Western Nevada College -
to help make your career a reality

Western Nevada College offers academic degrees and programs to meet a variety of educational goals. You may wish to learn technical skills or work toward a career, or you may be preparing for transfer to a four-year college or university. A number of one-year certificates are also offered in technical areas. Inside you will find specific information about each degree or certificate. WNC is here to help you make important decisions about your future, and to prepare for success!

- INFORMATION
  775-445-3000
  www.wnc.edu

TIP
CHECKLIST FOR SUCCESS...
— APPLY FOR ADMISSION
— TAKE PLACEMENT TESTS
— MEET WITH A COUNSELOR
— APPLY FOR FINANCIAL AID
— REGISTER FOR CLASSES
— ATTEND AN ORIENTATION
— PAY BY THE DEADLINE
TIP

STEPS ALONG THE WAY...
Choose the items below that pertain to you.
(You may not need all of these)

______ See a counselor
______ Develop an educational plan
______ Visit the Student Center at WNC Carson
______ Get a free planner & an ID card
______ Sign up for a Fitness Center membership in the Student Center
______ Apply early for financial aid - www.wnc.edu/studentservices/financial
______ Apply for scholarships - www.wnc.edu/studentservices/financial
______ Arrange for child care, if needed
______ Join a student club or organization
______ Visit Veterans Services located in the Financial Aid office
______ Use the library for study and research
______ Visit the Academic Skills Center for FREE tutoring

Academic Programs -
to fit your needs
Career Degrees

OCCUPATIONAL PROGRAMS & EMPHASES
WNC offers two-year career preparation programs in many areas. Students learn technical skills that lead to jobs and earn a two-year Associate of Applied Science degree. Choose from many career areas.

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

Bachelor of Technology Degree
• Construction Management

Associate of Applied Science Degree
• Business - Accounting
• Business - General
• Business - Management
• Criminal Justice - General
• Criminal Justice - Academy
• Criminal Justice - Law Enforcement
• Graphic Communications
• Nursing
• Technology - Automated Systems
• Technology - Automotive Mechanics
• Technology - Computer Information Technology
• Technology - Construction
• Technology - General Industrial
• Technology - Machine Tool
• Technology - Welding

TIP
MANAGE YOUR TIME WISELY...
A 3-credit/unit class requires three hours of in-class time per week (a 4-credit/unit class requires four hours in class per week). For every one hour you spend in class, you should set aside a minimum of two extra hours of study time outside of class (to do the reading, study for tests, etc).

If I take ____ credits/units, then I should expect to spend ____ x 3 = ____ hours per week in class and studying.

Add this number of hours to the number of hours you are working, eating, sleeping, exercising, and socializing…do you have enough hours in the week?
Skill Development

Associate of General Studies Degree
This general degree fits a wide variety of needs. See a counselor for details.

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
- Criminal Justice - Law Enforcement/Academy
- Criminal Justice - 9-1-1 Dispatch Telecommunications
- Early Childhood Education
- Graphic Communications
- Machine Tool Technology
- Retail Management
- Welding Technology

Workforce Certifications
- 9-1-1 Dispatch Training
- Automotive Service Excellence
- Bookkeeping
- Certified Inspector of Structures
- Certified Nursing Assistant
- Cisco Certified Networking Associate
- CompTIA Security+
- Deaf Studies - Interpreting
- Emergency Medical Services
- Microsoft Certified Technology Specialist
- Microsoft Certified IT Specialist
- Phlebotomy/Venipuncture
- Teacher Education
- Welding Certification
- Western Nevada State Peace Officer Academy

TIP
SUCCEED WITH ONLINE CLASSES ...
Are you ready for an online class? Online and hybrid classes are delivered using the internet. These courses are not faster or easier than in-person classes, nor are they self-paced. Answer these questions truthfully…
- Are you self-motivated?
- Is your reading comprehension good?
- Do you have strong computer skills?
- Do you feel OK about missing the social elements in the classroom?
- Do you own a computer?
- Do you have high speed internet service?
Transfer Degrees

TRANSFER PROGRAMS & EMPHASES

WNC attracts a large number of students who plan to earn a baccalaureate degree from another four-year college or university. They choose to begin their college education at WNC for many reasons, including lower tuition cost, smaller class sizes, flexible class times, and a personalized learning environment.

Associate of Arts & Associate of Science

These degrees are primarily for the student who plans to transfer from WNC to a four-year college or university to pursue a baccalaureate degree in liberal arts, sciences, humanities, math or related areas.

These programs of study can provide the first one or two years of a four-year degrees. Students can choose courses that will apply to their desired major.

TIP

CHECKLIST FOR SUCCESS...

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

WNC enables you to prepare for these areas of study

ASSOCIATE OF ARTS DEGREE
- Accounting
- Accounting Information Systems
- Agriculture Science
- Anthropology
- Art
- Art History
- Communication Studies
- Community Health Sciences
- Criminal Justice
- Criminal Justice (PreLaw)
- Economics
- English
- Environmental Science
- Finance
- Forest Management & Ecology
- French
- General Business
- General Studies
- Geography
- History
- Human Development & Family Studies
- Information Systems
- Integrated Elementary Teaching
- International Affairs
- International Business
- Journalism
- Management
- Marketing
- Music
- Music Education
- Music: Applied
- 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

ASSOCIATE OF SCIENCE DEGREE
- Atmospheric Science
- Biochemistry & Molecular Biology
- Biology
- Chemical Engineering
- Chemistry
- Civil Engineering
- Computer Science & Engineering
- Ecological Engineering
- Electrical Engineering
- Engineering Physics
- Environmental Engineering
- Environmental Science
- Geological Engineering
- Geology
- Geophysics
- Hydrogeology
- Materials Science & Engineering
- Mathematics
- Mechanical Engineering
- Metallurgical Engineering
- Mining Engineering
- Neuroscience
- Nutrition
- Physics
- Wildlife Ecology & Conservation

How WNC Courses Transfer
wnc.edu/academics/catalog/transfer/
Find What You Need

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NON-DISCRIMINATION STATEMENT
WNC is guided by the principle that there shall be no difference in the treatment of persons because of race, religion, color, age, gender, including a pregnancy-related condition, sexual-orientation, military status or military obligations, disability, including veterans with service-connected disabilities, or national origin, and that equal opportunity and access to facilities shall be available to all. Similarly, there shall be no difference in the treatment of persons who file charges of discrimination, participate in a discrimination proceeding, or otherwise oppose discrimination. It is our policy to comply fully with the non-discrimination provision of all state and federal regulations with regard to recruitment, admission, financial aid, activities, hiring, promotions, training, terminations, benefits and compensation.

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 and 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

VOLUME 10
WNC’s New Computer Information Technology Degree

Offers Students Variety of Paths, Opportunities

Students who want to learn the latest processes in technology safeguarding, advancement and management have a number of opportunities through Western Nevada College’s evolving and reshaped Computer Information Technology program.

Breaches in the security of computer networks like the one affecting millions of credit card holders at Target, and a cyber hack of the Las Vegas Sands, which caused a six-day shutdown of the casino’s website, emphasize the need for formally trained computer technicians.

Jobs are available and Western Nevada College students can pursue Associate of Applied Science Technology degrees in Computer Information Technology, including programming, networking and system administration tracks.

Dave Riske, a Cisco Technology instructor at WNC, said the goals and mission statement for the new CIT degree are based on requirements established by the Association for Computing Machinery/Special Interest Group Information Technology Education.

Core classes study knowledge areas such as problem solving, algorithm development, project management, information assurance and security, networking technologies, platform technologies, and operating systems implementation. Students can then specialize in an area of interest, including programming, networking technician or systems administration technician, or can customize their own course selection to meet personal educational and business-related goals.

Courses have been designed to provide students with choices that will help them assume important roles in today’s connected and collaborative business environment.

Trends indicate that realizing success in an information-based society has less to do with what you know than how you can apply your knowledge and skills to support business objectives and needs.

Classes have been designed to support industry-level professional certifications. This offers students readily recognizable credentials that are transferable to business, industry and additional education.

WNC also offers workforce certifications in Cisco Certified Networking Associate, CompTIA security+, Microsoft Certified Technology Specialist and Microsoft Certified IT Specialist. One-year computer technology academic programs also provide Certificates of Achievement, including Network Support Technician and System Administration Technician.

Salaries in Nevada range from $38,000 for an IT professional trainee to $93,000 for higher-level professionals. IT technicians in Nevada can expect an annual salary ranging from $27,000 for a trainee to $74,000 for a technician supervisor.

**TIP: WNC also offers . . .**

- Associate of Applied Science - Technology - Computer Information Technology • See page 16
- Certificate of Achievement - Network Support Technician • See page 33
- Certificate of Achievement - System Administration Technician • See page 33
- Certification Preparation - Cisco Technology • See page 38
  - Comp TIA Security+ • See page 39
  - Microsoft Certification • See page 39

CISCO instructor Dave Riske.

CISCO class students Marvin Landaverde and Jessica Jackson.

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GENERAL EDUCATION

General Education is an essential element of all degree programs and certificates of achievement offered at WNC. These courses seek to provide students with critical skills that will benefit them in their personal and professional lives. All courses used to fulfill general education requirements should specify the general education student learning outcomes that are relevant to the course.

GENERAL EDUCATION - Mission & Outcomes

Mission
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.

Student Learning Outcomes
Students who complete degrees at WNC are expected to demonstrate core skills, knowledge, and competencies as a result of the general education curriculum.

Regardless of the degree program, all students are expected to demonstrate:

• problem solving, creative, and critical thinking skills.
• effective and efficient learning skills, including the location and evaluation of information.

Within each of the general education categories common to all degrees, students are expected to demonstrate:

ENGLISH/COMMUNICATIONS
• college-level skills in reading, writing, and oral communication appropriate to their degree and/or emphasis.

MATH
• appropriate college-level mathematical skills.

SCIENCE
• an understanding of the methods of science and the role of science and technology in the modern world.

U.S. AND NEVADA CONSTITUTION
• knowledge of the basic principles and processes of government at the local, state and national levels.

Depending on the degree program, general education requirements may include Fine Arts, Humanities, Social Sciences, and Human Relations and their related expected outcomes:

• an understanding of social science principles and their application in social and civic engagement.
• an understanding of fine arts or performing arts.
• an understanding of the importance of cultural traditions, diversity, and ethics in the modern world.

Students completing a certificate of achievement at WNC are expected to demonstrate appropriate communication, computational, and human relations skills.
TRANSFER DEGREES  
Associate of Arts • Associate of Science

WNC 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 from the list of transfer programs at the University of Nevada, Reno, University of Nevada, Las Vegas, Nevada State College or other schools. Recent surveys of WNC students show they have transferred to colleges throughout the country including: UNR; UNLV; Nevada State College; Southern Utah University; University of New Mexico; Arizona State University; California State University, Sacramento; University of California at Berkeley; University of Kentucky; University of Southern California; Truckee Meadows Community College; University of Phoenix; Cosumnes River College-Los Rios; Lake Tahoe Community College; Great Basin College, Salt Lake Community College, and many more.

Every year, large numbers of WNC students successfully transfer to other schools. Each school has its own specific requirements and recommended electives for its various degrees. Community college students who plan to transfer to the University of Nevada, Reno, University of Nevada, Las Vegas or Nevada State College and who did not complete the university entrance requirements in high school must complete a minimum of 24 transferable units with a minimum 2.5 grade point average. Students who earn an Associate of Arts or Associate of Science degree will be admitted to an NSHE university or state college regardless of their grade point average.

SPOTLIGHT

Regents Scholar, Ph.D. Candidate at UNR Credits WNC for Path to Success

More than a decade ago, Daniel Mayes began his venture into higher education like many first-year college students — unsure about what career to pursue. But his academic direction became clear at Western Nevada College through an introductory astronomy class taught by Dr. Carol Lucey, a physicist who was then WNC’s president, and with encouragement by Professor Robert Collier to enroll in physics courses.

Today, Mayes’ thirst for science continues as the spectroscopy researcher works toward a doctoral degree in physics at the University of Nevada, Reno. He has also been recognized by the Nevada System of Higher Education as a 2014 NSHE Regents Scholar.

“It feels pretty nice. I see it as people thinking I am doing well,” Mayes said. According to Collier, Mayes is becoming an expert in the field of high-energy laser-induced plasma spectroscopy.

“I am so proud to say Dan obtained his foundational education at WNC, and he began his spectroscopic work on one of our telescopes at (Jack C. Davis Observatory),” said Collier, the director of WNC’s observatory. “I have known Dan Mayes for 14 years and have watched him grow from a young student at Western Nevada College to a mature and dedicated researcher.

“Dan is as humble and unpretentious as a person could possibly be, as well as a person that has the capacity to seize upon an idea and explore it with great analysis and finesse,” Collier said.

A 2002 graduate of Douglas High School, Mayes enrolled at WNC and found that Lucey’s astronomy class made an immediate impression on him.

“That class in particular was where it became clear that I was interested in continuing in astronomy,” Mayes said.

Mayes enrolled early on in a special topics course taught by Collier entitled, ‘What is an Observatory?’

“It was in that course that I began to understand he was a young man with great potential,” Collier said. “While in my engineering physics class, he was enthusiastic and interested. I later hired him as my laboratory assistant in WNC’s physics department.” Following his 2008 graduation from WNC, Mayes transferred to UNR to pursue a Bachelor of Science degree in physics. He graduated in 2011 and recently earned his master’s degree in physics. He began studying for his Ph.D. in physics at UNR earlier this year.

“At the Davis Observatory, I have learned a lot about astronomy and astronomical instrumentation, which later became useful once I came to the university,” Mayes said.

Collier said that Mayes’ skills and knowledge have enhanced the observatory and signal a promising professional career.

“I have no idea of the boundaries of his potential, both from an academic and scientific point of view,” Collier said. “His computer skills and software development applied in the physics laboratory and in the observatory have brought recognition and respect from his peers and professors all through his academic career thus far.”

Mayes said he would “like to stay in research, and definitely want to teach at some point.”

As a Regents Scholar, Mayes received a $5,000 stipend from the Nevada System of Higher Education, and was honored by UNR.
associate of arts

A TRANSFER DEGREE

The Associate of Arts degree is primarily for students planning to transfer with junior standing to a four-year college or university for a baccalaureate degree. It can be used to transfer into a wide variety of majors depending on the courses selected. Satisfactory completion of an AA degree guarantees completion of the lower division general education requirements at UNR, UNLV or NSC.

Courses with a number under 100 (such as ENG 95) are not applicable toward the Associate of Arts degree. All courses to be counted toward this degree must be university transferable.

ASSOCIATE OF ARTS DEGREE REQUIREMENTS

REQUIREMENTS: A minimum of 60 units chosen from the following:

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

FINE ARTS REQUIREMENT - 3 units.
Art: 100, 101*, 124, 160, 224, 260, 261
Dance: 101
Humanities: 101
Music: 111, 121, 124, 125, 134
Music: Ensemble: 101*
Theatre: 100, 105*, 180
* Course may not meet the fine arts requirement at all universities. Please see a counselor.

HUMANITIES REQUIREMENT - 6 units.
Core Humanities: 201, 202
English: 200, 223, 250, 261, 266, 267, 271, 275
History: 105, 106, 207, 247
Philosophy (except for PHIL 102, 114)
UNR transfer students: Choose one from Group A and one from Group B.
Group A:
Core Humanities 201
History 105
Philosophy 200
Group B:
Core Humanities 202
History 106
Philosophy 207

MATHEMATICS REQUIREMENT - 3 units.
Mathematics: 120, 126, 127, 128, 176, 181, 182, 283, 285
Statistics: 152

SCIENCE REQUIREMENT - 6 units.
One lab science course recommended.
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
Geology: 100, 101, 102, 103, 105, 127, 132, 201
Geography: 103, 104
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 - 3 units.
Choose from the following list.
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 220, 230, 270
Economics: 100, 102, 103
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. & 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)

TRANSFER REQUIREMENTS OR GENERAL ELECTIVES - 25–30 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.

ASSOCIATE OF ARTS - Mission & Outcomes

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

STUDENT LEARNING OUTCOMES: Students who complete an Associate of Arts 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.
• can succeed at their transfer institutions.
The Associate of Science degree is designed to help students use the methods of observation, analysis and logic by which we understand the mathematical, biological and physical nature of the world. The AS degree allows early choices for those planning a professional life in mathematics, science, engineering, medicine or agriculture, and is primarily for the student who plans to transfer with junior standing to a four-year college or university for a baccalaureate degree. Satisfactory completion of an AS degree guarantees completion of the lower division general education requirements at UNR, UNLV or NSC.

ASSOCIATE OF SCIENCE DEGREE REQUIREMENTS

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

FINE ARTS REQUIREMENTS - 3 units.
Art: 100, 101*, 124, 160, 224, 260, 261
Dance: 101
Humanities: 101
Music: 111, 121, 124, 125, 134
Music: Ensemble: 101*
Theatre: 100, 105*, 180
* Course may not meet the Fine Arts requirement at all universities.
Please see a counselor.

HUMANITIES REQUIREMENTS - 6 units.
Core Humanities: 201, 202
English: 200, 223, 250, 261, 266, 267, 271, 275
History: 105, 106, 207, 247
Philosophy (except for PHIL 102, 114)

UNR transfer students: Choose one from Group A and one from Group B.

GROUP A:
Core Humanities 201
History 105
Philosophy 200

GROUP B:
Core Humanities 202
History 106
Philosophy 207

MATHEMATICS REQUIREMENTS - 6 units.
Math 181 or higher required.
Statistics: 152

SCIENCE REQUIREMENTS - 12 units.
A minimum of 6 credits must be chosen from Group A and/or Group B:

GROUP A:
Biology: 190 & 190L, 191 & 191L
Chemistry: 121, 122
Geology: 101, 103
Physics: 151, 152, 180 & 180L, 181 & 181L, 182 & 182L

GROUP B:
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Geography: 103, 104

GROUP C:
Atmospheric Sciences: 117
Biology: 200, 223, 224, 251
Chemistry: 220
Computer Engineering: 201

Computer Science: 135, 202
Engineering Science: 100
Geology: 105
Mechanical Engineering: 241, 242

SOCIAL SCIENCES REQUIREMENTS - 3 units.
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 220, 230, 270
Economics: 100, 102, 103
Geography: 106, 200
History: 101, 102, 111, 217, 295
Political Science: 103, 105, 108, 208, 231, 295, 299
Psychology: 101, 102, 130, 233, 234, 240, 241, 261, 290, 299
Sociology: 101, 102, 202, 205, 281, 275

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 & Political Science Combination (History 101*, and Political Science 208*)
* These courses will not fulfill UNR’s CH 203 requirement if taken after the student has been admitted and enrolled at UNR.

TRANSFER REQUIREMENTS AND ELECTIVES - 16-21 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.

ASSOCIATE OF SCIENCE - Mission and Outcomes

Mission: The purpose of the Associate of Science 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 Science degree at WNC are expected to demonstrate that they:
• have met the general education student learning outcomes.
• understand the content of calculus.
• can apply the content of calculus at the appropriate level in mathematics, science and/or engineering courses.
• understand scientific inquiry and the role of science and technology in the modern world.
• can succeed at their transfer institution.
# Associate of General Studies

**A DEGREE TO MEET A VARIETY OF NEEDS**

The Associate of General Studies 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.

## ASSOCIATE OF GENERAL STUDIES DEGREE REQUIREMENTS

<table>
<thead>
<tr>
<th>REQUIREMENTS</th>
<th>A minimum of 60 total units chosen from the following categories:</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH/COMMUNICATIONS REQUIREMENT</td>
<td>6 units.</td>
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<tr>
<td><strong>Must include a three-credit writing course.</strong></td>
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</tr>
<tr>
<td>Business: 107, 108</td>
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<tr>
<td>Communication: 101, 102, 113</td>
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<tr>
<td>Criminal Justice: 103</td>
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<tr>
<td>English: 101, 102, 107</td>
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<tr>
<td>Journalism: 201</td>
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<tr>
<td>Reading</td>
<td></td>
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<tr>
<td>Writing Course</td>
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<tr>
<td>FINE ARTS AND HUMANITIES REQUIREMENT</td>
<td>3 units.</td>
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<tr>
<td>American Sign Language</td>
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<td>Art</td>
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<tr>
<td>Core Humanities: 201, 202</td>
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<tr>
<td>Crafts</td>
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<tr>
<td>Dance: 101</td>
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<tr>
<td>English: 190, 200, 223, 243, 250, 252, 267, 271, 282, 297</td>
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<tr>
<td>Foreign Languages</td>
<td></td>
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<tr>
<td>Graphic Communications</td>
<td></td>
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<tr>
<td>History: 105, 106, 207, 247</td>
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<tr>
<td>Humanities: 101</td>
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<tr>
<td>Music</td>
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<tr>
<td>Philosophy (except for PHIL 102, 114)</td>
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<tr>
<td>Theatre: 100, 105, 180</td>
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<tr>
<td>MATHEMATICS REQUIREMENT</td>
<td>3 units.</td>
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<tr>
<td>Business: 109</td>
<td></td>
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<tr>
<td>Economics: 261, 262</td>
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<tr>
<td>Mathematics</td>
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<td>Psychology: 210</td>
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<tr>
<td>Real Estate: 102</td>
<td></td>
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<tr>
<td>Sociology: 210</td>
<td></td>
</tr>
<tr>
<td>Statistics: 152</td>
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</tr>
<tr>
<td>SCIENCE REQUIREMENT</td>
<td>3 units.</td>
</tr>
<tr>
<td>Anthropology: 102, 110L</td>
<td></td>
</tr>
<tr>
<td>Astronomy: 109, 110, 120</td>
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</tr>
<tr>
<td>Atmospheric Sciences: 117</td>
<td></td>
</tr>
<tr>
<td>Biology (except for BIOL 208, 223, 224, 251)</td>
<td></td>
</tr>
<tr>
<td>Chemistry (except for CHEM 220, 241, 241L, 242, 242L)</td>
<td></td>
</tr>
<tr>
<td>Environmental Studies</td>
<td></td>
</tr>
<tr>
<td>Geography: 103, 104</td>
<td></td>
</tr>
<tr>
<td>Geology: 105 (except for GEOL 111, 112, 113, 229)</td>
<td></td>
</tr>
<tr>
<td>Natural Resources: 101</td>
<td></td>
</tr>
<tr>
<td>Nutrition: 121</td>
<td></td>
</tr>
<tr>
<td>Physics (except for PHYS 293)</td>
<td></td>
</tr>
<tr>
<td>SOCIAL SCIENCES REQUIREMENT</td>
<td>3 units.</td>
</tr>
<tr>
<td>Anthropology: 101, 201, 202, 210, 212, 215</td>
<td></td>
</tr>
<tr>
<td>Core Humanities: 203</td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td></td>
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<tr>
<td>Economics: 100, 102, 103</td>
<td></td>
</tr>
<tr>
<td>Geography: 106, 200</td>
<td></td>
</tr>
<tr>
<td>History: 101, 102, 111, 217, 295</td>
<td></td>
</tr>
<tr>
<td>Political Science</td>
<td></td>
</tr>
<tr>
<td>Psychology (except for PSY 210)</td>
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</tr>
<tr>
<td>Sociology (except for SOC 210)</td>
<td></td>
</tr>
<tr>
<td>U.S. &amp; NEVADA CONSTITUTION REQUIREMENTS</td>
<td>3 or 6 units.</td>
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<tr>
<td><strong>Must meet both requirements. Choose from:</strong></td>
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<tr>
<td>Core Humanities: 203</td>
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<tr>
<td>History: 111</td>
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<tr>
<td>History: 101 &amp; 102</td>
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<tr>
<td>History: 101 &amp; 217</td>
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</tr>
<tr>
<td>Political Science: 103</td>
<td></td>
</tr>
<tr>
<td>History and Political Science Com-</td>
<td>Combination (History 101 and Political Science 206)</td>
</tr>
<tr>
<td>bination (History 101 and Political</td>
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</tr>
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<td>SCIENCE REQUIREMENT</td>
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<tr>
<td>Anthropology: 102, 110L</td>
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<tr>
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<td>Atmospheric Sciences: 117</td>
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<td>Natural Resources: 101</td>
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<td>Nutrition: 121</td>
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</tr>
<tr>
<td>Physics (except for PHYS 293)</td>
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</table>

## ASSOCIATE OF GENERAL STUDIES - Mission and Outcomes

**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.
Bachelor of Technology

APPLIED BACCALAUREATE DEGREE IN CONSTRUCTION MANAGEMENT

The Bachelor of Technology 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. This program allows those who have completed an associate degree in construction technology to progress academically and earn a bachelor's degree. 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 Technology in Construction Management Admission Requirements

1. Complete a minimum of 45 college units or equivalent with a minimum 2.0 GPA.
   Within the 45 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 15 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.

BACHELOR OF TECHNOLOGY IN CONSTRUCTION MANAGEMENT GENERAL EDUCATION COURSE LIST

<table>
<thead>
<tr>
<th>Section</th>
<th>Requirements</th>
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<tbody>
<tr>
<td>Capstone Course</td>
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<tr>
<td></td>
<td>Communication: 412</td>
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<td></td>
<td>Construction Management: 456</td>
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<td></td>
<td>Economics: 334, 365</td>
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<tr>
<td></td>
<td>Management: 462, 469</td>
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<tr>
<td>English/Communications Requirements</td>
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<td>Business: 107, or</td>
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<td>Communication: 101 or 102 or 113 or 213</td>
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<td>English: 100 or 101</td>
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<td>English: 102</td>
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<td>3 units. Choose from:</td>
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<tr>
<td></td>
<td>Art: 100, 101, 124, 160, 224, 260, 261</td>
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<tr>
<td></td>
<td>Dance: 101</td>
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<td>Music, Ensemble: 101</td>
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<td></td>
<td>Music: 111, 121, 124, 125, 134</td>
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<td></td>
<td>Theatre: 100, 105, 180</td>
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<tr>
<td>Humanities Requirement</td>
<td>3 units. Choose from:</td>
</tr>
<tr>
<td></td>
<td>Core Humanities: 201, 202</td>
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<tr>
<td></td>
<td>English: 200, 223, 243, 250, 252, 261, 266, 267, 271, 275</td>
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<tr>
<td></td>
<td>Philosophy (except for PHIL 102, 114)</td>
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<tr>
<td>Mathematics and Science Requirements</td>
<td>12 units. Choose from:</td>
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<tr>
<td></td>
<td>a minimum of 4 units in mathematics and 6 units in science:</td>
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<td></td>
<td>Mathematics:</td>
</tr>
<tr>
<td></td>
<td>Mathematics: 126 &amp; 127, 128 or higher</td>
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<tr>
<td></td>
<td>Statistics: 152</td>
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<td>Science</td>
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<td>Chemistry: 100, 121, 201</td>
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<td></td>
<td>Environmental Studies: 100</td>
</tr>
<tr>
<td></td>
<td>Geology: 100, 101, 103</td>
</tr>
<tr>
<td></td>
<td>Physics: 100, 151, 180</td>
</tr>
<tr>
<td>Social Sciences Requirement</td>
<td>3 units.</td>
</tr>
<tr>
<td></td>
<td>Anthropology: 101, 201, 202, 205, 210, 212, 215</td>
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<td>Core Humanities: 203</td>
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<td></td>
<td>Criminal Justice: 101, 102, 220, 230, 270</td>
</tr>
<tr>
<td></td>
<td>Geography: 106, 200</td>
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<tr>
<td></td>
<td>History: 101, 102, 111, 217, 295</td>
</tr>
<tr>
<td></td>
<td>Psychology (except for PSY 210)</td>
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<tr>
<td></td>
<td>Sociology (except for SOC 210)</td>
</tr>
<tr>
<td>U.S. and Nevada Constitution Requirements</td>
<td>3 units. Choose from:</td>
</tr>
<tr>
<td></td>
<td>Core Humanities: 203</td>
</tr>
<tr>
<td></td>
<td>History: 111 or</td>
</tr>
<tr>
<td></td>
<td>History: 101 &amp; 217, or</td>
</tr>
<tr>
<td></td>
<td>History: 101 &amp; 102, or</td>
</tr>
<tr>
<td></td>
<td>Political Science: 103, or</td>
</tr>
<tr>
<td></td>
<td>History and Political Science Combination (History 101 and PSC 208)</td>
</tr>
<tr>
<td>General Electives - 8 units.</td>
<td></td>
</tr>
</tbody>
</table>

TIP: WNC also offers . . .

Associate of Applied Science - Technology - Construction • See page 17
Certification Preparation - Inspector of Structures • See page 39
### CONSTRUCTION MANAGEMENT

**Bachelor of Technology Degree**

**Salary:** $66,050–$110,910 / year (Nevada)

**Career Outlook:** Above Average growth; Changes in building technology and policies are increasing the demand for construction managers.

**Good To Know:** Approximately 64% of construction managers are self-employed. Those with a bachelor's degree will have the best job prospects.

**WNC Academic Division:** Career and Technical Education

<table>
<thead>
<tr>
<th>Total Requirements: 120 units</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Business and Management Core Requirements</th>
<th>12 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 101 Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>ACC 201 Financial Accounting</td>
<td>3</td>
</tr>
</tbody>
</table>

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 |

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>58 Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101 Introduction to Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>CADD 100 Introduction to Computer Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>CEE 411 Environmental Law</td>
<td>3</td>
</tr>
<tr>
<td>CEE 462 Construction Cost Estimating</td>
<td>3</td>
</tr>
<tr>
<td>CEE 463 Project Scheduling</td>
<td>3</td>
</tr>
<tr>
<td>CEE 464 Construction Law</td>
<td>2</td>
</tr>
<tr>
<td>CEE 465 Construction Cost Accounting</td>
<td>2</td>
</tr>
<tr>
<td>CEE 466 Construction Management</td>
<td>2</td>
</tr>
<tr>
<td>CEE 495 Special Topics</td>
<td>3</td>
</tr>
<tr>
<td>CEM 330 Soils and Foundations for Construction</td>
<td>3</td>
</tr>
<tr>
<td>CONS 108 Construction Materials and Methods</td>
<td>3</td>
</tr>
<tr>
<td>CONS 114 Soils, Site Work, Concrete and Testing</td>
<td>3</td>
</tr>
<tr>
<td>CONS 118 Construction Contract Documents</td>
<td>2</td>
</tr>
<tr>
<td>CONS 121 Principles of Construction Estimating</td>
<td>3</td>
</tr>
<tr>
<td>CONS 205 Construction Site Safety</td>
<td>2</td>
</tr>
<tr>
<td>CONS 216 Structural Layout Assembly</td>
<td>2</td>
</tr>
<tr>
<td>CONS 281 Construction Planning Scheduling And Control</td>
<td>3</td>
</tr>
<tr>
<td>CONS 351 Advanced Project Superintendence</td>
<td>3</td>
</tr>
<tr>
<td>CONS 451 Advanced Internship in Construction</td>
<td>3</td>
</tr>
<tr>
<td>SUR 161 Elementary Surveying</td>
<td>4</td>
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</table>

Choose 3 units of IT Science/Computer Science courses:

- IS 101 Intro to Information Systems | 3 |
- IS 201 Computer Applications | 3 |
- or any CIT or CADD courses

<table>
<thead>
<tr>
<th>General Education Requirements</th>
<th>50 Units</th>
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<tbody>
<tr>
<td>Capstone Courses</td>
<td>9</td>
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<td>English/Communications Requirements</td>
<td>9</td>
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<tr>
<td>Fine Arts Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Humanities Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics, Science and Statistics Requirements</td>
<td>12</td>
</tr>
<tr>
<td>Social Sciences Requirement</td>
<td>3</td>
</tr>
<tr>
<td>U.S. and Nevada Constitution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>General Electives</td>
<td>8</td>
</tr>
</tbody>
</table>

*Choose From: AC 198, CONS 116, CONS 230, AIT 155, AIT 201, DFT 100, ENRG 110*

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**BACHELOR OF TECHNOLOGY - Mission & Outcomes**

**Mission:** The mission of the Bachelor of Technology 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 Technology in Construction Management program, students will be able to demonstrate:

- Knowledge in basic economic principals, business principals 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 for planning and scheduling a construction project
- Application of relevant administrative skills, ethics, safety practices, and problem solving techniques to construction management
Associate of Applied Science

A CAREER DEGREE

Students enrolled in any of these programs 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. The Associate of Applied Science degree is available for those students who desire a two-year course of study and training in an occupational and/or technical career field. 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. Coursework must total at least 60 units.

All Associate of Applied Science degree and certificate programs require completion of appropriate courses in computation, communication and human relations. Additionally, introductory courses in applied science and technology as well as allied health programs include instruction in safety, industrial safety and environmental awareness, as appropriate. Students with previous occupational or practical experience may be eligible to challenge certain course requirements and prerequisites. Courses with a number under 100 (such as ENG 095) are not applicable toward an Associate of Applied Science degree at WNC.

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. A maximum of six units of special topics classes in one subject area may apply toward any WNC degree. To make decisions about specific emphases under the Associate of Applied Science degree, please refer to the academic programs pages or see a WNC counselor.
ASSOCIATE OF APPLIED SCIENCE DEGREE REQUIREMENTS

REQUIREMENTS: A minimum of 60 units chosen from the following:

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, 287
Counseling and Personal Development: 117, 129
Criminal Justice: 270
Early Childhood Education: 121
Human Development & Family Studies: 201, 202
Management: 201, 212, 283
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
Dance: 101
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

Social Sciences Area:
Anthropology: 101, 201, 202, 210, 212, 215
Core Humanities: 203
Criminal Justice: 101, 102, 120, 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
Real Estate: 102
Sociology: 210
Statistics: 152

SCIENCE REQUIREMENT - 6 units.
Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology (except for BIOL 208, 223, 224, 231)
Chemistry (except for CHEM 220, 241, 241L, 242, 242L)
Environmental Studies
Geography: 103, 104
Geology: 105 (except for GEOL 111, 112, 113, 299)
Natural Resources: 101
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)

PROGRAM REQUIREMENTS AND GENERAL ELECTIVES
Number of units required may vary by emphasis.
Some units earned in non-traditional courses may be considered for elective credit
and may require review in order to be applied to the AAS degree.

ASSOCIATE OF APPLIED SCIENCE - Mission & Outcomes

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.
Business

ACCOUNTING
Associate of Applied Science - Business Degree

The accounting degree has been designed to enable 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.

Salary: $27,700-$44,020 / year (Nevada)

Career Outlook: Above average growth; demand is increasing as regulations for bookkeeping and auditing become stricter.

Good To Know: Many opportunities exist for temporary, seasonal or part-time work.

WNC Academic Division: Career and Technical Education

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
ECON 102 Principles of Microeconomics 3
ECON 103 Principles of Macroeconomics 3
IS 101 Introduction to Information Systems 3
IS 201 Computer Applications 3
MGT 201 Principles of Management 3
MKT 210 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.

ACCOUNTING - Suggested Course Sequence

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
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<th>THIRD SEMESTER</th>
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<tbody>
<tr>
<td>ACC 201</td>
<td>3</td>
<td>ACC 203</td>
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<tr>
<td>BUS 107 or ENG 101</td>
<td>3</td>
<td>MGT 201</td>
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<tr>
<td>BUS 109</td>
<td>3</td>
<td>MKT 210</td>
<td>3</td>
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<td>or MATH 120 or higher</td>
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<td>Accounting Elective</td>
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<tr>
<td>ECON 102</td>
<td>3</td>
<td>U.S./Nevada Constitution</td>
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<tr>
<td>Accounting Elective</td>
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<tr>
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<th>Completed</th>
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<tbody>
<tr>
<td>ACC 202</td>
<td>3</td>
<td>ACC 220 or ACC 223</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>3</td>
<td>BUS 273</td>
<td>3</td>
</tr>
<tr>
<td>BUS 108 or ENG 102</td>
<td>3</td>
<td>IS 101</td>
<td>3</td>
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<tr>
<td>ECON 103</td>
<td>3</td>
<td>Accounting Elective</td>
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</tr>
<tr>
<td>IS 201</td>
<td>3</td>
<td>Science Requirement</td>
<td>3</td>
</tr>
</tbody>
</table>

ACCOUNTING - Mission & Outcomes

Mission: The purpose of the AAS Accounting in Business Degree is to provide the knowledge and skills necessary to succeed in the current business environment.

Student Learning Outcomes:
- Provide employment related knowledge and skills
- Know subject matter
- Understand accounting principles and their importance to the business environment
- Demonstrate oral, written, computational and computer skills
- Demonstrate managerial and personal skills
- Utilize appropriate resources to remain current in their field
- Appreciate the importance of social, ethical, legal and diversity issues

TIP: WNC also offers . . .
Certificate of Achievement - Bookkeeping • See page 32
Certification Preparation - Bookkeeping • See page 38
Technology

AUTOMATED SYSTEMS
Associate of Applied Science - Technology Degree

The Automated Systems specialization of the AAS Technology degree focuses on the integration of computers and electronic technologies to control industrial systems and machines. Courses include basic electronics, computer systems, wiring, and electrical controls, providing students with technical theory, and hands-on practice to install and maintain automated systems for a variety of industries.

Salary: $41,530-$71,400 / year (Nevada)
Career Outlook: Average growth
Good To Know: Offers broad career opportunities & room for advancement.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units
Program Requirements 36 Units
AIT 101 Fundamentals of Applied Industrial Technology 4
AIT 121 Electrical Control Systems 2
AIT 155 Applied Hands-On AIT Labs 2
CIT 161 Essentials of Information Security 3
CIT 211 Microsoft Networking I 4
DFT 110 Blueprint Reading for Industry 3
ET 131 DC for Electronics 4
ET 132 AC for Electronics 4
ET 155 Home Technology Convergence 4
MT 115 Applied Programmable Logic Controllers 3

Choose at least 3 units from the following program electives:
CADD 100 Basic AutoCAD 3
CIT 165 Introduction to Convergence 3
CIT 212 Microsoft Networking II 4
ENRG 110 Introduction to Alternative Energy 3
ET 117 Computer Forensics 3
ET 200 Electronics Projects 4

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 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.
The technology degree for automotive mechanics 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.

Salary: $30,320-$52,800 / 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.

WNC Academic Division: Career and Technical Education

**Total Requirements:** 60 units

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AUTO 101</td>
<td>Introduction to General Mechanics</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 115</td>
<td>Auto Electricity &amp; Electronics I</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 117</td>
<td>Advanced Auto Electronics</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 130</td>
<td>Engine Reconditioning</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 145</td>
<td>Automotive Brakes</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 155</td>
<td>Steering &amp; Suspension</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 160</td>
<td>Auto Air Conditioning</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 210</td>
<td>Automatic Transmissions and Transaxles I</td>
<td>3</td>
</tr>
<tr>
<td>AUTO 225</td>
<td>Engine Performance I/Fuel &amp; Ignition</td>
<td>4</td>
</tr>
<tr>
<td>AUTO 227</td>
<td>Engine Performance II/Emission Control</td>
<td>4</td>
</tr>
</tbody>
</table>

**General Education Requirements**

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Communications</td>
<td>6</td>
</tr>
<tr>
<td>Human Relations Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Social Science</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Requirement</td>
<td>3</td>
</tr>
<tr>
<td>Science Requirement</td>
<td>6</td>
</tr>
<tr>
<td>U.S. and Nevada Constitution</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

**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.

**TIP: WNC also offers . . .**

Certificate of Achievement - Automotive Mechanics • See page 31
Certification Preparation - Automotive Service Excellence • See page 38

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**AUTOMOTIVE MECHANICS - Suggested Course Sequence**

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST</td>
<td>AUTO 101</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AUTO 115</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AUTO 130</td>
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</tr>
<tr>
<td></td>
<td>BUS 107</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Math Course</td>
<td>3</td>
</tr>
<tr>
<td>SECOND</td>
<td>AUTO 117</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AUTO 145</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AUTO 225</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Humanities/Science Course</td>
<td>3</td>
</tr>
<tr>
<td>THIRD</td>
<td>AUTO 155</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>AUTO 160</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>AUTO 227</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td>Science Course</td>
<td>3</td>
</tr>
<tr>
<td>FOURTH</td>
<td>AUTO 210</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BUS 108</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>BUS 110</td>
<td>3</td>
</tr>
</tbody>
</table>

**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).
## Business

### GENERAL BUSINESS

**Associate of Applied Science Degree**

The General Business degree provides knowledge and skills in the diverse field of business. Students are encouraged to meet with a WNC counselor to identify programs which best suit their career goals.

**Salary:** $36,430-$57,400 / 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.

**WNC Academic Division:** Career and Technical Education

<table>
<thead>
<tr>
<th>Total Requirements: 60 units</th>
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</thead>
<tbody>
<tr>
<td><strong>Core Business Requirements</strong></td>
</tr>
<tr>
<td>ACC 135</td>
</tr>
<tr>
<td>&amp; ACC 201</td>
</tr>
<tr>
<td>or ACC 201*</td>
</tr>
<tr>
<td>&amp; ACC 202*</td>
</tr>
<tr>
<td>BUS 101</td>
</tr>
<tr>
<td>BUS 273</td>
</tr>
<tr>
<td>ECON 102</td>
</tr>
<tr>
<td>ECON 103</td>
</tr>
<tr>
<td>IS 101</td>
</tr>
<tr>
<td>IS 201</td>
</tr>
<tr>
<td>MGT 201</td>
</tr>
<tr>
<td>MKT 210</td>
</tr>
</tbody>
</table>

| **Business Electives** | 15 Units |
|-----------------------|
| Choose 15 units from the following: |
| (Must select at least three units in three different subject areas) |
| ACC 180 | Payroll and Employee Benefit Accounting | 3 |
| ACC 202 | Managerial Accounting | 3 |
| ACC 203 | Intermediate Accounting I | 3 |
| ACC 220 | Microcomputer Accounting Systems | 3 |
| ECON 251* | Principles of Statistics I | 3 |
| ECON 262* | Principles of Statistics II | 3 |
| FIN 101 | Personal Finance | 3 |
| MGT 103 | Introduction to Small Business Management | 3 |
| MGT 212 | Leadership and Human Relations | 3 |
| MGT 235 | Organizational Behavior | 3 |
| MGT 283 | Introduction to Human Resources Management | 3 |
| MKT 127 | Introduction to Retailing | 3 |
| MKT 262 | Introduction to Advertising | 3 |

| **General Education Requirements** | 15 Units |
|-----------------------------------|
| English/Communications Requirement: Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*; must include a writing course | 6 |
| Mathematics Requirement | 3 |
| Science Requirement | 3 |
| U.S. and Nevada Constitution Requirement | 3 |

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

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

### BUSINESS - Suggested Course Sequence

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Completed</th>
</tr>
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<tbody>
<tr>
<td>ACC 135 or ACC 201</td>
<td>3</td>
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<tr>
<td>BUS 101</td>
<td>3</td>
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<tr>
<td>BUS 107 or ENG 101</td>
<td>3</td>
</tr>
<tr>
<td>IS 101</td>
<td>3</td>
</tr>
<tr>
<td>ECON 102</td>
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</table>

<table>
<thead>
<tr>
<th>THIRD SEMESTER</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 273</td>
<td>3</td>
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<tr>
<td>MKT 210</td>
<td>3</td>
</tr>
<tr>
<td>Business Elective</td>
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</tr>
<tr>
<td>Science Course</td>
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</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Completed</th>
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</thead>
<tbody>
<tr>
<td>ACC 201 or ACC 202</td>
<td>3</td>
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<tr>
<td>BUS 108 or ENG 102</td>
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<tr>
<td>BUS 109 or MATH 120</td>
<td>3</td>
</tr>
<tr>
<td>ECON 103</td>
<td>3</td>
</tr>
<tr>
<td>IS 201</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FOURTH SEMESTER</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Elective</td>
<td>3</td>
</tr>
<tr>
<td>MKT 210</td>
<td>3</td>
</tr>
<tr>
<td>U.S./Nevada Constitution</td>
<td>3</td>
</tr>
</tbody>
</table>

### 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.

### TIP: WNC also offers . . .

- Certificate of Achievement - Business  •  See page 32
- Certificate of Achievement - Bookkeeping  •  See page 32
- Certification Preparation - Bookkeeping  •  See page 38
Technology

COMPUTER INFORMATION TECHNOLOGY
Associate of Applied Science - Technology Degree

This technology degree 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. The degree has been designed to provide students with options that will help fill the vital roles in today’s connected and collaborative business environment. Courses within the degree provide the 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 Interests 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.

Salary: $33,820-$53,930 / year (Nevada)

Career Outlook: Much faster than average growth

Good To Know: Businesses & organizations are investing heavily in ‘cyber-security’

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units
Program Requirements

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 CONA Internetworking Fundamentals Elective 4
CSCO 121 CONA Routing Protocols & Concepts 4
CSCO 130 Fundamentals of Wireless LANs 4
CSCO 220 CONA Lan Switch Wireless 4
CSCO 221 CONA-Wan Fundaments 4
CSCO 230 Fundamentals of Network Security 4
GR 130 Electronic Imaging 3
INF 110 Introduction to Informatics II-Information Infrastructures 3
IS 101 Introduction to Information Systems 3
IS 201 Computer Applications 3

Humanities/Social Science Course

ENG 101 English 3
ENG 107 Fundamentals of Writing 3

Science Requirement

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

Human Relations Course

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

Science Course

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

Mathematics Course

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

Certification Preparation - Cisco Technology

- Comp TIA Security+ • See page 39
- Microsoft Certification • See page 39

Students interested in Programming should consider the following electives:
INF 110, CIT 129, CIT 130, CIT 133, CIT 238, CIT 230, CIT 233, GRC 183

Students interested in Networking should consider the following electives:
CIT 211, CIT 173, CIT 174, CSCO 120, CSCO 121, CSCO 130, CSCO 220, CSCO 221, CSCO 230

Students interested in System Administration should consider the following electives: CIT 211, CIT 212, CIT 213, CIT 214, CIT 173, CIT 174, CSCO 130, CSCO 230

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 solution that exhibits creative application of information technology principles to address the problem
• understand best practices and standards and their application.
• recognize the need for, and an ability to engage in, continuing professional development
• communicate effectively with a range of audiences
• understand professional, ethical, legal, security, and social issues and responsibilities
• function effectively on teams to accomplish a common goal
• analyze the local and global impact of computing on individuals, organizations and society
• communicate effectively with a range of audiences
• recognize the need for, and an ability to engage in, continuing professional development
• design, implement and evaluate a computer-based system, process, component, or solution that exhibits creative application of information technology principles to address the problem
• understand best practices and standards and their application.

TIP: WNC also offers . . .

Certificate of Achievement - Network Support • See page 33
Certificate of Achievement - System Administration • See page 33
Certification Preparation - Cisco Technology • See page 38
The Construction specialization of the AAS Technology degree 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.

Salary: $30,460-$57,190/ year (Nevada)

Career Outlook: 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.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101</td>
<td>Introduction to Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CONS 108</td>
<td>Construction Materials and Methods</td>
<td>3</td>
</tr>
<tr>
<td>CONS 114</td>
<td>Soils, Site Work, Concrete and Testing</td>
<td>3</td>
</tr>
<tr>
<td>CONS 118</td>
<td>Construction Contract Documents</td>
<td>2</td>
</tr>
<tr>
<td>CONS 120</td>
<td>Blueprint Reading and Specification</td>
<td>3</td>
</tr>
<tr>
<td>CONS 121</td>
<td>Principles of Construction Estimating</td>
<td>3</td>
</tr>
<tr>
<td>CONS 205</td>
<td>Construction Site Safety</td>
<td>2</td>
</tr>
<tr>
<td>CONS 216</td>
<td>Structural Layout Assembly</td>
<td>2</td>
</tr>
<tr>
<td>CONS 281</td>
<td>Construction Planning Scheduling and Control</td>
<td>3</td>
</tr>
<tr>
<td>CONS 290</td>
<td>Internship in Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

Choose 6 units from the following program electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AC 198</td>
<td>Special Topics in HVAC</td>
<td>2</td>
</tr>
<tr>
<td>AIT 201</td>
<td>Pneumatic Power Technologies</td>
<td>3</td>
</tr>
<tr>
<td>CADD 100</td>
<td>Introduction to Computer Aided Drafting</td>
<td>3</td>
</tr>
<tr>
<td>CONS 116</td>
<td>Plumbing Principles</td>
<td>2</td>
</tr>
<tr>
<td>CONS 230</td>
<td>Electrical Distribution Systems</td>
<td>2</td>
</tr>
<tr>
<td>DFT 100</td>
<td>Basic Drafting Principles</td>
<td>3</td>
</tr>
<tr>
<td>ELM 143</td>
<td>Wiring Techniques</td>
<td>2</td>
</tr>
<tr>
<td>ENRG 110</td>
<td>Introduction to Alternative Energy</td>
<td>3</td>
</tr>
<tr>
<td>ENRG 210</td>
<td>Solar PV Design</td>
<td>3</td>
</tr>
<tr>
<td>ET 131</td>
<td>DC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>ET 155</td>
<td>Home Technology Convergence</td>
<td>4</td>
</tr>
<tr>
<td>MT 160</td>
<td>Hydraulic Power Technologies</td>
<td>3</td>
</tr>
<tr>
<td>MTT 105</td>
<td>Machine shop I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 211</td>
<td>Welding I</td>
<td>3</td>
</tr>
</tbody>
</table>

General Education Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
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<tbody>
<tr>
<td>English/Communications Requirement:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recommended: BUS 107, Must include a writing course</td>
<td>6</td>
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</tr>
<tr>
<td>Human Relations: Recommended; BUS 110</td>
<td>3</td>
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</tr>
<tr>
<td>Humanities/Social Science Requirement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Mathematics Requirement: Recommended; MATH 110</td>
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<td></td>
</tr>
<tr>
<td>Science Requirement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>U.S. and Nevada Constitution Requirement</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>General Elective</td>
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</tr>
</tbody>
</table>

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.

CONSTRUCTION TECHNOLOGY - Suggested Course Sequence

First Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101</td>
<td>Introduction to Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CONS 118</td>
<td>Construction Contract Documents</td>
<td>2</td>
</tr>
<tr>
<td>CONS 121</td>
<td>Blueprint Reading and Specification</td>
<td>3</td>
</tr>
<tr>
<td>CONS 205</td>
<td>Construction Planning Scheduling and Control</td>
<td>3</td>
</tr>
<tr>
<td>CONS 290</td>
<td>Internship in Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

Second Semester

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>BI 101</td>
<td>Introduction to Building Codes</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction to Business</td>
<td>3</td>
</tr>
<tr>
<td>CONS 118</td>
<td>Construction Contract Documents</td>
<td>2</td>
</tr>
<tr>
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<td>3</td>
</tr>
<tr>
<td>CONS 205</td>
<td>Construction Planning Scheduling and Control</td>
<td>3</td>
</tr>
<tr>
<td>CONS 290</td>
<td>Internship in Construction</td>
<td>3</td>
</tr>
</tbody>
</table>

TIP: WNC also offers...

Bachelor of Technology - Construction Management • See pages 8-9
Certification Preparation - Inspector of Structures • See page 39

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.
CAREER DEGREE

CRIMINAL JUSTICE-GENERAL

Associate of Applied Science Degree (Suggested for Transfer)

The general criminal justice degree is designed to prepare students for various careers within the field of criminal justice. This degree is designed to ease transfer to UNR and other colleges or universities.

Salary: $57,320-$79,380/ 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.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units
Program Requirements 30 Units

CRJ 101* Introduction to Criminal Justice I 3
CRJ 102* Introduction to Criminal Justice II 3
or CRJ 106* Introduction to Corrections 3
or CRJ 211* Police in America 3
CRJ 222* Criminal Law and Procedures 3
PSY 101 Introduction to Psychology 3
or SOC 101 Introduction to Sociology 3

Choose 15 units from the following:
CPD 116* Substance Abuse- Fundamental Facts 3
CRJ 164 Criminal Investigation 3
CRJ 225 Criminal Evidence 3
CRJ 270 Introduction to Criminology 3
STAT152 Introduction to Statistics 3
SW 220* Crisis Intervention 3
Foreign Language SPAN 111 or higher recommended 3-12 units

General Education Requirements 30 Units

English/Communications Requirement: ENG 101 and 102 6
Fine Arts Requirement 3
Human Relations 3
Humanities/Social Science Requirement 3
Mathematics Requirement: Recommended: MATH 120* or higher 3
Science Requirement 6
U.S. and Nevada Constitution Requirement 3
General Elective 3

*Direct transfer to UNR and UNLV for CRJ major
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.

Note: Documentation and current health insurance (card) required.

TIP: WNC also offers . . .
Certificate of Achievement - Criminal Justice General • See page 35
CRIMINAL JUSTICE-LAW ENFORCEMENT
Associate of Applied Science Degree

The law enforcement degree is designed to prepare students for various careers within the field of criminal justice. This degree is designed to ease transfer to UNR and other colleges or universities.

Salary: $57,320-$79,380/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.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units

Program Requirements

42 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 106* Introduction to Corrections 3
or CRJ 211* Police in America 3
CRJ 164 Principles of Investigation 3
CRJ 222* Criminal Law and Procedures 3
CRJ 225 Criminal Evidence 3
CRJ 270 Introduction to Criminology 3

Choose 18 units from the following:

ART 135 Photography 1 3
ART 141 Introduction to Digital Photography 3
BUS 107 Business Speech Communications 3
COM 101 Oral Communications 3
CPD 116* Substance Abuse-Fundamental Facts 3
CPD 117 Introduction to Counseling 3
CPD 129 Assertiveness Techniques 1
IS 101 Introduction to Information Systems 3
STAT 152 Introduction to Statistics 3
SW 220 Crisis Intervention 3

Any CRJ 3-18
Any Foreign Language - Spanish recommended 3-16
Any IS, COT or CIT course 1-6
Any Psychology-PSY 101 recommended 3
Any Sociology -SOC 101 recommended 3

General Education Requirements

18 Units

English/Communications Requirement: Recommended: ENG 101, writing course required 3
Humanities Requirement 3
Mathematics Requirement: Recommended: MATH120* 3
Science Requirement 3
U.S. and Nevada Constitution Requirement 3
General Elective 3

* Direct transfer to UNR and UNLV for CRJ major

Note: Students that have completed POST at an institution other than WNC may be able to transfer the appropriate unit hours to this degree.

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.

ASSOCIATE OF APPLIED SCIENCE - CRIMINAL JUSTICE
Mission & Outcomes

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

Student Learning Outcomes: Students who complete the Associate of Applied Science in Criminal Justice are expected to demonstrate that they

• Have met 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
• Maintain crime scenes
• Analyze theories for committing crimes
• Are prepared to take and pass the Police Officer Standards and Training test to become deputy sheriffs, police officers, juvenile probation officers, attorney general investigators, district attorney investigators, parole and probation officers, and correctional officers

TIP: WNC also offers . . .

Certificate of Achievement - Criminal Justice General • See pages 35
CRIMINAL JUSTICE
LAW ENFORCEMENT/ACADEMY
Associate of Applied Science Degree

The Law Enforcement Academy degree is designed to prepare students for various careers within the field of criminal justice. In Nevada, a Category I and III Post Certificate is necessary for most local and state jobs in the criminal justice field. This major, with the Western Nevada State Peace Officer Academy as the emphasis, allows a student to immediately begin a criminal justice career in Nevada.

Salary: $57,320-$79,380/ 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.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units
Program Requirements: 48 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 222 Criminal Law and Procedures 3
CRJ 225 Criminal Evidence 3
CRJ 266 Western Nevada State Peace Officer Academy 27
EMS 113 First Responder 3

* NOTE: This course must be completed with a grade of B or better before attending the Western Nevada State Peace Officer Academy

General Education Requirements: 12 Units
English/Communications Requirement: Recommended: ENG 101, must be a writing course 3
Mathematics Requirement 3
Science Requirement 3
U.S. and Nevada Constitution Requirement 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.

Note: Documentation and current health insurance (card) required.

ASSOCIATE OF APPLIED SCIENCE - CRIMINAL JUSTICE
Mission & Outcomes

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

Student Learning Outcomes: Students who complete the Associate of Applied Science in Criminal Justice are expected to demonstrate that they
• Have met 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
• Maintain crime scenes
• Analyze theories for committing crimes
• Are prepared to take and pass the Police Officer Standards and Training test to become deputy sheriffs, police officers, juvenile probation officers, attorney general investigators, district attorney investigators, parole and probation officers, and correctional officers

TIP: WNC also offers . . .
Certificate of Achievement - Law Enforcement Academy • See page 34
Certification Preparation - Western Nevada State Peace Officer Academy • See page 39
The Deaf Studies 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 which govern interpreting.

**Salary:** $32,600-$46,400 / year (US)

**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 are often needed in schools, public agencies and health-care facilities.

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 60 units

**Program Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Units</th>
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<tr>
<td>AM 141**</td>
<td>6</td>
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<td>AM 151</td>
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<td>AM 152</td>
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<td>AM 149</td>
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<td>Science Requirement</td>
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<tr>
<td>U.S. and Nevada Constitution Requirement</td>
<td>3</td>
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<td>Theatre 105 recommended</td>
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</tr>
</tbody>
</table>

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.

**NOTE:**

*AM 145 and AM 146 may be completed in lieu of AM 140 for slower paced courses.

**AM 147 and AM 148 may be completed 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 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 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.
The Graphic Communications program is designed for students who seek quick access to career fields involving print design, web design, multimedia, digital video, and animation.

**Salary:** $36,410-$57,420/ year (Nevada)

**Career Outlook:** Above average growth.

**Good To Know:** Opportunities are highest for graphic designers with knowledge and training in website design and animation.

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 60 units

**Program Requirements**

| 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 | Computer Illustration I | 3 |
| GRC 175 | Web Design and Publishing I | 3 |
| GRC 179 | Multi Media Design & Production | 3 |
| GRC 183 | Electronic Imaging | 3 |
| GRC 188 | Web Animation and Interactivity I | 3 |
| GRC 275 | Web Design & Publishing | 3 |
| GRC 283 | Electronic Imaging II | 3 |
| GRC 294 | Professional Portfolio | 3 |

Choose 3 units from the following:

| ART 115 | Beginning Clay Sculpture | 3 |
| ART 124 | Beginning Printmaking | 3 |
| ART 127 | Watercolor I | 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 214 | 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**

| 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 can be found on the Associate of Applied Science page.

## TIP: WNC also offers . . .

Certificate of Achievement - Graphic Communications • See page 36
Technology

GENERAL INDUSTRIAL TECHNOLOGY
Associate of Applied Science

The Technology degree is designed to develop vocational skills and functional knowledge that can be applied in a variety of industries and facilities with a focus on installation, maintenance and management of technical 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 entry-level electrical/mechanical technician positions or technical support positions in the industrial, manufacturing, technology or commercial environments.

Salary: $39,210-$57,850 (Nevada)
Career Outlook: Above Average Growth
Good To Know: Leads to employment as a maintenance or industrial technician
WNC Academic Division: Career and Technical Education

Total Requirements: 60 units
Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIT 101</td>
<td>Fundamentals of Applied Industrial Technology</td>
<td>4</td>
</tr>
<tr>
<td>AIT 102</td>
<td>Measurement Tools and Methods</td>
<td>2</td>
</tr>
<tr>
<td>AIT 121</td>
<td>Electrical Control Systems</td>
<td>2</td>
</tr>
<tr>
<td>AIT 155</td>
<td>Applied Hands-on AIT Labs</td>
<td>2</td>
</tr>
<tr>
<td>AIT 201</td>
<td>Pneumatic Power Technologies</td>
<td>3</td>
</tr>
<tr>
<td>DFT 110</td>
<td>Blueprint Reading for Industry</td>
<td>3</td>
</tr>
<tr>
<td>ELM 143</td>
<td>Wiring Techniques</td>
<td>2</td>
</tr>
<tr>
<td>ET 131</td>
<td>DC for Electronics</td>
<td>4</td>
</tr>
<tr>
<td>MT 160</td>
<td>Hydraulic Power Technologies</td>
<td>3</td>
</tr>
<tr>
<td>MTT 105</td>
<td>Machine Shop I</td>
<td>3</td>
</tr>
<tr>
<td>MTT 110</td>
<td>Machine Shop II</td>
<td>3</td>
</tr>
<tr>
<td>WELD 211</td>
<td>Welding I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 212</td>
<td>Welding Practice I</td>
<td>2</td>
</tr>
</tbody>
</table>

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.

TIP: WNC also offers . . .

Associate of Applied Science-Technology degrees in:

- Automated Systems • See page 13
- Automotive Mechanics • See page 14
- Computer Information Technology • See page 16
- Construction • See page 17
- Machine Tool • See page 24
- Welding • See page 29

TECHNOLOGY – Suggested Course Sequence

<table>
<thead>
<tr>
<th>Semester</th>
<th>Course</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st</td>
<td>MTT 105</td>
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<td>1st</td>
<td>AIT 102</td>
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<td>MTT 110</td>
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<td>3rd</td>
<td>AIT 155</td>
<td>3</td>
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<tr>
<td>3rd</td>
<td>DFT 110</td>
<td>3</td>
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<tr>
<td>4th</td>
<td>AIT 101</td>
<td>4</td>
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<tr>
<td>4th</td>
<td>AIT 102</td>
<td>2</td>
</tr>
<tr>
<td>4th</td>
<td>MTT 110</td>
<td>3</td>
</tr>
</tbody>
</table>

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.
The Machine Tool specialization of the AAS Technology degree 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.

Salary: $32,270-$50,540/ 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

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units

Program Requirements: 36 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 110</td>
<td>Blueprint Reading For Industry</td>
<td>3</td>
</tr>
<tr>
<td>MTT 105</td>
<td>Machine Shop I</td>
<td>3</td>
</tr>
<tr>
<td>MTT 106</td>
<td>Machine Shop Practice I</td>
<td>2</td>
</tr>
<tr>
<td>MTT 110</td>
<td>Machine Shop II</td>
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<td>MTT 111</td>
<td>Machine Shop Practice II</td>
<td>2</td>
</tr>
<tr>
<td>MTT 230</td>
<td>Computer Numerical Control I</td>
<td>4</td>
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<tr>
<td>MTT 232</td>
<td>Computer Numerical Control II</td>
<td>4</td>
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<td>MTT 250</td>
<td>Machine Shop III</td>
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<td>MTT 251</td>
<td>Machine Shop Practice III</td>
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<tr>
<td>MTT 260</td>
<td>Machine Shop IV</td>
<td>3</td>
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</table>

Choose 7 units from the following program electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIT 101</td>
<td>Fundamentals of Applied Industrial Technology</td>
<td>4</td>
</tr>
<tr>
<td>MTT 261</td>
<td>Machine Projects</td>
<td>1-6</td>
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<tr>
<td>MTT 262</td>
<td>Machine Shop Practice IV</td>
<td>2</td>
</tr>
<tr>
<td>MTT 292</td>
<td>Computer-Aided Manufacturing I</td>
<td>4</td>
</tr>
<tr>
<td>MTT 293</td>
<td>Computer-Aided Manufacturing II</td>
<td>4</td>
</tr>
<tr>
<td>MTT 295</td>
<td>Work Experience</td>
<td>1-6</td>
</tr>
<tr>
<td>Any MTT course</td>
<td>1-6</td>
<td></td>
</tr>
<tr>
<td>Related WELD or other technical/trade course</td>
<td>1-6</td>
<td></td>
</tr>
</tbody>
</table>

General Education Requirements: 24 Units

- English/Communications Requirement: Recommended: BUS 107, Must include a writing course
- Human Relations: Recommended: BUS 110
- Humanities/Social Science Requirements
- Mathematics Requirement: Recommended: MATH 110
- Science Requirement
- U.S. and Nevada Constitution Requirement
- General Elective

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.

TIP: WNC also offers . . .

Certificate of Achievement - Machine Tool Technology • See page 36
Business

MANAGEMENT
Associate of Applied Science - Business Degree

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

Salary: $36,430-$57,430 / year (Nevada)

Career Outlook: Above 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.

WNC Academic Division: Career and Technical Education

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
- ECON 102 Principles of Microeconomics 3
- ECON 103 Principles of Macroeconomics 3
- IS 101 Introduction to Information Systems 3
- IS 201 Computer Applications 3
- 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
Choose 9 units from the following:
- ACC 180 Payroll and Employee Benefit Accounting 3
- ECON 261* Principles of Statistics I 3
- ECON 262* Principles of Statistics II 3
- FIN 101 Personal Finance 3
- MGT 103 Introduction to Small Business Management 3
- MGT 212 Leadership and Human Relations 3
- MKT 127 Introduction to Advertising 3
- MKT 202 Introduction to Advertising 3

General Education Requirements 15 Units
- English/Communications Requirement: Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*. Must include a writing course 6
- Mathematics Requirement 3
- Science Requirement 3
- U.S. and Nevada Constitution Requirement 3

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

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

MANAGEMENT - Suggested Course Sequence

<table>
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<th>COMPLETED</th>
<th>SEMESTER</th>
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<td>ACC 201</td>
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<td>BUS 109 or MATH 120</td>
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<td>ACC 202</td>
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<td>BUS 101</td>
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<td>BUS 108 or ENG 101</td>
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<td>ECON 103</td>
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<td>BUS 273</td>
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<td>BUS 108 or ENG 102</td>
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<td>Science Requirement 3</td>
<td></td>
<td>U.S./Nevada Constitution 3</td>
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</table>

MANAGEMENT - Mission & Outcomes

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

Student Learning Outcomes: Upon completing an 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.

TIP: WNC also offers . . .

Certificate of Achievement - Retail Management • See page 37
**NURSING**  
Associate of Applied Science

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, and humanities and is intended to prepare graduates to pass the national licensure examination (NCLEX-RN) and to function as registered nurses in diverse care settings. Upon completion of the Associate Degree Nursing Program, students will be awarded an Associate of Applied Science degree. Graduates are eligible to sit for the NCLEX-RN.

The nursing program is approved by the Nevada State Board of Nursing (NSBN) and is accredited by the National League for Nursing Accrediting Commission, 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 should there be a concern regarding eligibility for licensure. Applicants may also use the NSBN link found on the 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 grade of C- or lower 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.

**Prerequisite Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>ENG 101 Introduction to College Composition I</td>
</tr>
<tr>
<td>6</td>
<td>CHEM 121 General Chemistry I</td>
</tr>
<tr>
<td>6</td>
<td>BIOL 223 General Microbiology</td>
</tr>
<tr>
<td>6</td>
<td>BIOL 190 Introduction to Cell and Molecular Biology</td>
</tr>
<tr>
<td>6</td>
<td>BIOL 190L Introduction to Cell and Molecular Biology-Lab</td>
</tr>
</tbody>
</table>

**Core Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>NURS 138 Foundations of Nursing Clinical</td>
</tr>
<tr>
<td>30</td>
<td>NURS 147 Health Assessment Theory</td>
</tr>
<tr>
<td>30</td>
<td>NURS 152 Foundations of Pharmacology in Nursing I</td>
</tr>
</tbody>
</table>

**Clinical Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>12</td>
<td>NURS 265 Nursing Care of the Childbearing Family Clinical</td>
</tr>
<tr>
<td>12</td>
<td>NURS 277 Advanced Medical Surgical Nursing II Clinical</td>
</tr>
</tbody>
</table>

**Total Requirements:** 72 units

Salary: $66,580-$89,920/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

WNC Academic Division: Nursing and Allied Health

**Prerequisite Courses**

<table>
<thead>
<tr>
<th>Units</th>
<th>Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>21</td>
<td>BIOL 223 &amp; BIOL 224 must be completed at the same college or university at an institution other than within Nevada System of Higher Education.</td>
</tr>
</tbody>
</table>

*Biological Sciences Core Requirement

**Good To Know:**

- Hospital nurses tend to earn more than nurses in doctors’ offices; may include working days, nights, weekends or holidays.
- High growth, especially in home health care & nursing homes.

**Salary:**

- Nevada: $66,580-$89,920/year

**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.

**WNC Academic Division:** Nursing and Allied Health

**Total Requirements:** 72 units

**Prerequisite Courses**

<table>
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<tr>
<th>Units</th>
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**Career Outlook:**

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**WNC Academic Division:** Nursing and Allied Health

**Total Requirements:** 72 units

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<tr>
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<th>Course</th>
</tr>
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**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.
Nursing Program Application Process

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 website on or after January 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 into the nursing program while in the process of completing a prerequisite course(s), providing 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 an academic skills test as part of the application process. Visit www.wnc.edu/academics/division/nalh/after September for specific information.

Residency: 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

<table>
<thead>
<tr>
<th>Science GPA (Biol &amp; Chem prerequisite courses)</th>
<th>2.0-2.25</th>
<th>2.26-2.50</th>
<th>2.51-2.75</th>
<th>2.76-3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>GPA (pre- and corequisite courses)</td>
<td>2.0-2.49</td>
<td>2.5-2.99</td>
<td>3.0-3.49</td>
<td>3.5-4.0</td>
</tr>
</tbody>
</table>

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

Academic Skills Test
1-4 points will be awarded based on test scores. (A minimum cut score is required for each subtest.)

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

TIP: WNC also offers . . .

Certification Preparation - Certified Nursing Assistant • See page 38
Certification Preparation - Emergency Medical Services • See page 38
Certification Preparation - Laboratory Technician-Phlebotomy • See page 38
Other Important Information

- Nursing learning activities are scheduled on and off campus, 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 Functions as discussed on the nursing web site.
- 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.

ASSOCIATE OF APPLIED SCIENCE - NURSING

Mission & Outcomes

Mission: The mission of the nursing program at Western Nevada College is to meet the nursing educational needs of the service area. The program prepares qualified students to function as entry-level registered nurses and transfer to higher degree programs. To accomplish this mission, the curriculum incorporates the National League for Nursing core components of nursing practice that are essential to the work of registered nurses. Graduates are prepared to function in a variety of health care settings, providing culturally sensitive, holistic nursing care to individuals and families across the lifespan. The nursing faculty supports graduate competency in an evolving and complex health care environment by facilitating the students’ development of clinical judgment, promoting professional behaviors, and fostering lifelong learning.

Student Learning Outcomes: Students who complete an Associate of Applied Science degree with a major in nursing will be expected to demonstrate the ability to:

- Integrate knowledge derived from the bio/psycho/social sciences, humanities, and nursing to achieve deliberative and competent decision-making that is grounded in evidence based practice to achieve best practice outcomes
- Utilize therapeutic communication skills when interacting with patients and their families
- Communicate and document accurate information about patients in a concise and clear manner
- Collaborate with patients, families and health care personnel to achieve positive patient outcomes
- Utilize information literacy skills to integrate research findings that guide (or lead to) best practice decisions
- Utilize the nursing process in a competent and caring manner to safely meet the bio/psycho/social/cultural and spiritual needs of patients across the lifespan in a variety of health care settings
- Provide care that reflects the ethical values of nursing within professional practice standards and the legal parameters of the profession
- Apply concepts of cultural awareness, cultural sensitivity and respect for persons when working with diverse populations
- Provide and manage care through the efficient and effective use of human, physical, financial, and technical resources to meet patient needs
- Demonstrate accountability (professionalism) through identification of self-learning needs and continued professional development
- Utilize principles of teaching and learning to meet the bio/psycho/social/cultural/spiritual needs of patients and their families

Students Requesting Re-Admission

Re-admission Policy for the Nursing Program

A student who matriculated into the Western Nevada College nursing program may be readmitted one time following a withdrawal/failure. A written request for an exemption to the policy for such reasons as medical or military concerns will be considered by the Nursing Program Re-admission Committee.

Students are eligible to be considered for re-admission into the nursing program using a point system and on a space available basis.

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 nursing 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 examinations are not successfully passed. A score of 75% or more is required for each theory competency evaluation and a passing grade is required for selected skill competencies, including basic nursing assessment skills.

Students should contact the nursing program administrative assistant for information regarding fees and scheduling of competency evaluations. Students who withdraw from or who failed a course or courses that are related (e.g. NURS 136, 137 and 138) will be required to repeat all courses in the sequence.

Nursing courses taken more than three years prior to reapplication or prior to transfer application will not be accepted and will need to be repeated.

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

The Nursing Program Re-admission Committee will review applications of students who are seeking readmission into the program. The committee acknowledges the responsibility to readmit students, who in the judgment of the committee, satisfy the requirements of scholarship and professional suitability for nursing. The committee reserves the right to deny readmission based on a history of unprofessional conduct which violates the ANA Code of Ethics.
Technology

WELDING
Associate of Applied Science - Technology Degree

The Welding specialization of the AAS Technology degree 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.

Salary: $30,860-$45,670 / 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.

WNC Academic Division: Career and Technical Education

Total Requirements: 60 units

Program Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 110</td>
<td>Blueprint Reading for Industry</td>
<td>3</td>
</tr>
<tr>
<td>WELD 211</td>
<td>Welding I</td>
<td>3</td>
</tr>
<tr>
<td>WELD 212</td>
<td>Welding I Practice</td>
<td>2</td>
</tr>
<tr>
<td>WELD 221</td>
<td>Welding II</td>
<td>3</td>
</tr>
<tr>
<td>WELD 222</td>
<td>Welding II Practice</td>
<td>2</td>
</tr>
<tr>
<td>WELD 231</td>
<td>Welding III</td>
<td>3</td>
</tr>
<tr>
<td>WELD 232</td>
<td>Welding III Practice</td>
<td>2</td>
</tr>
<tr>
<td>WELD 241</td>
<td>Welding IV</td>
<td>3</td>
</tr>
<tr>
<td>WELD 242</td>
<td>Welding IV Practice</td>
<td>2</td>
</tr>
<tr>
<td>WELD 250</td>
<td>Welding Certification Preparation</td>
<td>1-12</td>
</tr>
</tbody>
</table>

Choose 1-12 units from the following program electives:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>AIT 101</td>
<td>Fundamentals of Applied Industrial Technology</td>
</tr>
<tr>
<td>ET 131</td>
<td>DC for Electronics</td>
</tr>
<tr>
<td>ELM 143</td>
<td>Wiring Techniques</td>
</tr>
<tr>
<td>MTT 105</td>
<td>Machine Shop I</td>
</tr>
<tr>
<td>WELD 151</td>
<td>Metallurgy I</td>
</tr>
<tr>
<td>WELD 224</td>
<td>Welding Projects</td>
</tr>
<tr>
<td>WELD 290</td>
<td>Internship in Welding</td>
</tr>
<tr>
<td>WELD</td>
<td>Related Welding Courses</td>
</tr>
</tbody>
</table>

General Education Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>English/Communications Requirement: Recommended: BUS 107</td>
<td>6</td>
</tr>
<tr>
<td>Must include a writing course</td>
<td></td>
</tr>
<tr>
<td>Human Relations: Recommended: BUS 110</td>
<td>3</td>
</tr>
<tr>
<td>Humanities/Social Science Requirements</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Requirement: Recommended: MATH 110</td>
<td>3</td>
</tr>
<tr>
<td>Science Requirement</td>
<td>3</td>
</tr>
<tr>
<td>U.S. and Nevada Constitution Requirements</td>
<td>3</td>
</tr>
<tr>
<td>General Elective</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

WELDING - Suggested Course Sequence

<table>
<thead>
<tr>
<th>FIRST SEMESTER</th>
<th>Completed</th>
<th>THIRD SEMESTER</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 211</td>
<td>3</td>
<td>WELD 231</td>
<td>3</td>
</tr>
<tr>
<td>WELD 212</td>
<td>2</td>
<td>WELD 232</td>
<td>2</td>
</tr>
<tr>
<td>English Course</td>
<td></td>
<td>General Elective</td>
<td>3</td>
</tr>
<tr>
<td>(BUS 107 Recommended)</td>
<td></td>
<td>Humanities/</td>
<td></td>
</tr>
<tr>
<td>Human Relations Course</td>
<td></td>
<td>Social Science Course</td>
<td>3</td>
</tr>
<tr>
<td>Science Course</td>
<td></td>
<td>Program Elective</td>
<td>3-5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SECOND SEMESTER</th>
<th>Completed</th>
<th>FOURTH SEMESTER</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Course</td>
<td>3</td>
<td>WELD 241</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics Course</td>
<td>3</td>
<td>WELD 242</td>
<td>2</td>
</tr>
<tr>
<td>DFT 110</td>
<td>3</td>
<td>WELD 250</td>
<td>4</td>
</tr>
<tr>
<td>Program Elective</td>
<td>1-3</td>
<td>Program Elective</td>
<td>3-5</td>
</tr>
<tr>
<td>WELD 221</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WELD 222</td>
<td>2</td>
<td>U.S./Nevada Constitution</td>
<td>3</td>
</tr>
</tbody>
</table>

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.

American Welding Society Accreditation

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

TIP: WNC also offers . . .

Certificate of Achievement - Welding Technology • See page 37

Certification Preparation - Welding • See page 39
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 experience 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 is required for any certificate of achievement, although the exact number of units required may differ with particular subject matter.

All certificates include general education requirements which 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 095) are not applicable toward a certificate of achievement at WNC.

**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, 287
- Counseling and Personal Development: 117, 129
- Criminal Justice: 270
- Early Childhood Education: 121
- Human Development & Family Studies: 201, 202
- Management: 201, 212, 283
- Psychology (except for PSY 210)
- Sociology (except for SOC 210)

**Mathematics Requirement** - 3 units.
- Business: 109
- Economics: 261, 262
- Mathematics
- Psychology: 210
- Real Estate: 102
- 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.
AMERICAN SIGN LANGUAGE
Certificate of Achievement

WNC Academic Division: Career and Technical Education

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.

*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.

AUTOMOTIVE MECHANICS
Certificate of Achievement

WNC Academic Division: Career and Technical Education

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 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).
**BOOKKEEPING**
Certificate of Achievement

The Bookkeeping Certificate of Achievement is 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.

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 30 units

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 135</td>
<td>3</td>
</tr>
<tr>
<td>ACC 201</td>
<td>3</td>
</tr>
<tr>
<td>BUS 101</td>
<td>3</td>
</tr>
<tr>
<td>IS 101</td>
<td>3</td>
</tr>
<tr>
<td>MGT 201</td>
<td>3</td>
</tr>
<tr>
<td>ACC 290</td>
<td>6</td>
</tr>
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</table>

Or choose 6 units from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 180</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202</td>
<td>3</td>
</tr>
<tr>
<td>ACC 203</td>
<td>3</td>
</tr>
<tr>
<td>ACC 220</td>
<td>3</td>
</tr>
<tr>
<td>ACC 223</td>
<td>3</td>
</tr>
</tbody>
</table>

**Mathematics Requirement**

**English/Communications Requirements:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 180</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202</td>
<td>3</td>
</tr>
<tr>
<td>BUS 112</td>
<td>3</td>
</tr>
<tr>
<td>FIN 101</td>
<td>3</td>
</tr>
<tr>
<td>MGT 103</td>
<td>3</td>
</tr>
<tr>
<td>MGT 212</td>
<td>3</td>
</tr>
<tr>
<td>MGT 235</td>
<td>3</td>
</tr>
<tr>
<td>MGT 283</td>
<td>3</td>
</tr>
<tr>
<td>MGT 127</td>
<td>3</td>
</tr>
<tr>
<td>MKT 210</td>
<td>3</td>
</tr>
<tr>
<td>MKT 261</td>
<td>3</td>
</tr>
<tr>
<td>MKT 262</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Requirements:** 9 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 107</td>
<td>6</td>
</tr>
<tr>
<td>BUS 108</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Learning Outcomes:**

Upon completing a Bookkeeping Certificate of Achievement from Western Nevada College, students will be able to:

1. Articulate and demonstrate their personal employment related knowledge, skills and abilities necessary to succeed in business.
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**
Certificate of Achievement

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 30 units

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 135</td>
<td>3</td>
</tr>
<tr>
<td>or ACC 201</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>BUS 101</td>
<td>Introduction to Business</td>
</tr>
<tr>
<td>IS 101</td>
<td>Introduction to Information Systems</td>
</tr>
<tr>
<td>MKT 210</td>
<td>Marketing Principles</td>
</tr>
<tr>
<td>MGT 201</td>
<td>Principles of Management</td>
</tr>
</tbody>
</table>

**Choose 6 units from the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACC 180</td>
<td>3</td>
</tr>
<tr>
<td>ACC 202</td>
<td>3</td>
</tr>
<tr>
<td>BUS 112</td>
<td>3</td>
</tr>
<tr>
<td>FIN 101</td>
<td>3</td>
</tr>
<tr>
<td>MGT 103</td>
<td>3</td>
</tr>
<tr>
<td>MGT 212</td>
<td>3</td>
</tr>
<tr>
<td>MGT 235</td>
<td>3</td>
</tr>
<tr>
<td>MGT 283</td>
<td>3</td>
</tr>
<tr>
<td>MGT 127</td>
<td>3</td>
</tr>
<tr>
<td>MKT 210</td>
<td>3</td>
</tr>
<tr>
<td>MKT 261</td>
<td>3</td>
</tr>
<tr>
<td>MKT 262</td>
<td>3</td>
</tr>
</tbody>
</table>

**General Education Requirements:** 9 units

<table>
<thead>
<tr>
<th>Course</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BUS 107</td>
<td>6</td>
</tr>
<tr>
<td>BUS 108</td>
<td>3</td>
</tr>
</tbody>
</table>

**Student Learning Outcomes:**

Upon completing a Business Certificate of Achievement from Western Nevada College, students will be able to:

1. Articulate and demonstrate their personal employment related knowledge, skills and abilities necessary to succeed in business.
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.
COMPUTER TECHNOLOGY
Network Support Technician Certificate of Achievement

WNC Academic Division: Career and Technical Education

**Total Requirements:** 33 – 35 units

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 161</td>
<td>Essentials of Information Security</td>
</tr>
<tr>
<td>CIT 263</td>
<td>Introduction To IT Project Management</td>
</tr>
<tr>
<td>CSCO 120</td>
<td>CCNA Interworking Fundamentals</td>
</tr>
<tr>
<td>CSCO 121</td>
<td>CCNA Routing Protocols &amp; Concepts</td>
</tr>
<tr>
<td>CSCO 190</td>
<td>Fundamentals of Wireless LANs</td>
</tr>
<tr>
<td>CSCO 220</td>
<td>CCNA LAN Switching &amp; Wireless Fundamentals</td>
</tr>
<tr>
<td>CSCO 221</td>
<td>CCNA WAN Fundamentals</td>
</tr>
</tbody>
</table>

**General Education Requirements:** 33 – 35 units

- English/Communications Requirement: Must include a writing course | 3 |
- 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.

**Suggested Course Sequence**

**FIRST SEMESTER**
- CIT 161
- CSCO 120
- CSCO 121
- English Course
- Mathematics Course

**SECOND SEMESTER**
- CIT 263
- CSCO 130
- CSCO 220
- CSO 221
- Human Relations Course

CERTIFICATE OF ACHIEVEMENT - COMPUTER TECHNOLOGY
Network Support Technician - Mission & Outcomes

**Mission:** The purpose of the Network Support Technician certificate is to provide students with the knowledge and skills needed to succeed in their chosen careers.

**Student Learning Outcomes:** Students in the Computer Technology Certificate programs are expected to:

- Know:
  - the competencies required to successfully pass information technology certification exams.
- Are able to:
  - demonstrate the skills and competencies required of professionals in the information technology industry in real-world practice.
  - communicate effectively and appropriately, in oral and written form, with employees, colleagues and lay people.
  - locate, evaluate and properly utilize the tools and resources appropriate to an information technology professional.
- Appreciate:
  - the need for continuing education and lifelong learning.

COMPUTER TECHNOLOGY
System Administration Technician Certificate of Achievement

WNC Academic Division: Career and Technical Education

**Total Requirements:** 33 – 35 units

<table>
<thead>
<tr>
<th>Program Requirements</th>
<th>Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 161</td>
<td>Essentials of Information Security</td>
</tr>
<tr>
<td>CIT 211</td>
<td>Microsoft Networking I</td>
</tr>
<tr>
<td>CIT 212</td>
<td>Microsoft Networking II</td>
</tr>
<tr>
<td>CIT 213</td>
<td>Microsoft Networking III</td>
</tr>
<tr>
<td>CIT 214</td>
<td>Microsoft Networking IV</td>
</tr>
<tr>
<td>CIT 215</td>
<td>Microsoft Networking V</td>
</tr>
<tr>
<td>or CIT 165</td>
<td>Introduction to Convergence</td>
</tr>
<tr>
<td>or ET 155</td>
<td>Home Technology Convergence</td>
</tr>
<tr>
<td>CIT 263</td>
<td>Introduction to IT Project Management</td>
</tr>
</tbody>
</table>

**General Education Requirements:** 7–9 Units

- English/Communications Requirements: Must include a writing course | 3 |
- 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.

**Suggested Course Sequence**

**FIRST SEMESTER**
- CIT 161
- CSCO 120
- CSCO 121
- English Course
- Mathematics Course

**SECOND SEMESTER**
- CIT 211
- CIT 212
- CIT 213
- CIT 214
- English Course
- Mathematics Course

**SECOND SEMESTER**
- CIT 165
- or ET 155

CERTIFICATE OF ACHIEVEMENT - COMPUTER TECHNOLOGY
System Administration Technician - Mission & Outcomes

**Mission:** The purpose of the System Administration Technician certificate is to provide students with the knowledge and skills needed to succeed in their chosen careers.

**Student Learning Outcomes:** Students in the Computer Technology Certificate programs are expected to:

- Know:
  - the competencies required to successfully pass information technology certification exams.
- Are able to:
  - demonstrate the skills and competencies required of professionals in the information technology industry in real-world practice.
  - communicate effectively and appropriately, in oral and written form, with employees, colleagues and lay people.
  - locate, evaluate and properly utilize the tools and resources appropriate to an information technology professional.
- Appreciate:
  - the need for continuing education and lifelong learning.
CRIMINAL JUSTICE
9-1-1 Dispatch Telecommunications Certificate of Achievement

The Public Safety Telecommunicator course, commonly called the 9-1-1 Dispatch program, is offered each spring semester in the evenings. Look for CRJ 260 in the WNC class schedule.

The course is designed to train students in the exciting field of emergency 9-1-1 dispatching. Candidates will learn radio communication skills, map reading skills, CPR and first aid, laws, crime classifications, and crisis intervention techniques. Participants will also be required to ride along with police and fire departments and participate in 32 hours at a dispatch center.

Students will attend the 12-unit semester-long program on Monday, Tuesday and Wednesday evenings from 6-10 p.m. Each day, before classroom instruction, candidates will spend one hour in the computer lab, working on keyboarding skills. Students will need to attend classes on the final two weekends of the semester for their final exams. Exams will consist of dispatching for the WNC police cadets during their high risk vehicle stops and domestic violence scenarios.

After graduation, candidates will be prepared to apply for jobs at fire departments, police and sheriff’s agencies, taxi cab companies, ambulance companies, or any place that has dispatching needs.

WNC Academic Division: Career and Technical Education

Total Requirements: 31 – 34 units
Program Requirements
CRJ 260 911 Dispatch Emergency Telecommunicator Academy 12
CRJ 101 Introduction to Criminal Justice I 3
CRJ 102 Introduction to Criminal Justice II 3
SPAN 101 Spanish, Conversational I 3-4
or SPAN 111 First Year Spanish I

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

CRIMINAL JUSTICE: 9-1-1 DISPATCH TELECOMMUNICATIONS
Mission & Outcomes

Mission: The Public Safety Telecommunicator course strives to enhance the student’s ability to be successful in his or her career, future learning and personal life. The class component objectives are designed to develop lifelong learning habits, improve critical thinking skills, promote cultural diversity and awareness, and enhance communication skills. The Department of Public Service continues to respond to and anticipate needs in education and training, to provide a safer professional and ethical atmosphere within the various criminal justice vocations.

Student Learning Outcomes: Upon completing the 9-1-1 Dispatch Telecommunications Certificate of Achievement program, students will be able to:
- Meet the general education requirements of WNC
- Demonstrate knowledge of computer technology as it pertains to a dispatch center
- Demonstrate the importance of good verbal and written communications
- Demonstrate multi-tasking techniques within the dispatch setting
- Have an acute awareness of cultural diversity
- Demonstrate a professional attitude for dispatchers

CERTIFICATE OF ACHIEVEMENT - CRIMINAL JUSTICE
LAW ENFORCEMENT/ACADEMY - Mission & Outcomes

Mission: The purpose of the Certificate of Achievement in Law Enforcement is to ensure that the students have the necessary knowledge and skills to become a peace officer in the state of Nevada and to take and pass the Peace Officers Standards and Training test.

Student Learning Outcomes:
- Prepare to become a law enforcement officer in the state of Nevada by obtaining all necessary education and skills required by the state of Nevada
- Be properly prepared to take and pass the Peace Officers Standards and Training test for the state of Nevada

WNC Law Enforcement/Academy Certificate of Achievement

WNC Academic Division: Career and Technical Education

Total Requirements: 39.5 units
Program Requirements
CRJ 103 Communication Within the Criminal Justice Field 3
CRJ 266* Western Nevada State Peace Officer Academy 27
NOTE: CRJ 103 must be taken before attending academy
EMS 100 Healthcare Provider CPR 0.5
EMS 113 First Responder 3
* Spring and summer class that will fulfill the POST requirement

General Education Requirements
English/Communications Requirements: Recommended: ENG 101 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
General Certificate of Achievement

WNC Academic Division: Career and Technical Education

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 3
CRJ 222 Criminal Law and Procedures 3
CRJ 225 Criminal Evidence 3
CRJ 270 Introduction to Criminology 3

Total Requirements: 30 credits
Subject Requirements: 21 Credits

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 Credits
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.
### GRAPHIC COMMUNICATIONS

**Certificate of Achievement**

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 30 units

**Program Requirements:** 21 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>ART 100</td>
<td>Visual Foundations</td>
<td>3</td>
</tr>
<tr>
<td>GRC 103</td>
<td>Intro to Computer Graphics</td>
<td>3</td>
</tr>
<tr>
<td>GRC 109</td>
<td>Color and Design</td>
<td>3</td>
</tr>
<tr>
<td>GRC 144</td>
<td>Electronic Layout and Typography</td>
<td>3</td>
</tr>
<tr>
<td>GRC 156</td>
<td>Computer Illustration I</td>
<td>3</td>
</tr>
<tr>
<td>GRC 175</td>
<td>Web Design and Publishing I</td>
<td>3</td>
</tr>
<tr>
<td>GRC 183</td>
<td>Electronic Imaging</td>
<td>3</td>
</tr>
</tbody>
</table>

**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.

### MACHINE TOOL TECHNOLOGY

**Certificate of Achievement**

**WNC Academic Division:** Career and Technical Education

**Total Requirements:** 30 units

**Program Requirements:** 20 Units

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>DFT 110</td>
<td>Blueprint Reading For Industry</td>
<td>3</td>
</tr>
<tr>
<td>or CONS 120</td>
<td>Blueprint Reading and Specification</td>
<td></td>
</tr>
<tr>
<td>MTT 105</td>
<td>Machine Shop I</td>
<td>3</td>
</tr>
<tr>
<td>MTT 106</td>
<td>Machine Shop Practice I</td>
<td>2</td>
</tr>
<tr>
<td>MTT 110</td>
<td>Machine Shop II</td>
<td>3</td>
</tr>
<tr>
<td>MTT 111</td>
<td>Machine Shop Practice II</td>
<td>2</td>
</tr>
<tr>
<td>MTT 230</td>
<td>Computer Numerical Control I</td>
<td>4</td>
</tr>
</tbody>
</table>

**Related machine shop courses**

**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.

### Certification of Achievement - Graphic Communications

**Mission & Outcomes**

**Mission:** The purpose of the Graphic Communications Certificate of Achievement is to provide basic knowledge and skills necessary to enter the graphic communications field.

**Student Learning Outcomes:** Graphic Communications certificate program graduates should acquire basic skills and perform tasks necessary for employment or career enhancement.

### Certification of Achievement - Machine Tool Technology

**Mission & Outcomes**

**Mission:** The mission of the Certificate of Achievement in Machine Tool Technology is to provide the student with the skills and knowledge to succeed in the machining industry.

**Student Learning Outcomes:** Students who complete an Certificate of Achievement in Machine Tool Technology are expected to:

- know the subject matter appropriate to the Certificate of Achievement in Machine Tool Technology
- use skills and knowledge needed for acquiring employment
- have the confidence needed for seeking employment
RETAIL MANAGEMENT
Certificate of Achievement

Western Nevada College offers a 30-unit Certificate of Achievement in Retail Management to prepare students for a career in the retail business. A retail management career incorporates buying, merchandising, promotion, management, operations, finance and computer applications.

Required classes for the Retail Management Certificate of Achievement are in business and business communications, accounting, information systems, management and marketing. Many serve as a ladder to business degrees. The WNC program provides students an opportunity to earn a relevant certificate, and the classes are also required for associate degrees. Most are also transferable to four-year colleges. The certificate may particularly benefit employees interested in moving up to supervisory and management positions.

WNC Academic Division: Career and Technical Education

Total Requirements: 30 units

Program Requirements 21 Units

ACC 135
Bookkeeping I 3
or ACC 201
Financial Accounting 3
BUS 101
Introduction to Business 3
BUS 112
Customer Service 3
IS 101
Introduction to Information Systems 3
MGT 201
Principles of Management 3
MKT 127
Introduction to Retailing 3
MKT 210
Marketing Principles 3

General Education Requirements 9 Units

English/Communications: Recommended: BUS 107, BUS 108; or ENG 101, ENG 102 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.

FIRST SEMESTER
Completed
ACC 135 or ACC 201 3
BUS 101 3
BUS 107 or Eng/Comm 3
IS 101 3
SECOND SEMESTER
Completed
BUS 108 or Eng/Comm 3
BUS 109 or MATH 120 3
MGT 201 3
MKT 127 3
MKT 210 3

RETAIL MANAGEMENT - Suggested Course Sequence

WELDING TECHNOLOGY
Certificate of Achievement

WNC Academic Division: Career and Technical Education

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.
Certification and licensing preparation programs are designed to prepare students to take state or other certified licensing exams. It is important to note that while these programs prepare students to obtain a certification, WNC does not grant any of these certifications. While these course programs 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.

WNC certification and licensing preparation programs include:

### ALLIED HEALTH

**Certified Nursing Assistant**

A certified nursing assistant class is offered through the Division of Nursing and Allied Health. 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 institutions. 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**

Emergency Medical Services courses are offered through the Division of Nursing and Allied Health. They include: EMS 100 - Healthcare Provider CPR, EMS 113 - First Responder, EMS 108 - EMT Basic, and EMS 112 - EMT enhanced (Intermediate). 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 EMT Enhanced (Intermediate).

EMS 108 and EMS 112 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 web site for the process and procedures to follow.

Information . . . . 775-445-3296

**Laboratory Technician-Phlebotomy**

Phlebotomy classes (LTE 101 and LTE 102), which are offered through the Division of Nursing and Allied Health, 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 prerequisites. See the Nursing & Allied Health web pages for prerequisite information, and 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 prerequisite 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 prerequisite information is received by the Nursing & Allied Health Office.

### AUTOMOTIVE TECHNOLOGY

**CISCO TECHNOLOGY (CSCO)**

Certification and Licensing Preparation

Western Nevada College is an academy for the Cisco Networking Academy Program, offering programs leading to CCNA and CCNP industry certification. These courses help prepare students for a career working with Cisco networking hardware and equipment.

<table>
<thead>
<tr>
<th>Course for Cisco and Comp TIA Security+ Exams:</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCO 230</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course for Building Scalable Cisco Internetworks Exam; required course to become a Cisco Certified Network Specialist:</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCO 280</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course for Implementing Secure Covered Wide Area Networks Exam; required course to become a Cisco Certified Network Specialist:</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCO 281</td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Course for Multilayer Switching Exams; required course to become a Cisco Certified Network Specialist:</th>
<th>UNITS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCO 282</td>
<td>4</td>
</tr>
</tbody>
</table>

For additional information, contact: Cisco Technology, Technology Division Reynolds Center for Technology 112A 2201 West College Parkway
CompTIA SECURITY+
Certification and Licensing 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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 161</td>
<td>Essentials of Information Security</td>
<td>3</td>
</tr>
</tbody>
</table>

Online class that provides students an introduction to practical network and computer security, and helps prepare for the Security+ exam.

CONSTRUCTION TECHNOLOGY
Certified Inspector of Structures - State of Nevada

These licensing programs fulfill the minimum course requirements needed for licensure as a certified inspector of structures-residential.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONS 260</td>
<td>Certified Inspector of Structures-Residential</td>
<td>3</td>
</tr>
<tr>
<td>CONS 261</td>
<td>Under Floor Inspections-Certified Inspector</td>
<td>1</td>
</tr>
<tr>
<td>CONS 262</td>
<td>Above Floor Inspections-Certified Inspector</td>
<td>2</td>
</tr>
<tr>
<td>CONS 263</td>
<td>Supervised Residential Inspections for Certification</td>
<td>4</td>
</tr>
</tbody>
</table>

Certification proves a range of skills and abilities with Microsoft technologies.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIT 211</td>
<td>Microsoft Certification Technology Specialist (MCTS) Windows Client Exam (currently Windows 7)</td>
<td></td>
</tr>
<tr>
<td>CIT 212</td>
<td>Windows Server 2008 Administrator Exam</td>
<td></td>
</tr>
<tr>
<td>CIT 213</td>
<td>Windows Server 2008 Active Directory Exam</td>
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<tr>
<td>CIT 214</td>
<td>Windows Server 2008 Network Infrastructure Exam</td>
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</tbody>
</table>

TEACHER EDUCATION
Certification and Licensing Preparation

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

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

They may also transfer to UNR to pursue a bachelor's degree & certification in:
- Elementary Education
- Special Education/Dual (SPED/Elem)
- Secondary Education (Middle/High School)

Information . . . . . . 775-445-4272

WELDING
Certification and Licensing Preparation

Students are introduced to the many welding certifications available by meeting the standards of the American Welding Society codes. Includes instruction on code certification required by the American Petroleum Institute and the American Society of Mechanical Engineers. May be repeated for up to 12 units.

<table>
<thead>
<tr>
<th>Course</th>
<th>Description</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELD 250</td>
<td>Welding Certification Preparation</td>
<td>6</td>
</tr>
</tbody>
</table>

Information . . . . . . 775-445-3348
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/ce

Economic Development Center
The Economic Development Center of Western Nevada College provides educational opportunities and training solutions for business, industries and government or non-profit agencies. Assessment, instruction and evaluation are essential components of WNC’s programs. 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 ..............................................................................................775-423-5847
www.wnc.edu/ce/edc/

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.....................................................................................775-445-4458
www.wnc.edu/ce/drivereducation/

Motorcycle Safety
The Motorcycle Safety program offers Basic Rider, Experienced Rider and Advanced Rider courses using curriculum from the Motorcycle Safety Foundation. Students who successfully complete the Basic Rider course receive certification which 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/ce/mrc/

Specialty Crop Institute
The Specialty Crop Institute helps foster sustainable small farm agriculture. This innovative program combines classroom and on-farm learning for specialty crop production, outreach to remote and rural farmers, and collaboration with like-minded organizations to provide growers access to resources that increase their chances of success. Diverse short-term seminars and conferences are offered in numerous Nevada communities throughout the year.

Information.....................................................................................775-351-2551
E-mail...............................................................................................ann.louhela@wnc.edu
www.wnc.edu/ce/sci/
APPLY FOR FINANCIAL AID
All students are eligible for some type of financial assistance which includes grants, scholarships, loans and part-time employment to assist them in meeting educational expenses. Deadlines are posted on the application. Application available . . . 445-3264 • www.wnc.edu/studentservices/financial/

COUNSELING
Counselors are available weekdays and some evenings at campus locations to help students plan their academic schedules and ensure understanding of major/graduation requirements and current transfer guidelines. Counselors can also assist students with career exploration, interest testing and job search techniques, and provide current information about labor markets and educational training requirements. Information . . . 445-3267 • www.wnc.edu/studentservices/counseling/

DISABILITY SUPPORT SERVICES (DSS)
Support services for WNC students with disabilities are provided through Counseling Services on the Carson City campus. For effective and timely services, students should submit their requests for assistance at least four weeks in advance. Disability Services Carson City campus, Bristlecone Bldg. Room 103 445-3267 & 445-3266 • TTY: 445-4489 • susan.trist@wnc.edu

TESTING
Every student planning to register for English or math courses must either take placement tests, submit ACT/SAT scores (no more than two years old), or provide a transcript showing completion of prerequisite courses. Testing assesses a student’s current skills in reading, writing and math, and helps students select the appropriate courses.

TRANSFER CENTER/CAREER CENTER
The center provides a variety of services designed to assist transfer from WNC to another college or university as well as provide information regarding career descriptions, job outlook, work settings and preparation necessary to enter specific career fields. The Transfer Center is available through Counseling Services at WNC campuses.

VETERANS SERVICES
The college maintains an office of Veterans Services on the Carson City campus. Information concerning veterans services is also available through Counseling Services and at WNC’s outlying campuses. Those who are eligible for veterans benefits include: honorably discharged veterans, children of 100 percent service-connected disabled veterans, and the widowers and children of veterans who died in service or from service-connected disabilities.
TIP

CHECKLIST FOR SUCCESS...
Take 15 credits each semester to graduate on time

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/FOUR years. Enroll in 15 credits each semester (or 30 each year) to help you graduate on time, save money, and start your career sooner.

Meet with your academic advisor today and plan how you can take 15 credits each semester.

Western Nevada College - helping make your transition to college easier

FRONT COVER- (L-R) Machine Tool student Erick Manzano; Ann Roseical in Cisco class.
BACK COVER- (L-R) Chemistry Professor, Steve Carman speaks to a group of high school students during a college event.
INSIDE COVER- First page: Mistee Knopp at work.
Second page: (L-R) Professor Emily Howarth and Joaquin Garcia work in the Applied Industrial Technology lab; Josh Lee in Art class at Douglas campus
Third page: (L-R) Graduates Emily Nagel, Rebecca Nelson, Jennifer Quam & Alia Cox
Sixth page: Dr. Elizabeth Tattersall, center, helps students during a microbiology class at WNC Douglas; (L-R) Sarah Rollins, Jim Failor & Kristy Williams