credits from related courses in any of the following subject areas: Early Childhood Education, Psychology, Human Development & Family Studies		3

General Education Requirements	9 Units
English/Communications Requirements: Recommended: BUS 108; Must include a writing course	6
Mathematics Requirement: Recommended: BUS 109	3

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

NEVADA STATE COLLEGE PARTNERSHIP

Bachelor of Arts in Elementary 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 NSC, students can take classes at WNC locations and online to earn a bachelor's degree and certification in Elementary Education, K-8.

Information 775-445-4247

Coming Fall 2017

Secondary Education

TEACHER EDUCATION

Completing a two-year degree prepares students for Praxis Exams required for entrance to a four-year education program or working as a paraprofessional in the education setting. Upon completion of a bachelor's degree students can receive certification/licensing from the state as a practicing teacher, which could lead, in addition to public school teaching, to a career in private or parochial schools. Students can also become a professional/teacher's aide or a substitute teacher.

GRAPHIC COMMUNICATIONS

Career and Technical Education Academic Division

The Graphic Communications program is designed for students who seek quick access to career fields involving print design, Web design, multimedia and animation.

GRAPHIC COMMUNICATIONS

Associate of Applied Science Degree

Salary: $35,950-$56,640/year (Nevada)
Career Outlook: Average growth.
Good To Know: Opportunites are highest for graphic designers with knowledge and training in website design and animation.

Total Requirements: 60 units

Program Requirements		42 Units
ART 100	Visual Foundations	3
ART 101	Drawing I	3
GRC 103	Intro to Computer Graphics	3
GRC 109	Color and Design	3
GRC 144	Electronic Layout and Typography	3
GRC 156	Design with Illustrator	3
GRC 175	Web Design I	3
GRC 179	Multimedia Design & Production	3
GRC 183	Design with Photoshop	3
GRC 188	Web Animation I	3
GRC 275	Web Design II	3
GRC 283	Electronic Imaging	3
GRC 294	Professional Portfolio	3

Choose 3 units from the following:

ART 124	Beginning Printmaking	3
ART 135	Photography I	3
ART 141	Introduction to Digital Photography I	3
ART 160	Art Appreciation	3
ART 211	Ceramics I	3
ART 216	Sculpture I	3
ART 231	Painting I	3
ART 245	Digital Media	3
ART 260	Survey Art History I	3
ART 261	Survey of Art History II	3

General Education Requirements	18 Units
English/Communications Requirement	6
Human Relations Requirement: *PSY or SOC recommended*	3
Mathematics Requirement	3
Science Requirement	3
U.S. and Nevada Constitution Requirements	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.

Associate Of Applied Science - Graphic Communications - Mission & Outcomes

Mission: The Associate of Applied Science degree in Graphic Communications will provide employment-related knowledge and skills necessary to succeed in the graphic communications 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 Communications graduates are expected to:

- Research design problems.
- Demonstrate technical skills.
- Implement design concepts.
- Work collaboratively.
- Perform successful presentations.
- Fulfill general education student learning outcomes

The combination of student learning outcomes for this program and general education prepares students to meet the WNC Institutional Student Learning Outcomes.

GRAPHIC COMMUNICATIONS - Suggested Course Sequence

Note: The suggested course sequence is 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 175	3 ☐
ART 101	3 ☐	GRC 188	3 ☐
GRC 103	3 ☐	GRC 283	3 ☐
GRC 109	3 ☐	General Ed Courses	6 ☐
General Ed Courses	3 ☐		
		FOURTH SEMESTER	Completed
SECOND SEMESTER	Completed	GRC 179	3 ☐
GRC 144	3 ☐	GRC 275	3 ☐
GRC 156	3 ☐	GRC 294	3 ☐
GRC 183	3 ☐	General Ed Courses	3 ☐
General Ed Courses	6 ☐	Program Elective	3 ☐

College on your time & schedule

EARN THIS DEGREE ONLINE

GRAPHIC COMMUNICATIONS

Certificate of Achievement

Prepares students 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.

Total Requirements: 30 units

Program Requirements		21 Units
ART 100	Visual Foundations	3
GRC 103	Intro to Computer Graphics	3
GRC 109	Color and Design	3
GRC 144	Electronic Layout and Typography	3
GRC 156	Design with Illustrator	3
GRC 175	Web Design and Publishing I	3
GRC 183	Design with Photoshop	3

General Education Requirements	9 Units
English/Communications Requirements: *writing course required*	3
Human Relations Requirement: *PSY or SOC recommended*	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.

GRAPHIC COMMUNICATIONS - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ART 100	3 ☐	General Ed Courses	6 ☐
General Ed Courses	3 ☐	GRC 144	3 ☐
GRC 103	3 ☐	GRC 156	3 ☐
GRC 109	3 ☐	GRC 175	3 ☐
GRC 183	3 ☐		

MACHINE TOOL TECHNOLOGY

Career and Technical Education Academic Division

This program provides competency-based training for students who are interested in working in the machine trades field as a machinist, CNC programmer or machine operator. Hands-on learning is a focus of the courses students take in this industrial technology specialization.

MACHINE TOOL TECHNOLOGY

Associate of Applied Science -Technology Degree

Salary: $28,330-$47,090/year (Nevada)
Career Outlook: Average growth. Jobs available due to difficulty finding skilled workers
Good To Know: Often work with computerized numerical control (CNC) machines

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, 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 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 degree page.

Associate of Applied Science - Technology - Mission & Outcomes

Mission: The purpose of the Associate of Applied Science Degree in Technology is to provide employment-related knowledge and skills necessary to succeed in a chosen field of study.
Student Learning Outcomes: Students who complete programs in occupational areas are expected to demonstrate that they:

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

MACHINE TOOL TECHNOLOGY - Suggested Course Sequence

Note: The suggested course sequence is 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 (Bus 107 Recommended)	3 ☐	MTT 251	2 ☐
Human Relations Course	3 ☐	Humanities/Social Science Course	3 ☐
Science Course	3 ☐	Program Elective	3-4 ☐
SECOND SEMESTER	**Completed**	**FOURTH SEMESTER**	**Completed**
DFT 110	2 ☐	MTT 232	4 ☐
MTT 110	3 ☐	MTT 260	3 ☐
MTT 111	2 ☐	General Elective	3 ☐
English Course	3 ☐	Program Elective	3-4 ☐
Mathematics Course	3 ☐	U.S./Nevada Constitution	3 ☐

MACHINE TOOL TECHNOLOGY

Certificate of Achievement

Students will prepare for entry into machining occupations. Learn set up and use of industrial equipment and tools utilized by machinist to manufacture parts for all types of machines. Operation of CNC (computer numerical controlled) lathes and mills and other hand tools preparing 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

Certification Preparation

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

Level 1: Chucking, Surface Grinding and Milling

MTT 105	Machine Shop I	3
MTT 110	Machine Shop II	3
MTT 250	Machine Shop III	3

Level 3: Measurement

MTT 230	Computer Numerical Control I	4
MTT 232	Computer Numerical Control II	4
MTT 260	Machine Shop IV	3

MANAGEMENT

Career and Technical Education Academic Division

This degree is designed to provide a foundation for employment in a variety of business/managerial positions.

MANAGEMENT

Associate of Applied Science - Business Degree

Salary: $37,990-$50,510/year (Nevada)
Career Outlook: Average growth
Good To Know: Managers work in almost every industry. The increase in computer use may result in supervision of fewer people and the need for managers to independently perform more professional duties.

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.
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.

College on your time & schedule

EARN THIS DEGREE ONLINE

Associate of Applied Science - Business- Management - Mission & Outcomes

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

Student Learning Outcomes: Upon completing an AAS Business - Management degree from Western Nevada College, students will be able to:

1. Articulate and demonstrate their personal employment-related knowledge, skills and abilities.
2. Evaluate the impact of various economic systems and policies.
3. Summarize, record, analyze, interpret and communicate accounting and financial information for decision-making.
4. Devise, implement and evaluate managerial decisions, actions and outcomes.
5. Apply technology to aid in communications and decision-making.
6. Present research, data, analysis and conclusions through written and oral means.
7. Describe the changing landscape of the global market and its impact on the United States.
8. Summarize the impact of social, ethical, legal and diversity issues within contemporary business.
9. Develop business, financial and marketing plans for established and emerging businesses.

MANAGEMENT - Suggested Course Sequence

Note: The suggested course sequence is based on enrollment that begins with the fall semester. Some courses may not be taught each semester.

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
ACC 201	3 ☐	BUS 109 or MATH 120	
BUS 101	3 ☐	or higher	3 ☐
BUS 107 or ENG 101	3 ☐	MGT 235	3 ☐
ECON 102	3 ☐	MKT 210	3 ☐
IS 101 or IS 201	3 ☐	Management Elective	6 ☐
SECOND SEMESTER	**Completed**	**FOURTH SEMESTER**	**Completed**
ACC 202	3 ☐	BUS 273	3 ☐
BUS 108 or ENG 102	3 ☐	BUS 299	3 ☐
MGT 201	3 ☐	MGT 283	3 ☐
ECON 103	3 ☐	Management Elective	3 ☐
Science Requirement	3 ☐	U.S./Nevada Constitution	3 ☐

NURSING & ALLIED HEALTH

Career and Technical Education Academic Division

Associate of Applied Science - 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 exam (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. Applicants may also use the NSBN link found on the WNC Nursing & Allied Health Web page for information regarding how the board processes applicant information and identifies convictions/situations under which the NSBN will deny application for licensure.

A limited number of qualified students are admitted as first semester students utilizing the selection criteria outlined on the next page. 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.

Nursing Admission/Selection Criteria

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.

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

(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

Associate Of Applied Science - Nursing - Mission & Outcomes

Mission: The Nursing Program reflects the mission of Western Nevada College by assisting students to develop professional competencies that value nurturing and a respect for differences, use of evidence-based practice, ethical integrity, a spirit of inquiry and introspection. The development of the competencies prepares students to function as safe, entry-level professional nurses and to transfer to higher degree programs

Student Learning Outcomes:

1. Incorporate principles from the bio/psycho/social sciences, mathematics, literacy and nursing in the provision of patient care.
2. Apply the nursing process in a caring manner to safely meet the holistic needs of patients across the life span.
3. Utilize a broad range of communication skills to promote understanding.
4. Utilize a spirit of inquiry to integrate current evidence-based guidelines and nursing science when making clinical practice decisions.
5. Apply concepts of caring, cultural sensitivity and respect for all persons.
6. Apply concepts of teaching and learning to empower patients and families to effectively manage health care.
7. Incorporate principles of collaboration and teamwork with patients, families and the health care team to achieve patient-centered care.
8. Provide and manage care that reflects values of nursing within professional standards and legal parameters of the profession.

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.

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 Health Education Systems Incorporated Admission Assessment examination as part of the application process. Visit www.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.

Application and Supporting Documents: Submit the completed application with supporting documents, which include the 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.
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.

Nursing Program Readmission Policies

1. At the conclusion of each semester of study, the Nursing Program Faculty Committee discuss 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 matriculates into 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 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 seeking readmission into the nursing program will be required to demonstrate currency of knowledge and skills by passing competency evaluations for selected nursing theory and laboratory courses previously successfully completed. Students may choose the option to repeat those courses or will be required to repeat those courses if the competency evaluations are not passed. A score of 75% or more is required for each theory competency evaluation and a passing grade is required for selected skill evaluations, including basic nursing assessment skills, in order to be readmitted into the nursing program.

4. A student must submit a letter to the Director of Nursing & Allied Health informing the director that he/she wishes to challenge courses previously successfully completed. The letter must be received within two weeks of receiving the acceptance letter for readmission into the Nursing Program. Upon receipt of the letter, the director will discuss the challenge process with the students and will schedule the challenge evaluations.

5. 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 electing to challenge courses previously passed will be required to pass all courses that are related. For example, a student who had passed NURS 136 challenge evaluation but who fails the NURS 137 challenge evaluation will be required to repeat the sequence of courses.

6. Nursing courses taken more than 2 years prior to reapplication will need to be repeated.

7. Students seeking readmission into the nursing program will be required to submit an acceptable background check.

Other Important Information

- Nursing 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 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.

- 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 (Health Care Provider) or the American Red Cross (Professional Rescuer).
  - 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 may also be required by clinical sites. Students will be informed of the requirement when necessary.

NURSING

Associate of Applied Science Degree

Salary: $67,400-$93,380/year (Nevada)
Career Outlook: High growth, especially in home health care & nursing homes
Good To Know: Hospital nurses tend to earn more than nurses in doctors' offices; may include working days, nights, weekends or holidays

Total Requirements: 71.5 units

Prerequisite Courses*		21 Units
CHEM 121	General Chemistry I	4
or BIOL 190	Introduction to Cell and Molecular Biology	
and BIOL 190L	Introduction to Cell and Molecular Biology-Lab	
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 126	Precalculus I	
or higher MATH course		
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 required within five years of the date of application to the nursing program is a required prerequisite.

Corequisite (Non-Nursing) Courses		10 Units
BIOL 251	General Microbiology	4
ENG 102	Composition II	3
U.S./Nevada Constitutions Course (PSC 103, 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 190/190L, 223, 224 and 251 fulfills the science general education requirement for the Associate of Applied Science degree in Nursing.

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 II	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.

Certified Nursing Assistant - Certification Preparation

The college offers NURS 130 - Nursing Assistant, a six-unit class that prepares students to take the Nevada licensing exam for certification as a 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.

Emergency Medical Services - Certification Preparation

EMS 100 - Healthcare Provider CPR, EMS 113 - First Responder, EMS 108 - EMT Basic, and EMS 115 - Advanced EMT. EMS courses are offered in a sequential series to prepare individuals with the knowledge and skills to assess and care for patients in an emergency or in an out-of-hospital setting. Completion of selected courses is designed to prepare students to take the National Registry Examination for EMT-Basic and the appropriate Nevada EMS certification examination for Advanced EMT.

EMS 108 and EMS 115 are designed to meet the National Standard Curriculum published by the United States Department of Transportation, National Highway Traffic Safety Administration.

A background check may be required by some clinical sites prior to the start of clinical experiences. Information about how to meet this requirement will be explained by the course instructor. Drug screening may be required by health care organizations. See the Nursing & Allied Health website for the process and procedures to follow.

Laboratory Technician-Phlebotomy - Certification Preparation

Phlebotomy classes (LTE 101 and LTE 102) are listed in the class schedule under the Laboratory Technician heading. 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.

NOTE: These courses have mandatory admission requirements. See the Nursing & Allied Health Web pages for required immunizations, tests, major medical insurance and CPR certification. This information must be provided to the Nursing & Allied Health Office before permission to enroll in the course is granted. Information regarding how to submit information required to qualify for enrollment into these courses is available on the Nursing & Allied Health web pages. Students are eligible to register after all required information is received by the Nursing & Allied Health Office.

WELDING

Career and Technical Education Academic Division

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.

WELDING

Associate of Applied Science - Technology Degree

Salary: $26,840-$36,650/year (Nevada)
Career Outlook: Slower than Average Growth
Good To Know: Certification required for many jobs; most welding positions will be available in manufacturing facilities that produce or assemble metal parts or products.

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 TECHNOLOGY

Certificate of Achievement

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.

Associate of Applied Science - Technology - Mission & Outcomes

Mission: The purpose of the Associate of Applied Science Degree in Technology is to provide employment-related knowledge and skills necessary to succeed in a chosen field of study.
Student Learning Outcomes: Students who complete programs in occupational areas are expected to demonstrate that they:

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

WELDING - Suggested Course Sequence

Note: The suggested course sequence is 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 (BUS 107 Recommended)	3 ☐	General Elective	3 ☐
Human Relations Course	3 ☐	Humanities/ Social Science 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 ☐		

WELDING

Certificate Preparation

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.

		Units
Shielded Metal Arc-Welding and Gas Metal Arc-Welding		
WELD 211	Welding I	3
WELD 212	Welding I-Practice	2
WELD 221	Welding II	3
WELD 222	Welding II-Practice	2
Fluxed-Core Welding and Gas Tungston Arc-Welding		
WELD 231	Welding III	3
WELD 232	Welding III-Practice	2
WELD 241	Welding IV	3
WELD 242	Welding IV-Practice	2
AWS Code Exam		
WELD 250	Welding Certification Preparation	9

American Welding Society Accreditation

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

SPECIAL PROGRAMS

ECONOMIC DEVELOPMENT & CONTINUING EDUCATION

The college offers a number of non-credit programs and services through its Economic Development & Continuing Education Division to educate WNC students, graduates, employers and the general public. Register/View classes at: **www.campusce.net/wnc**

Community Education

Community Education offers non-credit, self-supporting, classes that enrich the cultural, social and recreational life of the community. These may include special interest courses, field trips and workshops.

The department also sponsors College for Kids, an educational enrichment program to challenge youth and offer learning experiences.

Carson City and Douglas.....775-445-4268
Fallon & Rural Centers.....775-423-7565
www.wnc.edu/continuing-education/

Economic Development

Western Nevada College provides educational opportunities and training solutions for business, industries and government or non-profit agencies. Topics include supervisory training, industrial safety, hospitality and customer service. Education and training for credit or non-credit can be delivered on-site or at WNC locations.

Carson & Douglas.....775-445-4458
Fallon.....775-423-7565
www.wnc.edu/continuing-education/economic-development/

Driver Education

New drivers can prepare for the challenges of driving (and driver license testing) in the Western Nevada College Driver Education Program. The non-credit course meets for 30 hours of classroom training and is open to students age 15 and over.

Information.....775-445-4463
www.wnc.edu/continuing-education/

Motorcycle Safety

The Motorcycle Safety program offers Basic Rider, Experienced Rider and Advanced Rider courses using curriculum from the Motorcyle Safety Foundation. Students who successfully complete the Basic Rider course receive certification that allows them to receive a Class M endorsement from the Nevada Department of Motor Vehicles. Experienced Rider and Advanced Rider courses are for riders who are looking to refresh or further develop their skills. The program operates April through October and is open to those possessing a Class C permit or license.

Information.....775-445-4268
www.wnc.edu/continuing-education/

Specialty Crop Institute

The Specialty Crop Institute provides training for alternative farming methods and crops for Nevada's high desert growing conditions. This innovative program combines classroom instruction and on-farm experiences; workshops are taught by the best of industry experts, producers and educators from across the nation. The goals of the Specialty Crop Institute are to expand and diversify Nevada agriculture.

Information.....775-423-7565, ext 2228
E-mail.....ann.louhela@wnc.edu
www.wnc.edu/sci/

Take 15 credits each semester to graduate on time, save money and start your career sooner.

Taking 12 credits each semester may qualify you as a full-time student for financial aid, but that course load will not allow you to finish your degree in two or four years.

15 to FINISH™

COLLEGE MISSION

Western Nevada College inspires success in our community through opportunities that cultivate creativity, intellectual growth and technological excellence, in an environment that nurtures individual potential and respects differences.

COLLEGE GOALS

1. STUDENT SUCCESS

WNC students graduate with a degree or certificate
WNC students engage in the college experience

2. INSTITUTIONAL EXCELLENCE

WNC is the educational institution of choice in western Nevada
All academic programming is of the highest quality
All support programs & services meet the needs of the WNC community
WNC has an exemplary system of governance and management
WNC strives for institutional sustainability

3. ONE COLLEGE SERVING MANY COMMUNITIES

WNC promotes access to higher education in western Nevada
WNC serves as a catalyst for personal and community enrichment
WNC promotes community connections

INFORMATION
775-445-3000
www.wnc.edu

WNC does not discriminate on the basis of race, color, national origin, sex, disability, age, gender identity or expression, sexual-orientation, protected veteran status, genetics, or religion in its programs and activities and provides equal access to facilities to all. Inquiries concerning the application of non-discrimination policies may be referred to:
Title IX Coordinator: (775) 445-4231, Western Nevada College, 2201 West College Parkway, Carson City, NV 89703. For further information on notice of non-discrimination, visit http://wdcrobcolp01.ed.gov/CFAPPS/OCR/contactus.cfm for the address and phone number of the office that serves your area, or call 1-800-421-3481. (Rev. 09/16)