

DISCOVER SUCCEEDED THIS SUMMER REPEAT

**ACADEMIC
PROGRAM GUIDE**
Fall 2022 - Summer 2023



Western Nevada College

START HERE

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

www.wnc.edu/starthere/

Attending WNC for a career upgrade or workforce development?

Taking a few credit classes for personal interest?

There is a special checklist just for you!

Visit **www.wnc.edu/starthere/**

Apply for Admission

www.wnc.edu/starthere/

Take Placement Tests

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

775-445-3267 or counseling@wnc.edu

Attend an Orientation

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

Meet with a Counselor

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

775-445-3267 or counseling@wnc.edu

Apply for Financial Aid & Scholarships

There are more financial aid and scholarship opportunities than ever before to help make college affordable. Grants, loans and on-campus student work are available.

wnc.edu/scholarship

Enroll in a College Success Class

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

Register for Classes

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

Pay Fees

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



Find What You Need

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

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Student Learning Outcomes

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

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

Upon completing a degree at WNC, students must demonstrate:

- 1. WORKING KNOWLEDGE** – Identify, describe and apply information, theories, methodologies and approaches from the sciences, social sciences and humanities/arts.
- 2. WRITTEN COMMUNICATION** – Write effective projects, papers, and reports.
- 3. QUANTITATIVE LITERACY** – Present accurate calculations and symbolic operations, and explain how such calculations and operations are used in either the specific field of study or in interpreting information in other fields.
- 4. INFORMATION LITERACY** – Locate, evaluate and appropriately use information from multiple resources to complete projects, activities and papers.
- 5. DIVERSITY AND SOCIETY** – Describe diverse historical and/or contemporary positions on selected democratic values or practices.
- 6. CRITICAL THINKING** – Integrate knowledge and skills from the study of sciences, mathematics, social sciences and the humanities/arts to think critically about and develop solutions to contemporary and/or enduring problems.
- 7. CAREER PREPARATION** – Identify, describe and apply information in the discipline or career area of their choice sufficient for further study and/or demonstrate competencies required to succeed in the workplace.



VISION

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

VALUES

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

MISSION

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

NSHE is committed to providing a place of work and learning free of discrimination on the basis of a person's age (40 or older), disability, whether actual or perceived by others (including service-connected disabilities), gender (including pregnancy related conditions), military status or military obligations, sexual orientation, gender identity or expression, genetic information, national origin, race (including hair texture and protected hairstyles such as natural hairstyles, afros, bantu knots, curls, braids, locks and twists), color, or religion (protected classes). WNC does not discriminate on the basis of sex in any education program or activity that it operates. Non-discrimination on the basis of sex is mandated by Title IX of the Education Amendments of 1972 (20 U.S.C. §§ 1681 et seq.) and the corresponding implementation regulations (34 C.F.R. Part 106). The college's commitment to nondiscrimination in its education programs and activities extends to applicants for admission and employment. Inquiries concerning the application of these provisions may be referred to the Title IX Coordinator & Director of Human Resources: (775) 445-4235, Western Nevada College, 2201 West College Parkway, Carson City, NV 89703; AND/OR the U.S. Department of Education, Office of Civil Rights, 1-800-421-3481, ocr@ed.gov. Information pertaining to the college's grievance procedures and grievance process, including how to report or file a complaint of sex discrimination, how to report or file a formal complaint of sexual harassment, and how the college will respond can be found in the Board of Regents Handbook, Title 4, Chapter 8, Section 13. (Rev. 4/22)

Online Degrees

COLLEGE ON YOUR TIME & SCHEDULE



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

PREPARE FOR TRANSFER TO A UNIVERSITY

Associate of Arts
Associate of Science*
Associate of Business

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

CERTIFICATES OF ACHIEVEMENT

Business
Bookkeeping
Criminal Justice
Graphic Design
Network Support Technician

ASSOCIATE OF APPLIED SCIENCE DEGREES

Accounting
General Business
Criminal Justice
Graphic Design
Management

BACHELOR OF APPLIED SCIENCE DEGREE

Organization and Project Management

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

**Many other programs have online courses available.
Students should work closely with a counselor to help build their online degree path.**

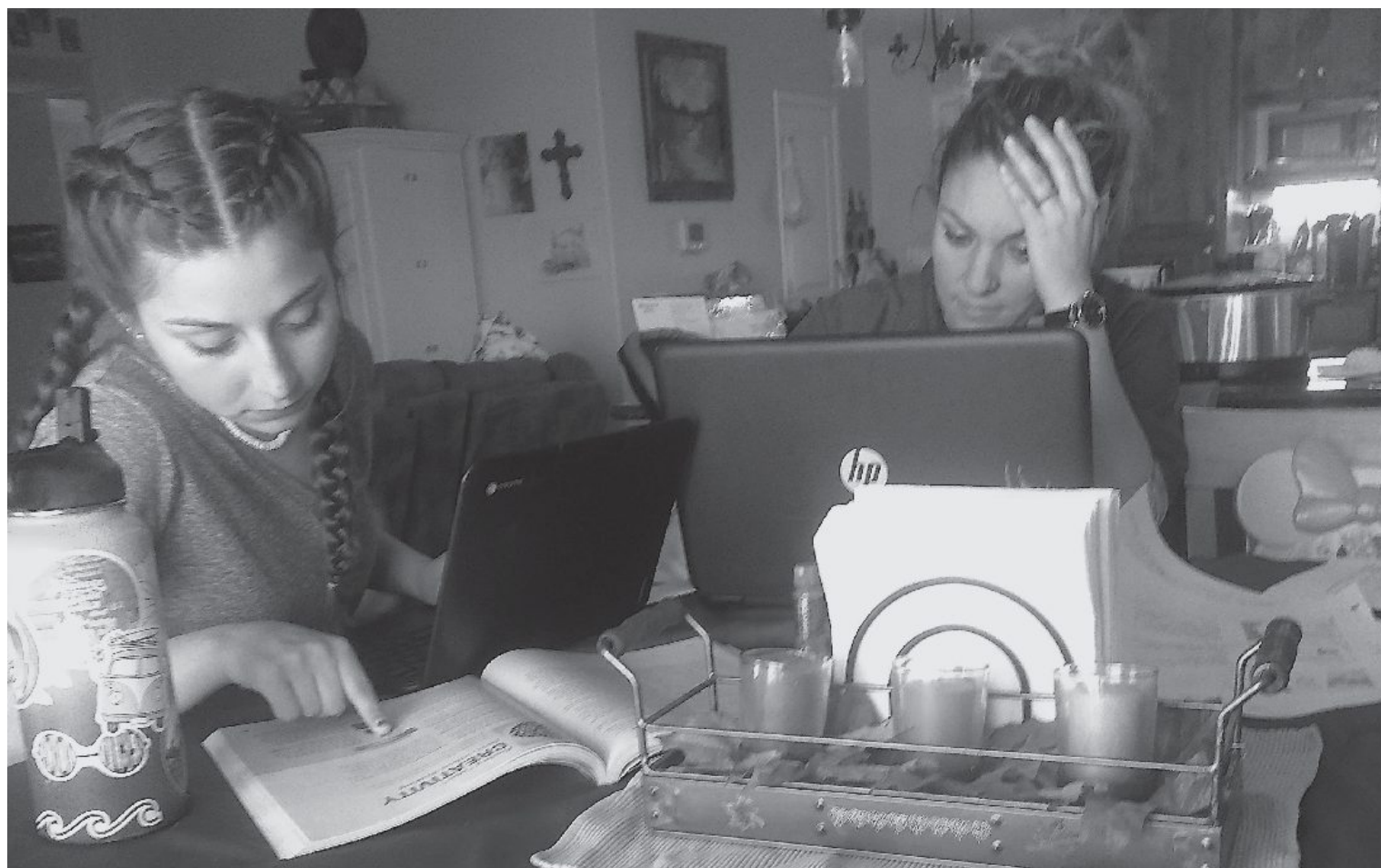
ONLINE NEW STUDENT ORIENTATION

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

CANVAS

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

WWW.WNC.EDU/ONLINE-PROGRAMS/



Associate of General Studies MEETS A VARIETY OF NEEDS

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

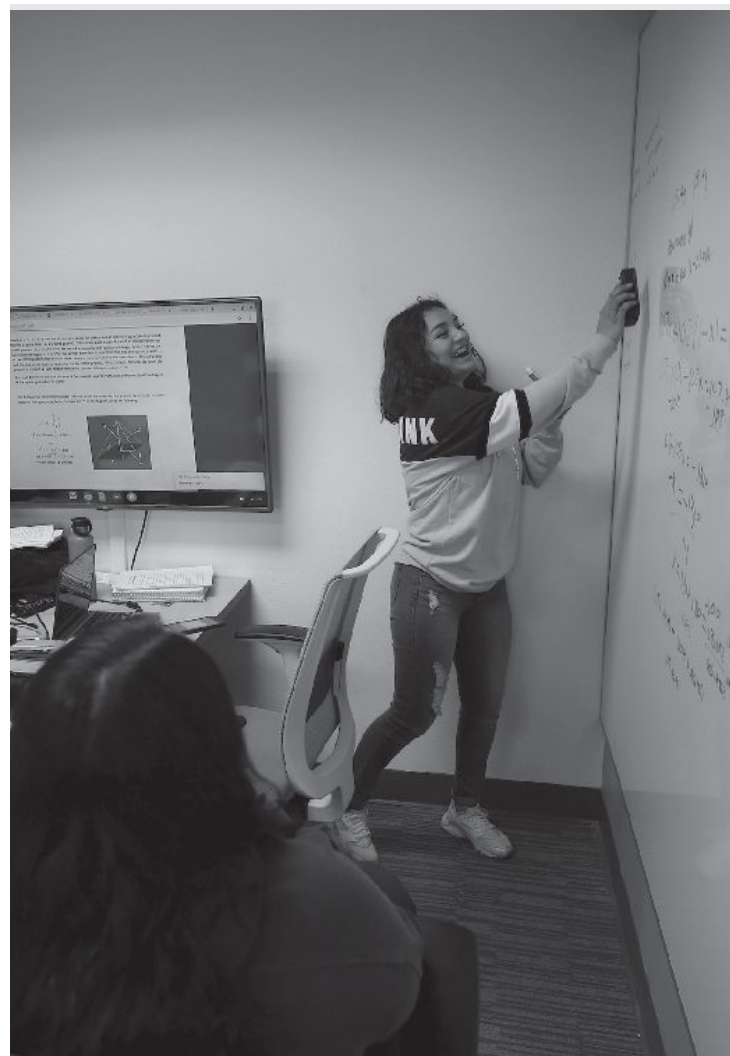
The Associate of General Studies is intended as an exploratory and terminal degree, not to be used as a transfer degree; however, credits earned under the degree may transfer to 4-year institutions. It is recommended that anyone planning to apply these credits for transfer consult their intended transfer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

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

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

STUDENT LEARNING OUTCOMES: The successful student will:

- Meet the general education student learning outcomes.
- Succeed at the professional, academic and personal goals the AGS degree serves.
- Demonstrate knowledge of the subject matter appropriate to their fields of study.



PROGRAM REQUIREMENTS

GENERAL ELECTIVES

36 or 39 UNITS

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

ANY 200 LEVEL COURSES FROM ANY AREA

6 UNITS

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

GENERAL EDUCATION REQUIREMENTS

A MINIMUM OF 60 TOTAL UNITS CHOSEN FROM THE FOLLOWING:

ENGLISH/COMMUNICATIONS 6 UNITS

Must include a three-credit writing course.

Business: 107, 108
Communication: 101, 102, 113
Criminal Justice: 103
English
Journalism: 201
Reading
Writing Course (Business 108, English 100, 101, 102, 107 or any other 200 level English class)

FINE ARTS AND HUMANITIES 3 UNITS

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

MATHEMATICS 3 UNITS

Business: 109
Economics: 261, 262
Mathematics
Psychology: 210
Statistics: 152

SCIENCE 3 UNITS

Anthropology: 102, 110L
Astronomy: 109, 110, 120
Atmospheric Sciences: 117
Biology (except for BIOL 208, 223, 224, 251)
Chemistry (except for CHEM 220, 241, 241L, 242, 242L)
Emergency Medical Services: 205
Environmental Studies
Geography: 103, 104, 116, 121
Geology: 102 (except for GEOL 111, 112, 113, 229)
Nutrition: 121
Physics (except for PHYS 293)

SOCIAL SCIENCES 3 UNITS

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

U.S. & NEVADA CONSTITUTION 3-6 UNITS

Must meet both requirements.
Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following:
HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103
History and Political Science
Combination (History 101 and Political Science 208)

Associate Degrees for University Transfer

ASSOCIATE OF ARTS • ASSOCIATE OF BUSINESS • ASSOCIATE OF SCIENCE

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

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



Silver State Transfer Program

CO-ADMISSION TO THE UNIVERSITY OF NEVADA, RENO

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

To learn more: <https://www.unr.edu/transfer/nevada-and-california-transfer/silver-state-transfer-program>

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

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

High School Opportunities

COMPLETE CORE COLLEGE COURSES WHILE IN HIGH SCHOOL

JUMP START

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

DUAL ENROLLMENT

Take college level courses and college prep courses taught by high school instructors for WNC credit.

FAST TRACK CLASSES

Nevada high school students can take WNC classes for a reduced rate and earn WNC and college credit.

Associate of Arts TRANSFER DEGREE

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

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

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

STUDENT LEARNING OUTCOMES: The successful student will:

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

YEAR ONE SUGGESTED COURSE SEQUENCE

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ENG 100 or 101	3 <input type="checkbox"/>	ENG 102	3 <input type="checkbox"/>
Social Science	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
Educational Psychology 150	3 <input type="checkbox"/>	Fine Arts Course	3 <input type="checkbox"/>
STAT 152, MATH 120	3 <input type="checkbox"/>	Humanities Requirement	3 <input type="checkbox"/>
Science Requirement	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>

THIRD & FOURTH SEMESTER

Take courses that meet requirements for the major at intended transfer school.

PROGRAM REQUIREMENTS

LIBERAL ARTS

6 UNITS

Choose from the following. Courses used to meet general education requirements may also be used to fulfill Liberal Arts requirements:

Any foreign language course numbered 200 or higher (AM 147, 148 accepted)
ART, ENG, MUS, THTR numbered 200 or higher
CH, HIST, PHIL numbered 200 or higher
ANTH, CRJ, ECON, HGPS, PSC, PSY, SOC, SW numbered 200 or higher
GEOG 200, HDFS numbered 200 or higher

TRANSFER REQUIREMENTS OR GENERAL ELECTIVES

22-27 UNITS

Students should utilize this area to take courses that meet requirements for their major at their intended transfer school. Those who have not yet selected a major may choose from among any university transferable courses to explore their options. Students planning to transfer to the University of Nevada, Reno should obtain a transfer agreement from WNC Counseling Services or the UNR Transfer Center.

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



GENERAL EDUCATION REQUIREMENTS

33-38 UNITS

ENGLISH/COMMUNICATIONS

6-8 UNITS

English: 100 or 101, 102

FINE ARTS

3 UNITS

Art: 100, 101*, 135, 124, 141, 175, 160, 211, 214, 231, 260, 261

English: 261

History: 203

Humanities: 101

Music: 121, 124, 125, 176

Music: Ensemble: 101*, 131, 135

Theatre: 100, 105*, 180

* Course may not meet the fine arts requirement at all universities. Please see a counselor.

HUMANITIES

3 UNITS

Core Humanities: 201, 202, 212

English: 200, 223

History: 105, 106, 208, 209, 247

Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245

UNR transfer students, choose at least one of the following courses:

Core Humanities: 201, 202

History: 105, 106

Philosophy: 200, 207, 245

MATHEMATICS

3 UNITS

Mathematics: 120, 124, 126, 127, 128,

176, 181, 182

Statistics: 152

SCIENCE

6 UNITS

Anthropology: 102, 110L

Astronomy: 109, 110, 120

Atmospheric Sciences: 117

Biology: 100, 113, 190, 191, 200

Chemistry: 100, 121, 122

Environmental Studies: 100, 101

Geography: 103, 104, 116, 121

Geology: 100, 101, 102, 105, 201

Nutrition: 121

Physics: 100, 151, 152, 180 & 180L

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

SOCIAL SCIENCES

3 UNITS

Choose from the following list:

Anthropology: 101, 201, 202, 212, 215

Core Humanities: 203

Criminal Justice: 101, 102, 104

Economics: 100, 102, 103

Geography: 106, 200

History: 101, 102, 111, 217

Journalism: 103

Political Science: 101, 103, 208, 231

Psychology: 101, 102, 233, 234, 240, 257, 261

Sociology: 101

U.S. & NEVADA CONSTITUTION

3-6 UNITS

Must meet both requirements. Choose from:

Core Humanities: 203

History: 111

History: 101 and one of the following:

HIST 102, HIST 217, PSC 100, PSC 208

Political Science: 101, 103

Associate of Arts

WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

Anthropology	English	Psychology
Art	French	Secondary Education
Art History	Geography	Social Work
Communication Studies	History	Sociology
Community Health Sciences	Human Development & Family Studies	Spanish
Counseling	Journalism	Speech Pathology
Criminal Justice	Music	Theatre
Dance	Nursing	Women's Studies
Elementary Education	Philosophy	
	Political Science	

TRANSFER PATHWAY EXAMPLES

GRAPHIC DESIGN MAJOR PATHWAY

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

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

EDUCATION MAJOR PATHWAY

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

ENG 101 and 102	6 units
Math 126	3 units
Humanities course	3 units
Fine Arts course	3 units
US and Nevada constitutions course	3 units
Science	6-12 units
<i>Elementary Education:</i>	
EDU 201, 203, 210	9 units,
MATH 122 and 123	6 units
<i>Secondary Education:</i>	
EDU 202	3 units
Electives/university education program requirements	15-27 units

SOCIAL WORK MAJOR PATHWAY

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

ENG 101 and 102	6 units
MATH 120 or higher	3 units
Fine arts course	3 units
Humanities course	3 units
Science course	3 units
Social Science course	3 units
US and Nevada constitutions course	3 units
BIOL 100	3 units
CPD 116	3 units
ECON 100	3 units
HDFS 201	3 units
PSY 101	3 units
SOC 101	3 units
SW 101 and 250	6 units
Electives/university social work program requirements	12 units

CRIMINAL JUSTICE MAJOR PATHWAY

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

ENG 101 and 102	6 units
MATH 120 or higher	3 units
Fine arts course	3 units
Humanities course	3 units
Science courses	6 units
US and Nevada constitutions course	3 units
Foreign Language – 4 semesters	14 units
CRJ 104, 106, 211, 222 and 234	15 units
Electives/university social work program requirements	7 units

PSYCHOLOGY MAJOR PATHWAY

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

ENG 101 and 102	6 units
Math 120 or higher	3 units
Fine Arts course	3 units
Humanities course	3 units
US and Nevada constitutions course	3 units
ENV 101	3 units
Science course	3 units
Foreign Language, 4 semesters	14 units
PSY 101, 233 or 234, 240, 241, 261	15 units
Electives/university psychology program requirements	7 units

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

Associate of Business TRANSFER DEGREE

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

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

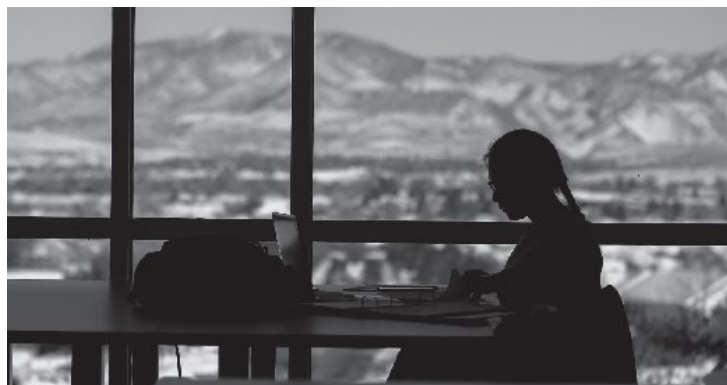
MISSION: The purpose of the Associate of Business degree is to provide the academic knowledge and skills for successful transfer to meet higher education goals.

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

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

SUGGESTED COURSE SEQUENCE

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
ENG 101	3 <input type="checkbox"/>	ACC 201	3 <input type="checkbox"/>
ECON 102	3 <input type="checkbox"/>	ECON 261	3 <input type="checkbox"/>
MATH 176	3 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
Fine Arts Requirement	3 <input type="checkbox"/>	Humanities Course	3 <input type="checkbox"/>
General Elective	3 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
ENG 102	3 <input type="checkbox"/>	ACC 202	3 <input type="checkbox"/>
ECON 103	3 <input type="checkbox"/>	ECON 262	3 <input type="checkbox"/>
IS 101	3 <input type="checkbox"/>	General Elective	6 <input type="checkbox"/>
Science Course	3 <input type="checkbox"/>	MKT 210	3 <input type="checkbox"/>
U.S./Nev. Constitution	3 <input type="checkbox"/>		



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

PROGRAM REQUIREMENTS

27 UNITS

Accounting: 201, 202
Economics: 102, 103, 261, 262
Information Systems: 101
Marketing: 210
Mathematics: 176

NOTE: If a student does not meet the prerequisite for MATH 176, MATH 126 may be used as a degree elective and should be taken in the first semester.

TRANSFER REQUIREMENT OR GENERAL ELECTIVES - 10-12 UNITS

Students should take courses that meet requirements for their major at their intended transfer school. Students planning to transfer to the University of Nevada, Reno should obtain a transfer handout from WNC Counseling Services or the UNR Transfer Center.

Recommended: BUS 101

For UNR transfer, COM 101 or 113 and 2 courses from Anthropology 101, Political Science 231, Psychology 101, Sociology 101 are recommended.

GENERAL EDUCATION REQUIREMENTS

A MINIMUM OF 21 UNITS

ENGLISH/COMMUNICATIONS

6-8 UNITS

English: 100 or 101, 102

FINE ARTS

3 UNITS

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

HUMANITIES

3 UNITS

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

UNR transfer students, choose at least one of the following courses:

Core Humanities: 201, 202
History: 105, 106
Philosophy: 200, 207, 245

MATHEMATICS

See Program Requirements

SCIENCE

6 UNITS

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

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

SOCIAL SCIENCES

See Program Requirements

U.S. & NEVADA CONSTITUTION

3-6 UNITS

Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following:
HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103

EARN THIS DEGREE ONLINE



Associate of Business

WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

Accounting

**Agricultural Science/
Economics**

Business Administration

Economics

Finance

Information Systems

International Affairs

International Business

Management

Marketing

TRANSFER PATHWAY EXAMPLES

BUSINESS MANAGEMENT MAJOR PATHWAY

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

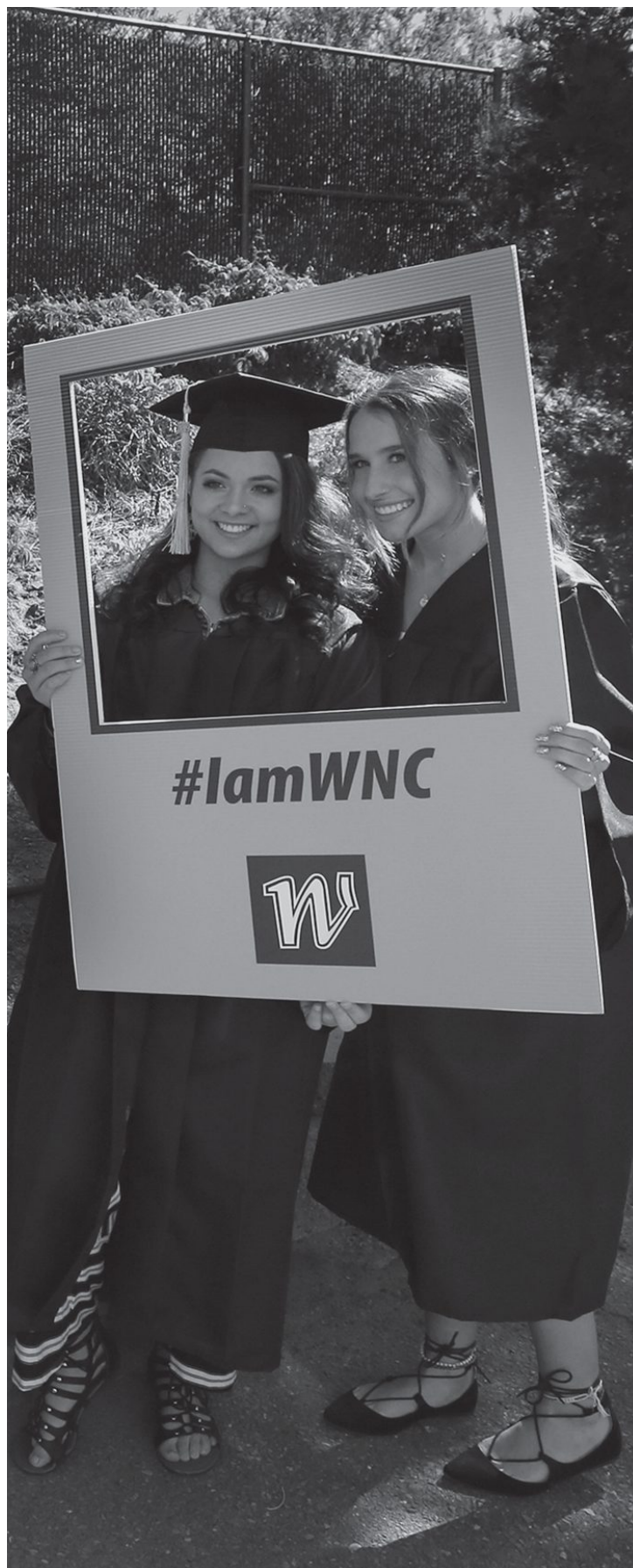
ENG 101 and 102	6 units
MATH 126 and 176	6 units
Fine arts course	3 units
Humanities course	3 units
Science courses	6 units
US and Nevada constitutions course	3 units
ACC 201 and 202	6 units
BUS 101	3 units
ECON 102, 103, 261 and 262	12 units
IS 101	3 units
MKT 210	3 units
Electives/ university business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

INTERNATIONAL BUSINESS MAJOR PATHWAY

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

ENG 101 and 102	6 units
MATH 176	3 units
Fine arts course	3 units
Humanities course	3 units
Science courses	6 units
US and Nevada constitutions course	3 units
ACC 201 and 202	6 units
ECON 102, 103, 261 and 262	12 units
IS 101	3 units
MKT 210	3 units
Foreign Language	8 units
Electives/ university business management program requirements	4 units

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



Associate of Science TRANSFER DEGREE

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

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

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

STUDENT LEARNING OUTCOMES: The successful student will:

- Meet the institutional student learning outcomes (1-6).
- Demonstrate the ability to identify the fundamental tenets of scientific inquiry.
- Present accurate calculations and symbolic operations, and explain how such calculations and operations are used in the sciences, mathematics or engineering.
- Use critical thinking and creativity to select and apply recognized experimental or observational techniques suitable for examining contemporary or enduring problems in the sciences.
- Be prepared to succeed at a transfer institution.

YEAR ONE SUGGESTED COURSE SEQUENCE

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ENG 100 or 101	3 <input type="checkbox"/>	ENG 102	3 <input type="checkbox"/>
HIST 101	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
EPY 150	3 <input type="checkbox"/>	MATH 182 or STAT 152	3-4 <input type="checkbox"/>
MATH 181	4 <input type="checkbox"/>	Science (Group A)	4-6 <input type="checkbox"/>
Fine Arts Requirements	3 <input type="checkbox"/>		

THIRD & FOURTH SEMESTER

Take courses that meet requirements for the major at intended transfer school.

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



PROGRAM REQUIREMENTS

A MINIMUM OF 18 UNITS CHOSEN FROM THE FOLLOWING:

SCIENCE 12 UNITS

Choose a minimum of 8 units from Group A.

GROUP A:

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

MATHEMATICS 6 UNITS

Mathematics: 126, 127, 128, 176, 181,
182, 283, 285, 330
Statistics: 152

GROUP B:

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

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

TRANSFER REQUIREMENT AND ELECTIVES - 19-24 UNITS

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.

GENERAL EDUCATION REQUIREMENTS

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

ENGLISH/COMMUNICATIONS 6-8 UNITS

English: 100 or 101, 102

FINE ARTS - 3 UNITS

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

HUMANITIES - 3 UNITS

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

MATHEMATICS
See Program Requirements
SCIENCE
See Program Requirements

SOCIAL SCIENCES - 3 UNITS

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

U.S. & NEVADA CONSTITUTION 3-6 UNITS

Must meet both requirements. Choose from:
Core Humanities: 203
History: 111
History: 101 and one of the following:
HIST 102, HIST 217, PSC 100, PSC 208
Political Science: 101, 103
History & Political Science
Combination (History 101 and Political
Science 208)

Associate of Science

WNC DEGREES AND ASSOCIATED TRANSFER PROGRAMS

Agriculture Science	Chemistry	Environmental Science	Mathematics	Neuroscience
Animal Science	Civil Engineering		Mechanical Engineering	Nutrition
Astronomy	Computer Science	Forest Management & Ecology		Physics
Atmospheric Science	Electrical Engineering	Geological Engineering	Medicine	Rangeland Ecology
Biochemistry	Engineering Physics	Geology	Metallurgical Engineering	Statistics
Biomedical Engineering	Environmental Engineering	Geophysics	Mining Engineering	Veterinary Science
Chemical Engineering		Hydrology	Molecular Biology	Wildlife Ecology
			Natural Resources	

TRANSFER PATHWAY EXAMPLES

BIOLOGY MAJOR PATHWAY

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

ENG 101 and 102	6 units
MATH 127 and 181	7 units
Fine arts course	3 units
Humanities course	3 units
Social Science course	3 units
US and Nevada constitutions course	3 units
BIOL 190 and 181	8 units
CHEM 121, 122, 241L and 242L	12 units
STAT 152	3 units
PHYS 151 and 152	8 units
Electives/university biology program requirements	4 units

GEOLOGY MAJOR PATHWAY

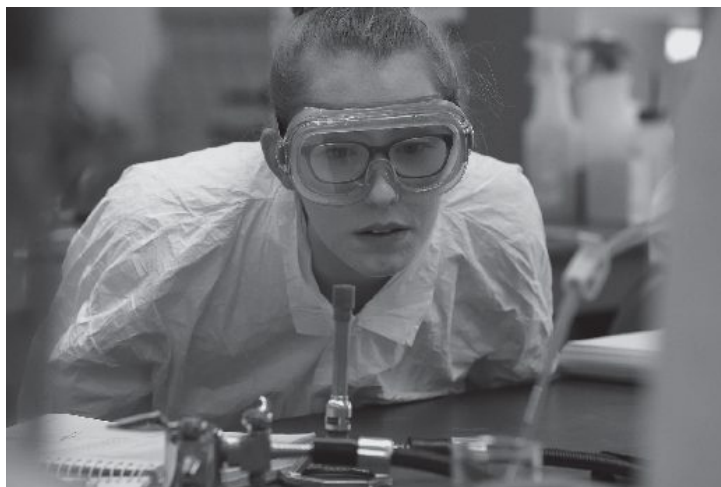
This transfer pathway is designed to meet WNC Associate in Science degree requirements with a concentration in geology, preparing students to transfer at the junior level to a four-year college to earn a bachelor's degree in geology.

ENG 101 and 102	6 units
Math 127 and 181	7 units
Fine arts course	3 units
Humanities course	3 units
Social Science course	3 units
US and Nevada constitutions course	3 units
CHEM 121 and 122	8 units
GEOL 101 and 102	8 units
PHYS 180/180L and 181/181L	8 units
Electives/university geology program requirements	11 units

ENGINEERING MAJOR PATHWAY

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

ENG 101 and 102	6 units
MATH 181, 182, 283 and 285	15 units
Fine arts course	3 units
Humanities course	3 units
US and Nevada constitutions course	3 units
CHEM 121	4 units
PHYS 180/180L, 181/181L, 182/182L	12 units
ENGR 100	3 units
Electives/university engineering program requirements	11 units



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

Programs and Career Pathways

LEARN TECHNICAL SKILLS THAT LEAD TO JOBS IN THE NEW NEVADA

Accounting

Automated Systems

Automotive Mechanics

Computer Information
Technology

Construction
Management

Criminal Justice

Cybersecurity

Deaf Studies

Education

Emergency Medical Services/
Paramedicine

Energy Technology

General Business

General Industrial
Technology

Graphic Design

Health Science

Machine Tool Technology

Management

Mechatronics

Nursing

Organization and Project
Management

Welding

SKILLS CERTIFICATES

Be ready to enter the workplace in as little as eight weeks. WNC offers more than 20 industry-recognized credentials for skill development and career advancement.



CERTIFICATES OF ACHIEVEMENT

Expand your skills with a one-year certificate.



ASSOCIATE OF APPLIED SCIENCE DEGREES

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



BACHELOR OF APPLIED SCIENCE DEGREES

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



Professional Skill Development

CERTIFICATE OF ACHIEVEMENT

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

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

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

STUDENT LEARNING OUTCOMES: The successful student will:

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

CERTIFICATE REQUIREMENTS

30 TOTAL UNITS CHOSEN FROM THE FOLLOWING CATEGORIES:

ENGLISH/COMMUNICATIONS 3-6 UNITS

Must include a writing course.

Business: 107, 108
Communication: 101, 102, 113
Criminal Justice: 103
English
Journalism: 201
Reading
Writing Course; Business 108,
English 100, 101, 102, 107 or any other
200 level English class.

MATHEMATICS - 3 UNITS

Business: 109
Economics: 261, 262
Mathematics
Psychology: 210
Sociology: 210
Statistics: 152

HUMAN RELATIONS - 1-3 UNITS

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

PROGRAM REQUIREMENTS

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

Gainful Employment Data is Available for all WNC Certificates of Achievement at <https://www.wnc.edu/financial/gainful-employment/>

SKILLS CERTIFICATE AND CERTIFICATION PREPARATION

Students can earn an industry-recognized certification in as little as 8 weeks and enter the workforce above entry level. Certification and licensing preparation programs are designed to prepare students to take state or other certified licensing exams with completion of required courses with a grade of C or higher. WNC will issue a certificate of completion for the courses of study, unless otherwise noted.

NOTE: While these courses are designed to prepare students to take a licensing or industry certification 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.



AUTOMATION & INDUSTRIAL TECHNOLOGY

Industrial Electronics Technology
Manufacturing Technician
Mechatronics Level I and Level II

ALLIED HEALTH

Certified Nursing Assistant
Emergency Medical Services
Laboratory Technician-Phlebotomy

AUTOMOTIVE TECHNOLOGY

Automotive Collision Repair
Automotive Service Excellence

BUSINESS/ACCOUNTING

Real Estate

COMPUTER INFORMATION TECHNOLOGY

Cisco Networking
Cybersecurity
Microsoft Certification

CONSTRUCTION

Certified Inspector of Structures
Ramsdell Construction Academy
Construction Gateway
Energy Technology
Heating, Ventilation, Air-Conditioning/
Refrigeration

DEAF STUDIES

Interpreting

MACHINE TOOL TECHNOLOGY

National Institute for Metalworking Skills

TEACHER EDUCATION

Nevada State College Partnership
Bachelor Degree State Licensure
Preparation
Praxis Exam Preparation

WELDING

American Welding Society

Associate of Applied Science A CAREER DEGREE

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

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

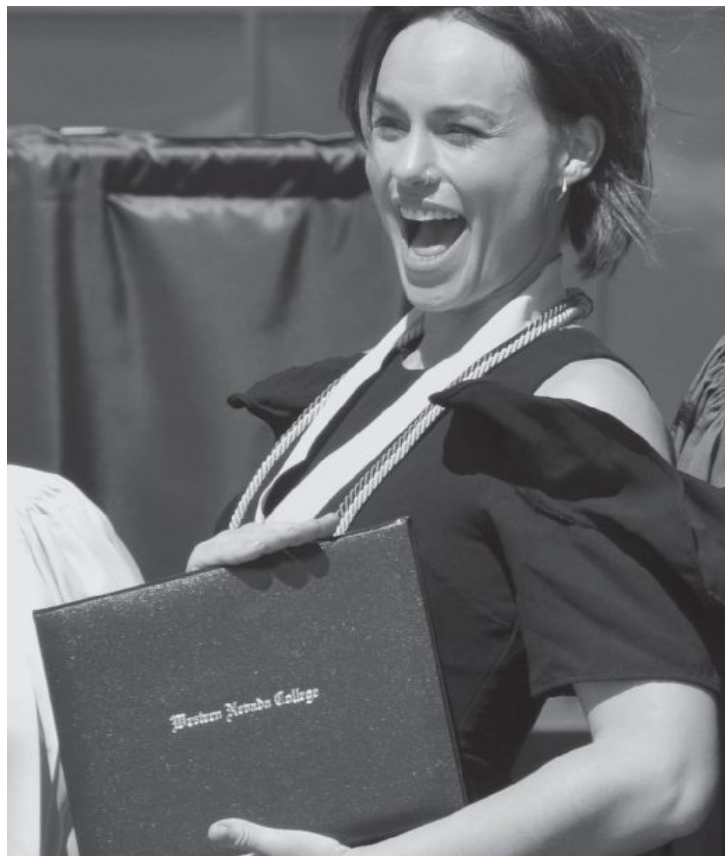
Although the AAS degree is not designed to be a transfer program, some courses will transfer to four-year colleges or universities. Students who wish to transfer to a four-year school should consult a WNC counselor. Courses with a number under 100 (such as ENG 95) are not applicable toward an Associate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

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

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

STUDENT LEARNING OUTCOMES: The successful student will:

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



PROGRAM REQUIREMENTS

36-39 UNITS

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

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

GENERAL EDUCATION REQUIREMENTS

21-24 UNITS

ENGLISH/COMMUNICATIONS 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 200 level

English class

HUMAN RELATIONS 3 UNITS

Anthropology: 101, 201

Business: 110

Counseling and Personal

Development: 117, 129

Criminal Justice: 270

Early Childhood Education: 121

Education Psychology: 150

Human Development & Family Studies:

201, 202

Management: 201, 212, 283

Nursing 261

Psychology (except for PSY 210)

Sociology (except for SOC 210)

HUMANITIES/SOCIAL SCIENCE 3 UNITS

Choose from either area:

Humanities:

Art: 100, 101*, 124, 135, 160, 214, 224, 241, 260, 261

Core Humanities: 201, 202, 212

English: 200, 221, 223, 250, 261, 266, 267, 271, 275

History: 105, 106, 203, 207, 208, 209, 247

Humanities: 101

Music: 111*, 121, 124, 125, 134, 176

Music Ensemble: 131, 135

Philosophy (except for PHIL 102, 114)

Theatre: 100, 105, 180

Social Sciences:

Anthropology: 101, 201, 202, 210, 212, 215

Core Humanities: 203

Criminal Justice: 101, 102, 104, 120, 215, 220, 225, 226, 230, 270

Economics: 100, 102, 103

Geography: 106, 200

History: 101, 102, 111, 217, 295

Journalism: 103

Political Science

Psychology (except for PSY 210)

Sociology (except for SOC 210)

** Course may not meet the fine arts requirement at all universities. See a counselor.*

MATHEMATICS 3 UNITS

Business: 109

Economics: 261, 262

Mathematics

Psychology: 210

Statistics: 152

SCIENCE 3 UNITS

Anthropology: 102, 110L

Astronomy: 109, 110, 120

Atmospheric Sciences: 117

Biology (except for BIOL 208, 223, 224, 251)

Chemistry (except for CHEM 220, 241, 241L, 242, 242L)

Emergency Medical Services: 205

Environmental Studies

Geography: 103, 104, 116, 121

Geology: (except for GEOL 111, 112, 113, 299)

Nutrition: 121

Physics (except for PHYS 293)

U.S. & NEVADA CONSTITUTION 3-6 UNITS

Must meet both requirements. Choose from the following:

Core Humanities: 203

History: 101 & 217

History: 101 & 102

History: 111

History: 101 and one of the following:

HIST 102, HIST 217, PSC 100, PSC 208

Political Science: 101, 103

History and Political Science

Combination (History 101 and Political Science 208)

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

Bachelor of Applied Science A CAREER DEGREE

WNC offers two Bachelor Degrees for students interested in advanced education and leadership development.

GENERAL EDUCATION REQUIREMENTS

ENGLISH/COMMUNICATIONS REQUIREMENTS

9 UNITS

English 100 or 101, 102

Choose from:

Business: 107

or Communication: 101, 102, 113

FINE ARTS/HUMANITIES REQUIREMENTS

3 UNITS

Art: 100, 101, 124, 135, 141, 160, 175

211, 214, 224, 231, 260, 261

Humanities: 101

Core Humanities: 201, 202, 212

Theatre: 100, 105, 180

English: 200, 223, 261

Music, Ensemble: 101, 131, 135

Music: 111, 121, 124, 125, 131, 134, 135, 176

History: 105, 106, 203, 207, 208, 209, 247

Philosophy: 101, 135, 200, 203, 204, 207, 210, 224, 245

GENERAL ELECTIVES

VARIES BY PROGRAM

MATHEMATICS REQUIREMENTS: CONSTRUCTION

3 UNITS

Choose from:

Mathematics: 120, 124, 126, 127, 128, 176, 181, 182

Statistics: 152

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

GENERAL EDUCATION REQUIREMENTS

SCIENCE REQUIREMENTS

6 UNITS

Anthropology: 102, 110L

Astronomy: 109, 110, 120

Atmospheric Sciences: 117

Biology: 100, 113, 190, 191, 200

Chemistry: 100, 121, 122

Environmental Studies: 100, 101

Geology: 100, 101, 105, 201

Geography: 103, 116, 121

Nutrition: 121

Physics: 100, 151, 152, 180, 180L

SOCIAL SCIENCES REQUIREMENT

3 UNITS

Anthropology: 101, 201, 202, 210, 212, 215

Core Humanities: 203

Criminal Justice: 101, 102, 104, 220, 230, 270

Geography: 106, 200

History: 101, 102, 111, 217, 295

Journalism: 103

Political Science: 103, 105, 108, 208, 231, 295, 299

Psychology (except for PSY 210)

Sociology (except for SOC 210)

U.S. AND NEVADA CONSTITUTION REQUIREMENTS

3 TO 6 UNITS

Choose from:

Core Humanities: 203

History: 111

History: 101 and one of the following:

HIST 102, HIST 217, PSC 100, PSC 208

Political Science: 101, 103

History & Political Science Combination (History 101 and Political Science 208)



Bachelor of Applied Science

ORGANIZATION AND PROJECT MANAGEMENT

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

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

PROGRAM ENTRANCE REQUIREMENTS

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

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

- Students transferring from another state are required to take classes to fulfill U.S. and Nevada Constitution requirements.
- ENG 102 (3 units)
- Math (3 units)
- Natural Science (6 units)
- Social Science or Humanities/Fine Arts (9 units)

See page 17 for a list of classes to fulfill these requirements.

PROGRAM REQUIREMENTS

60 UNITS

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

GENERAL ELECTIVE (upper or lower division) 3



College on your time and schedule

**EARN THIS
DEGREE ONLINE**

Bachelor of Applied Science - Organization and Project Management Suggested Course Sequence

FIRST SEMESTER (Fall)		THIRD SEMESTER (Fall)	
	Completed		Completed
MGT 320	3 <input type="checkbox"/>	FIN 310	3 <input type="checkbox"/>
MGT 485	3 <input type="checkbox"/>	IS 301	3 <input type="checkbox"/>
MGT 310	3 <input type="checkbox"/>	CIT 363	3 <input type="checkbox"/>
COM 215	3 <input type="checkbox"/>	MGT 497	3 <input type="checkbox"/>
WINTER SESSION (January)		WINTER SESSION (January)	
	Completed		Completed
MGT 323	3 <input type="checkbox"/>	BUS 299	3 <input type="checkbox"/>
SECOND SEMESTER (Spring)		FOURTH SEMESTER (Spring)	
	Completed		Completed
MKT 210	3 <input type="checkbox"/>	MGT 412	3 <input type="checkbox"/>
MGT 391	3 <input type="checkbox"/>	MGT 371	3 <input type="checkbox"/>
CIT 263	3 <input type="checkbox"/>	MGT 497	3 <input type="checkbox"/>
MGT 462	3 <input type="checkbox"/>	Elective	3 <input type="checkbox"/>
SUMMER SESSION			
	Completed		
MGT 487	3 <input type="checkbox"/>		
MGT 480	3 <input type="checkbox"/>		



Bachelor of Applied Science

CONSTRUCTION MANAGEMENT

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

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

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

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

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

CONSTRUCTION MANAGEMENT - Suggested Course Sequence

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

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

BACHELOR OF APPLIED SCIENCE IN CONSTRUCTION MANAGEMENT ADMISSION REQUIREMENTS

1. Complete a minimum of 30 college units or equivalent with a minimum 2.0 GPA. Within the 30 units:
 - A minimum of 12 units must be in applicable construction courses. This requirement may be waived if the student has construction experience.
 - A minimum of 12 units must be in applicable general education classes, including English 101, with a grade of C or better – a grade of C– or lower will not be acceptable.
 OR: Have an associate degree in Construction Management from a regionally accredited institution.
2. Meet with a WNC counselor.
3. Submit application to Admission & Records.

REQUIREMENTS

BUSINESS AND MANAGEMENT CORE REQUIREMENTS 18 UNITS

BUS 101	Introduction to Business	3
ACC 201	Financial Accounting	3

Choose 3 units from the following Economics courses:

ECON 100	Introduction to Economics	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3

Choose 3 units from the following Management courses:

MGT 323	Organizational Behavior & Interpersonal Behavior	3
MGT 367	Human Resource Management	3

Choose 6 units from the following Management courses:

COM 412	Intercultural Communication	3
MGT 462	Changing Environments	3
MGT 469	Managing Cultural Diversity	3

PROGRAM REQUIREMENTS 66 UNITS

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

GENERAL EDUCATION REQUIREMENTS 36 UNITS

English/Communications Requirement	9
Fine Arts/Humanities Requirement	3
Mathematics: 126 or higher	3
Science Requirement	6
Social Sciences Requirement	3
U.S. and Nevada Constitution Requirement	3
General Electives	9

See page 17 for a list of courses to fulfill these general education requirements.

AUTOMATION AND INDUSTRIAL TECHNOLOGY

Industry Certification Preparation

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

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

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

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

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the need and importance of lifelong learning. (WNC SLO 1)



CERTIFICATION PREPARATION - INDUSTRIAL ELECTRONICS TECHNOLOGY

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

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

CERTIFICATION PREPARATION - MANUFACTURING TECHNICIAN

The Manufacturing Technician program is the entry point for Advanced Manufacturing, Robotics and Mechatronics studies as it prepares students to earn the Manufacturing Technology Level 1 (MT1) credential. The MT1 documents that an individual is prepared for above entry-level industrial technology positions with fundamental knowledge and skills in general manufacturing concepts and technologies. The nationally recognized MT1 certification is embedded into this 3-course series and is issued by the Manufacturing Skills Institute as well as endorsed by the National Association of Manufacturers.

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

CERTIFICATION PREPARATION - MECHATRONICS FOUNDATION (LEVEL I)

Mechatronics is the study of electrical, mechanical, fluid power and control components that make up automated systems in the high-tech industrial environments of manufacturing, mining and aerospace. This advanced program of study builds on the MT1 credential or field experience to prepare students to earn the Siemens Certified Mechatronic Systems Assistant Level 1 certification. Instructor permission is required.

12 UNITS		
AIT 250	Mechatronics: Electrical Components	3
AIT 251	Mechatronics: Mechanical Components	3
AIT 252	Mechatronics: Pneumatic and Hydraulic	3
AIT 253	Mechatronics: Programmable Logic Controllers	3

MECHATRONICS LEVEL 2

Building upon the Mechatronics Level 1 certificate, Mechatronics Level 2 represents continued development of the knowledge and skills technicians need to work with complex systems. Level 2 coursework incorporates programming of modules, implementing and modifying processes and tools, and troubleshooting issues in mechatronic systems. WNC holds the distinction of being a Siemens Industrial Training (SITRAIN) partner school.

PROGRAM REQUIREMENTS			18 UNITS
AIT 270	Process Control Technologies		3
AIT 271	Intro Totally Integrated Automation		3
AIT 272	Automation Systems		3
AIT 273	Motor Control		3
AIT 274	Mechanics and Machine Elements		3
AIT 275	Manufacturing Processes		3

Endorsed by

**NATIONAL ASSOCIATION
OF MANUFACTURERS**

for entry-level workers and experienced technicians alike.

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

AUTOMATION AND INDUSTRIAL TECHNOLOGY

Automated Systems

ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - AUTOMATED SYSTEMS

This degree further develops knowledge and skills for the automated environment where the integration of computers and electronic technologies control industrial systems and machines in manufacturing, distribution and logistics environments. This degree provides students with technical theory and hands-on practice to install, operate and maintain automated systems for a variety of industries.

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 155	Applied Hands-on AIT Labs	3
AIT 200	AIT Projects	3
ET 131	DC for Electronics	4
ET 132	AC for Electronics	4

Choose 18 units from the following program electives:

Any CADD, DFT, ELM, ENGR, ENRG, ET, MT or MTT course units vary

GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement	<i>Must include a writing course</i>	6
Human Relations Requirement		3
Humanities/Social Science Requirement		3
Science Requirement		3
Mathematics Requirement:	<i>Recommended: MATH 126</i>	3
U.S. and Nevada Constitution Requirement		3
General Elective		3

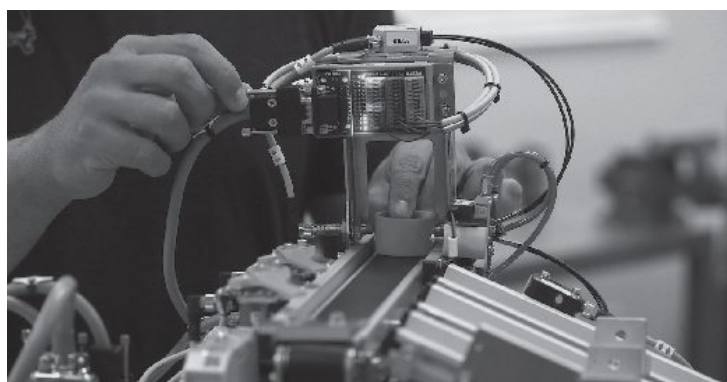
A list of all courses filling general education requirements for the Associate of Applied Science degree can be found on the Associate of Applied Science page.

AUTOMATED SYSTEMS - Suggested Course Sequence

Note: Sequence based on enrollment that begins with the fall semester.

Some courses may not be taught each semester.

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
AIT 101	4 <input type="checkbox"/>	AIT 200	3 <input type="checkbox"/>
AIT 155	3 <input type="checkbox"/>	Human Relations Course	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	Program Electives	7-9 <input type="checkbox"/>
ET 131	4 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
ET 132	4 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>	Program Electives	9 <input type="checkbox"/>
Humanities/Social Science	3 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>		
Math Course	3 <input type="checkbox"/>		



AUTOMATION AND INDUSTRIAL TECHNOLOGY

Mechatronics

Mechatronics is the high-tech field combining electrical, mechanical, fluid power and control systems in industrial environments. These programs ensure hands-on experience and operational knowledge as aligned with the rigorous Siemens Mechatronics industry certification exam objectives in addition to expanded technical studies. Class and lab experiences include developing a troubleshooting mindset through an interactive approach to automated systems, including problem-solving, research, safety, documentation and effective teamwork.

CERTIFICATE OF ACHIEVEMENT

The Mechatronics certificate builds on field experience and/or the Manufacturing Technician Level 1 (MT1) certification for a well-rounded college Certificate of Achievement.

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 18 UNITS

AIT 101	Fundamentals of Applied Industrial Technology	4
AIT 250	Mechatronics: Electrical Components	3
AIT 251	Mechatronics: Mechanical Components	3
AIT 252	Mechatronics: Pneumatic and Hydraulic	3
AIT 253	Mechatronics: Programmable Logic Controllers	3
Choose 2 units from any other AIT or ET course		2

GENERAL EDUCATION REQUIREMENTS 12 UNITS

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

MECHATRONICS TECHNOLOGY

Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
AIT 101	4 <input type="checkbox"/>	AIT 250	3 <input type="checkbox"/>
AIT or ET Course	2 <input type="checkbox"/>	AIT 251	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	AIT 252	3 <input type="checkbox"/>
Human Relations Course	3 <input type="checkbox"/>	AIT 253	3 <input type="checkbox"/>
Mathematics	3 <input type="checkbox"/>	English Course	3 <input type="checkbox"/>

ASSOCIATE OF APPLIED SCIENCE - TECHNOLOGY DEGREE MECHATRONICS TECHNOLOGY

The Mechatronics degree specialization builds on field experience and/or the Manufacturing Technician Level 1 (MT1) certification and will prepare students for Level 1 and Level 2 Siemens Mechatronic Systems Certification exams.

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

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

Choose from the following program electives:

Any CADD, DFT, ELM, ENGR, ENRG, ET, MT, or MTT	12
Any other AIT course(s)	8

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

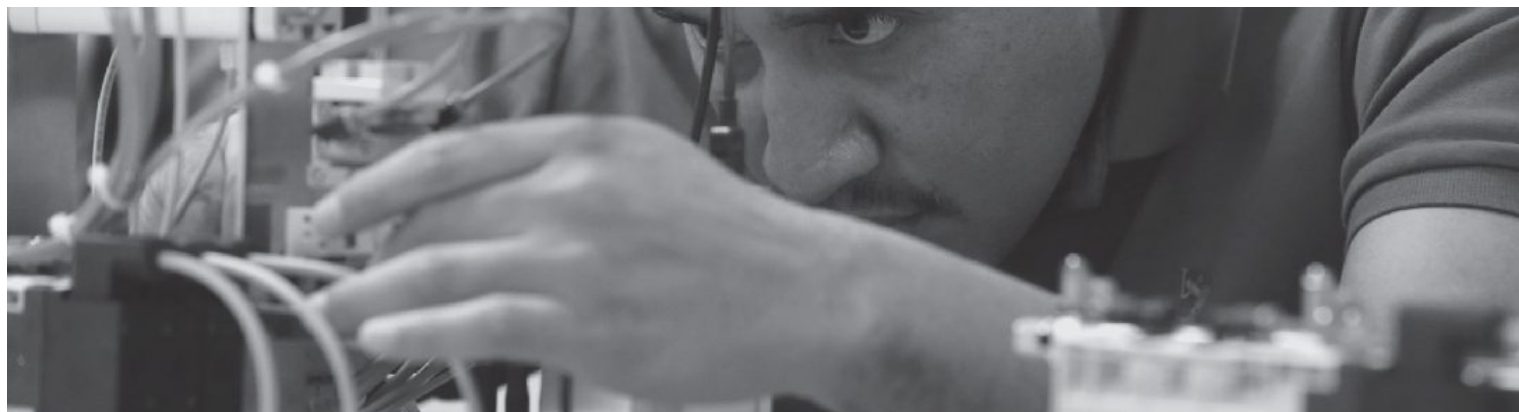
GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement: Must include a writing course		6
Human Relations Requirement		3
Humanities/Social Science Requirement		3
Science Requirement:		3
Mathematics Requirement: Recommended: MATH 110		3
U.S. and Nevada Constitution Requirement		3
General Elective		3

MECHATRONICS

Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
AIT 101	4 <input type="checkbox"/>	AIT 270	3 <input type="checkbox"/>
AIT 250	3 <input type="checkbox"/>	AIT 271	3 <input type="checkbox"/>
AIT 251	3 <input type="checkbox"/>	AIT 272	3 <input type="checkbox"/>
AIT 252	3 <input type="checkbox"/>	Human Relations Course	3 <input type="checkbox"/>
AIT 253	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
English Course		AIT 273	3 <input type="checkbox"/>
(BUS 107 or ENG 107 Rec.)	6 <input type="checkbox"/>	AIT 274	3 <input type="checkbox"/>
Math Course	3 <input type="checkbox"/>	AIT 275	3 <input type="checkbox"/>
Program Elective	2 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
Science Course	3 <input type="checkbox"/>	US/Nev. Constitution	3 <input type="checkbox"/>



AUTOMOTIVE TECHNOLOGY

Collision Repair/Automotive Service Excellence

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

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

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

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the need and importance of lifelong learning. (WNC SLO 1)



CERTIFICATION PREPARATION - AUTOMOTIVE COLLISION REPAIR

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

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

CERTIFICATION PREPARATION - AUTOMOTIVE SERVICE EXCELLENCE

Prepares students for the National Automotive Service Excellence Exams.

AUTOMOTIVE TRANSMISSION/TRANSAXLE		10 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Automotive Electricity & Electronics I	4
AUTO 210	Automatic Transmission and Transaxles I	3
AUTOMOTIVE ENGINE REPAIR		10 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Automotive Electricity & Electronics I	4
AUTO 130	Engine Reconditioning	3
AUTOMOTIVE HEATING AND AIR CONDITIONING		10 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Automotive Electricity & Electronics I	4
AUTO 160	Automotive Air Conditioning and Heating	3
AUTOMOTIVE MAINTENANCE AND LIGHT REPAIR		11 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Automotive Electricity & Electronics I	4
AUTO 227	Engine Performance II and Emission Control	4
AUTOMOTIVE MANUAL TRANSMISSION AND TRANSAXLE		10 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Automotive Electricity & Electronics I	4
AUTO 210	Transmission and Transaxles I	3
AUTOMOTIVE BRAKES		11 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 145	Automotive Brakes	4
AUTOMOTIVE ELECTRICAL/ELECTRONIC SYSTEMS		11 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 117	Advanced Auto Electronics	4
AUTOMOTIVE STEERING AND SUSPENSION		11 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 155	Steering & Suspension	4
AUTOMOTIVE ENGINE PERFORMANCE		11 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 225	Engine Performance I/Fuel & Ignition	4

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

AUTOMOTIVE TECHNOLOGY

Automotive Mechanics



CERTIFICATE OF ACHIEVEMENT

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

TOTAL REQUIREMENTS		31 UNITS
PROGRAM REQUIREMENTS		19 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 145	Automotive Brakes	4
AUTO 155	Steering & Suspension	4
AUTO 225	Engine Performance I/Fuel & Ignition	4
GENERAL EDUCATION REQUIREMENTS		12 UNITS
English/Communications Requirements: <i>Must include a writing course</i>		6
Human Relations Requirement: <i>Recommended: BUS 110</i>		1
Mathematics Requirement		3
General Electives		2

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

AUTOMOTIVE MECHANICS - Suggested Course Sequence

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

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
AUTO 101	3 <input type="checkbox"/>	AUTO 155	4 <input type="checkbox"/>
AUTO 115	4 <input type="checkbox"/>	AUTO 225	4 <input type="checkbox"/>
AUTO 145	4 <input type="checkbox"/>	Mathematics Course	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	English Course	3 <input type="checkbox"/>
Human Relations Course	1 <input type="checkbox"/>	General Elective Course	2 <input type="checkbox"/>

ASSOCIATE OF APPLIED SCIENCE - TECHNOLOGY DEGREE

TOTAL REQUIREMENTS		60 UNITS
PROGRAM REQUIREMENTS		36 UNITS
AUTO 101	Introduction to General Mechanics	3
AUTO 115	Auto Electricity & Electronics I	4
AUTO 117	Advanced Auto Electronics	4
AUTO 130	Engine Reconditioning	3
AUTO 145	Automotive Brakes	4
AUTO 155	Steering & Suspension	4
AUTO 160	Auto Air Conditioning	3
AUTO 210	Automatic Transmissions and Transaxles I	3
AUTO 225	Engine Performance I/Fuel & Ignition	4
AUTO 227	Engine Performance II/Emission Control	4
GENERAL EDUCATION REQUIREMENTS		24 UNITS
English/Communications Requirement: <i>Recommended: BUS 107 & 108; Must include a writing course</i>		6
Human Relations Requirement: <i>Recommended: BUS 110</i>		3
Humanities/Social Science Requirements		3
Mathematics Requirement: <i>Recommended: MATH 110</i>		3
Science Requirement		6
U.S. and Nevada Constitution Requirement		3

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

AUTOMOTIVE - Suggested Course Sequence

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

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
AUTO 101	3 <input type="checkbox"/>	AUTO 155	4 <input type="checkbox"/>
AUTO 115	4 <input type="checkbox"/>	AUTO 160	3 <input type="checkbox"/>
AUTO 130	3 <input type="checkbox"/>	AUTO 227	4 <input type="checkbox"/>
BUS 107	3 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
Mathematics Course	3 <input type="checkbox"/>	FOURTH SEMESTER	Completed
SECOND SEMESTER	Completed	AUTO 210	3 <input type="checkbox"/>
AUTO 117	4 <input type="checkbox"/>	BUS 108	3 <input type="checkbox"/>
AUTO 145	4 <input type="checkbox"/>	BUS 110 or Human Relations	3 <input type="checkbox"/>
AUTO 225	4 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
Humanities/Social Science Course	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>

AUTOMOTIVE TECHNOLOGY NATIONAL CERTIFICATION

Following an extensive examination of its courses, instructors and facilities, Western Nevada College has achieved National Accreditation by the Automotive Service Excellence educational foundation.

BUSINESS

Business/Real Estate/Bookkeeping

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

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

STUDENT LEARNING OUTCOMES: Students will be able to:

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

CERTIFICATE OF ACHIEVEMENT - BUSINESS

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

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 15 UNITS

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

BUSINESS ELECTIVES 6 UNITS

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

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English/Communications Requirements: Recommended: BUS 107 and BUS 108, or ENG 101 and ENG 102, must be a writing course 6
Mathematics Requirement 3

BUSINESS - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ACC 135 or ACC 201	3 <input type="checkbox"/>	BUS 108 or ENG 102	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>	BUS 109 or MATH 120	3 <input type="checkbox"/>
BUS 107 or ENG 101	3 <input type="checkbox"/>	MGT 201	3 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>	MKT 210	3 <input type="checkbox"/>
Business Elective	3 <input type="checkbox"/>	Business Elective	3 <input type="checkbox"/>

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



CERTIFICATE PREPARATION - REAL ESTATE

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

	UNITS
RE 101 Real Estate Principles	4
RE 103 Real Estate Principles II	4

CERTIFICATE OF ACHIEVEMENT - BOOKKEEPING

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

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 21 UNITS

ACC 135	Bookkeeping I	3
ACC 201	Financial Accounting	3
BUS 101	Introduction to Business	3
IS 101	Introduction to Information Systems	3
or IS 201	Computer Applications	
MGT 201	Principles of Management	3

Choose 6 units from the following:

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

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English/Communications Requirements: Recommended: BUS 107, BUS 108; Must include a writing course 6
Mathematics Requirement 3

BOOKKEEPING - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ACC 135	3 <input type="checkbox"/>	ACC 201	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>	BUS 108 or ENG/COMM	3 <input type="checkbox"/>
BUS 107 or ENG/COMM	3 <input type="checkbox"/>	MGT 201	3 <input type="checkbox"/>
BUS 109 or MATH 120	3 <input type="checkbox"/>	Bookkeeping Elective	6 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>		

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

BUSINESS

Accounting

ASSOCIATE OF APPLIED SCIENCE DEGREE - ACCOUNTING

TOTAL REQUIREMENTS 60 UNITS

CORE BUSINESS REQUIREMENTS 30 UNITS

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

ACCOUNTING DEGREE REQUIREMENTS 6 UNITS

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

ACCOUNTING ELECTIVES 9 UNITS

Choose 9 units from the following:

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

GENERAL EDUCATION REQUIREMENTS 15 UNITS

English/Communications Requirement: *Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*; must include a writing course* 6

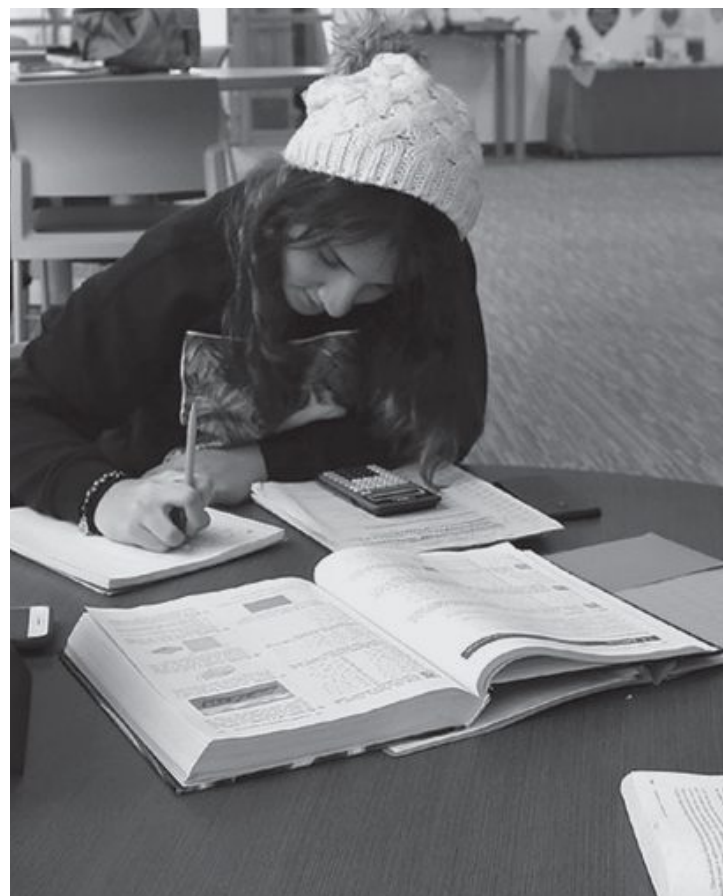
Mathematics Requirement 3

Science Requirement 3

U.S. and Nevada Constitution Requirement 3

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

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



ACCOUNTING - ON CAMPUS Suggested Course Sequence

FIRST SEMESTER Completed

ACC 201	3	<input type="checkbox"/>
BUS 107 or ENG 101	3	<input type="checkbox"/>
BUS 101	3	<input type="checkbox"/>
ECON 102	3	<input type="checkbox"/>
IS 101 or IS 201	3	<input type="checkbox"/>

SECOND SEMESTER Completed

ACC 202	3	<input type="checkbox"/>
MATH: BUS 109 or MATH 120 or higher	3	<input type="checkbox"/>
BUS 108 or ENG 102	3	<input type="checkbox"/>
ECON 103	3	<input type="checkbox"/>
MGT 201	3	<input type="checkbox"/>

THIRD SEMESTER Completed

ACC 203	3	<input type="checkbox"/>
BUS 273	3	<input type="checkbox"/>
Science Requirement	3	<input type="checkbox"/>
Accounting Elective	3	<input type="checkbox"/>
U.S./Nevada Constitution	3	<input type="checkbox"/>

FOURTH SEMESTER Completed

ACC 220 or ACC 223	3	<input type="checkbox"/>
BUS 299	3	<input type="checkbox"/>
Accounting Elective	6	<input type="checkbox"/>
MKT 210	3	<input type="checkbox"/>

ACCOUNTING - ONLINE Suggested Course Sequence

FIRST SEMESTER Completed

ACC 201	3	<input type="checkbox"/>
BUS 107 or ENG 101	3	<input type="checkbox"/>
BUS 101	3	<input type="checkbox"/>
ECON 102	3	<input type="checkbox"/>
IS 101 or IS 201	3	<input type="checkbox"/>

SECOND SEMESTER Completed

ACC 202	3	<input type="checkbox"/>
MATH: BUS 109 or MATH 120 or higher	3	<input type="checkbox"/>
BUS 108 or ENG 102	3	<input type="checkbox"/>
ECON 103	3	<input type="checkbox"/>
MGT 201	3	<input type="checkbox"/>

THIRD SEMESTER Completed

ACC 203	3	<input type="checkbox"/>
BUS 273	3	<input type="checkbox"/>
Science Requirement	3	<input type="checkbox"/>
Accounting Elective	3	<input type="checkbox"/>
U.S./Nevada Constitution	3	<input type="checkbox"/>

FOURTH SEMESTER Completed

ACC 220 or ACC 223	3	<input type="checkbox"/>
BUS 299	3	<input type="checkbox"/>
Accounting Elective	6	<input type="checkbox"/>
MKT 210	3	<input type="checkbox"/>



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

BUSINESS

General Business/Management

ASSOCIATE OF APPLIED SCIENCE DEGREE - GENERAL BUSINESS

TOTAL REQUIREMENTS		60 UNITS
CORE BUSINESS REQUIREMENTS		24 UNITS
BUS 101	Introduction to Business	3
BUS 273	Business Law I	3
BUS 299	Business Capstone	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
IS 101	Introduction to Information Systems	3
or IS 201	Computer Applications	
MGT 201	Principles of Management	3
MKT 210	Marketing Principles	3
ACCOUNTING REQUIREMENTS		6 UNITS
ACC 135	Bookkeeping I	3
& ACC 201	Financial Accounting	3
or ACC 201*	Financial Accounting	3
& ACC 202*	Managerial Accounting	3
BUSINESS ELECTIVES - IN THREE DIFFERENT AREAS		15 UNITS
Any Accounting, Business, Economics, Entrepreneurship, Finance, Management, Marketing or Real Estate courses		
GENERAL EDUCATION REQUIREMENTS		15 UNITS
English/Communications Requirement: Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*; must include a writing course		6
Mathematics Requirement		3
Science Requirement		3
U.S. and Nevada Constitution Requirement		3
*Recommended for students who plan to transfer and enroll in a bachelor's degree program.		

BUSINESS - ON CAMPUS Suggested Course Sequence	
FIRST SEMESTER	Completed
ACC 135 or ACC 201	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>
BUS 107 or ENG 101	3 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>
ECON 102	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
ACC 201 or ACC 202	3 <input type="checkbox"/>
BUS 108 or ENG 102	3 <input type="checkbox"/>
BUS 109 or MATH 120	3 <input type="checkbox"/>
ECON 103	3 <input type="checkbox"/>
MGT 201	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
BUS 273	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>
Business Elective	6 <input type="checkbox"/>
Science Course	3 <input type="checkbox"/>
FOURTH SEMESTER	Completed
Business Electives	9 <input type="checkbox"/>
BUS 299	3 <input type="checkbox"/>
MKT 210	3 <input type="checkbox"/>

BUSINESS - ONLINE Suggested Course Sequence	
FIRST SEMESTER	Completed
ACC 135 or ACC 201	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>
BUS 108 or ENG 101	3 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>
ECON 102	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
ACC 201 or ACC 202	3 <input type="checkbox"/>
BUS 107 or ENG 102	3 <input type="checkbox"/>
BUS 109 or MATH 120	3 <input type="checkbox"/>
ECON 103	3 <input type="checkbox"/>
MGT 201	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
MKT 210	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>
Business Elective	6 <input type="checkbox"/>
Science Course	3 <input type="checkbox"/>
FOURTH SEMESTER	Completed
Business Electives	9 <input type="checkbox"/>
BUS 273	3 <input type="checkbox"/>
BUS 299	3 <input type="checkbox"/>

ASSOCIATE OF APPLIED SCIENCE DEGREE - MANAGEMENT

TOTAL REQUIREMENTS		60 UNITS
CORE BUSINESS REQUIREMENTS		30 UNITS
ACC 201	Financial Accounting	3
ACC 202	Managerial Accounting	3
BUS 101	Introduction to Business	3
BUS 273	Business Law I	3
BUS 299	Business Capstone	3
ECON 102	Principles of Microeconomics	3
ECON 103	Principles of Macroeconomics	3
IS 101	Introduction to Information Systems	3
or IS 201	Computer Applications	
MGT 201	Principles of Management	3
MKT 210	Marketing Principles	3
MANAGEMENT REQUIREMENTS		6 UNITS
MGT 235	Organizational Behavior	3
MGT 283	Introduction to Human Resources Management	3
MANAGEMENT ELECTIVES		9 UNITS
Any Business, Management or Marketing courses		
GENERAL EDUCATION REQUIREMENTS		15 UNITS
English/Communications Requirement: Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*; Must include a writing course		6
Mathematics Requirement		3
Science Requirement		3
U.S. and Nevada Constitution Requirement		3
*Recommended for students who plan to transfer and enroll in a bachelor's degree program.		

MANAGEMENT - ON CAMPUS Suggested Course Sequence	
FIRST SEMESTER	Completed
ACC 201	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>
BUS 107 or ENG 101	3 <input type="checkbox"/>
ECON 102	3 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
ACC 202	3 <input type="checkbox"/>
BUS 108 or ENG 102	3 <input type="checkbox"/>
MGT 201	3 <input type="checkbox"/>
ECON 103	3 <input type="checkbox"/>
Science Requirement	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
BUS 109 or MATH 120 or higher	3 <input type="checkbox"/>
MKT 235	3 <input type="checkbox"/>
MKT 210	3 <input type="checkbox"/>
Management Elective	6 <input type="checkbox"/>
FOURTH SEMESTER	Completed
BUS 273	3 <input type="checkbox"/>
BUS 299	3 <input type="checkbox"/>
MGT 283	3 <input type="checkbox"/>
Management Elective	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>

MANAGEMENT - ONLINE Suggested Course Sequence	
FIRST SEMESTER	Completed
ACC 201	3 <input type="checkbox"/>
BUS 101	3 <input type="checkbox"/>
BUS 107 or ENG 101	3 <input type="checkbox"/>
ECON 102	3 <input type="checkbox"/>
IS 101 or IS 201	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
ACC 202	3 <input type="checkbox"/>
BUS 108 or ENG 102	3 <input type="checkbox"/>
MGT 201	3 <input type="checkbox"/>
ECON 103	3 <input type="checkbox"/>
Science Requirement	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
BUS 109 or MATH 120 or higher	3 <input type="checkbox"/>
MKT 235	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>
Management Elective	6 <input type="checkbox"/>
FOURTH SEMESTER	Completed
BUS 273	3 <input type="checkbox"/>
BUS 299	3 <input type="checkbox"/>
MKT 210	3 <input type="checkbox"/>
MGT 283	3 <input type="checkbox"/>
Management Elective	3 <input type="checkbox"/>

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



EARN THESE DEGREES ONLINE

COMPUTER INFORMATION TECHNOLOGY

Computer Information Technology

This program is designed to prepare students to work in many different information technology systems and networks that drive society and the economy. Students may study a variety of topics including networking, system administration and cybersecurity that are vital to today's collaborative and connected business environments.

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

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

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the need and importance of lifelong learning. (WNC SLO 1)

CERTIFICATE OF ACHIEVEMENT - COMPUTER INFORMATION TECHNOLOGY

The Certificate of Achievement in Computer Information Technology is designed to provide a student academic and industry recognition in computer technologies. It allows a student to pursue areas of interest in networking, system administration or a combination thereof based upon personal or professional interests or needs.

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 21 UNITS

Choose 21 units from the following:

CIT 114	IT Essentials	4
CIT 173	Linux Installation & Configuration	3
CIT 211	Microsoft Networking I	3
CIT 212	Microsoft Networking II	3
CIT 213	Microsoft Networking III	3
CIT 214	Microsoft Networking IV	3
CIT 217	Security +	3
CIT 263	Introduction to IT Project Management	3
CSCO 120	CCNA Interworking Fundamentals	4
CSCO 121	CCNA Routing Protocols	4
CSCO 220	CCNA Lan Switch Wireless	4
CSCO 221	CCNA Wan Fundamentals	4

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English Writing Requirement	3
Mathematics Requirement	3
Human Relations Requirement	1-3
Electives	0-2

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

ASSOCIATE OF APPLIED SCIENCE - COMPUTER INFORMATION TECHNOLOGY

Computer Information Technology (CIT) is the use and study of computers, networks, computer languages, and databases within an organization to solve real problems. The course of study prepares students for application programming, networking, systems administration, and internet development. Technologies studied in information systems include programming, networking, server administration, information security, database design and development, systems analysis and designing, and web development. The most significant skill for anybody in this career field is the ability to adapt and learn whatever changes the field demands.

Students may complete a degree in CIT by completing the Program Requirements and any combination of electives. Pathways provided on the next few pages are suggested courses and any combination of electives are acceptable for the degree.

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

CIT 112	Network +	3
CIT 114	IT Essentials	4
CIT 128	Introduction to Software Development	4
CIT 217	Security+	3
CIT 263	Introduction to IT Project Management	3

PROGRAM ELECTIVES

Choose 19 units from the following:

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

Students should select program electives from at least one designated pathway, as listed on page 31, based on individual student interests, career goals, etc.*

GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement: Must include a writing course	6
Mathematics Requirement: Recommended MATH 124	3
Human Relations Requirement	3
Humanities/Social Science Requirement	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Elective	3

*Students should meet with a counselor or faculty member in the CIT department for assistance with selecting degree pathways.

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



COMPUTER INFORMATION TECHNOLOGY

Microsoft/Cybersecurity

MICROSOFT CERTIFICATION - MICROSOFT CERTIFIED TECHNOLOGY SPECIALIST (MCTS)

		UNITS
CIT 211	Microsoft Certification Technology Specialist (MCTS) Windows Client Exam (currently Windows 7)	4

Microsoft Certified IT Professional – Server Administrator

CIT 212	Microsoft Networking II	3-5
CIT 213	Microsoft Networking III	3-5
CIT 214	Microsoft Networking IV	3-5

CERTIFICATION PREPARATION - CYBERSECURITY

WNC is an EC-Council Academic Training Partner

WNC offers certification preparation for Certified Network Defender, Certified Ethical Hacker and Computer Hacking Forensics Investigator. EC-Council certifications are recognized and respected worldwide.

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

CERTIFICATE OF ACHIEVEMENT - CYBERSECURITY

The Certificate of Achievement in Cybersecurity technician is designed to provide a student academic and industry recognition as they pursue their interests in cybersecurity. Students will learn the fundamentals of network defense and digital forensics as well as the methods used by penetration testers.

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 21 UNITS

CIT 217	Security +	3
CIT 273	Network Defense OR	3
CIT 274	Ethical Hacking	

Choose 15 units from the following:

CIT 114	IT Essentials	4
CIT 173	Linux Installation & Configuration	3
CIT 211	Microsoft Networking I	3
CIT 220	Routing and Switching	4
CIT 263	Introduction to IT Project Management	3
CIT 273	Network Defense*	3
CIT 274	Ethical Hacking*	3
CIT 275	Hacking Forensics Investigation	3
CSCO 120	CCNA Interworking Fundamentals	4
CSCO 121	CCNA Routing Protocols	4

*if not used in first category of program requirements

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English Writing Requirement	3
Mathematics Requirement	3
Human Relations Requirement	1-3
Electives	0-2



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

COMPUTER INFORMATION TECHNOLOGY

Computer Information Technology Pathways

Networking/System Administrator/Cybersecurity

The Computer Information Technology program prepares students for a variety of careers, certifications and degree pathways, including Associate of Applied Science degrees for Cybersecurity, Networking and System Administrator. These career pathways allow students to receive a well-rounded CIT education before focusing on an area of particular interest.

NETWORK TECHNICIAN AAS PATHWAY

As a Network Technician you may be responsible for designing and installing well-functioning computer networks, connections and cabling.

PATHWAY RECOMMENDATIONS:		15 UNITS
CIT 128	Intro to Software Dev	3
CIT 220	Routing and Switching	4
CIT 270	Network Tools	4
CIT 330	Designing Virtualized Systems	4

Suggested Course Sequence			
FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 220	4 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	CIT 173	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CIT 273	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
Human Relations	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 212	3 <input type="checkbox"/>	CIT 270	4 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 330	4 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	Department Elective	3 <input type="checkbox"/>
Humanities/Social Science	3 <input type="checkbox"/>		

SYSTEM ADMIN TECHNICIAN AAS PATHWAY

As a System Administrator Technician your responsibilities may include: Installing and configuring software, hardware and networks.

PATHWAY RECOMMENDATIONS:		18 UNITS
CIT 211	Microsoft Networking I	3
CIT 212	Microsoft Networking II	3
CIT 213	Microsoft Networking III	3
CIT 214	Microsoft Networking IV	3
CIT 215	Microsoft Networking V	3
CIT 173	Introduction to Linux	3

Suggested Course Sequence			
FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 220	4 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	CIT 173	3 <input type="checkbox"/>
CIT 211	3 <input type="checkbox"/>	CIT 273	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	Department Elective	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 270	4 <input type="checkbox"/>
CIT 213	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	Human Relations	3 <input type="checkbox"/>
		U.S./Nevada Constitution	3 <input type="checkbox"/>

CYBERSECURITY TECHNICIAN AAS PATHWAY

As a Cybersecurity Technician your responsibilities may include providing day to day monitoring of endpoint security solutions such as anti-virus, patch management, SIEM (Security Information and Event Management), IPS (Host Intrusion Prevention Systems), and FIM (File Integrity Monitoring). Maintain user access to computer systems. Work closely with the Helpdesk to troubleshoot basic security related tasks and problems. Assist with the implementation of IT security initiatives.

PATHWAY RECOMMENDATIONS:		9 UNITS
CIT 273	Network Defense	3
CIT 274	Ethical Hacking	3
CIT 275	Hacking Forensics Investigation	3

Suggested Course Sequence			
FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 220	4 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	CIT 173	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CIT 273	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	CIT 274	3 <input type="checkbox"/>
Human Relations	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 275	4 <input type="checkbox"/>
CIT 212	3 <input type="checkbox"/>	CIT 270	4 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>
		U.S./Nevada Constitution	3 <input type="checkbox"/>



COMPUTER INFORMATION TECHNOLOGY

Computer Information Technology Pathways

Programming/Web Development/Database

The Computer Information Technology program prepares students for a variety of careers, certifications and degree pathways, including Associate of Applied Science degrees for Database Administrator, Programming Technician, and Web Development. These career pathways allow students to receive a well-rounded CIT education before focusing on an area of particular interest.

DATABASE ADMINISTRATOR AAS PATHWAY

Your responsibility as a database administrator (DBA) will be the performance, integrity and security of a database. You'll be involved in the planning and development of the database, as well as in troubleshooting any issues on behalf of the users. You'll ensure that: data remains consistent across the database. A Data Analyst interprets data and turns it into information that can offer ways to improve a business, thus affecting business decisions. Data Analysts gather information from various sources and interpret patterns and trends

PATHWAY RECOMMENDATIONS:

9 UNITS

CIT 180	Database Concepts and SQL	3
CIT 183	Database Administration	3
INF 100	Informatics I	3

Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 181	3 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	INF 100	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CIT 151	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	CIT 280	3 <input type="checkbox"/>
Human Relations	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 281	3 <input type="checkbox"/>
CIT 129	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
CIT 180	3 <input type="checkbox"/>	Department Elective	3 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>

PROGRAMMING TECHNICIAN AAS PATHWAY

Computer Programmers are tasked with designing and creating software programs, integrating systems and software, training end-users, analyzing algorithms, modifying source-code, writing system instructions, and debugging systems.

PATHWAY RECOMMENDATIONS:

9 UNITS

CCIT 129	Intro to Programming	3
CIT 130	Beginning Java	3
CIT 133	Beginning C++	3
CIT 134	Beginning C#	3
CS 135	Computer Science I	3

Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 130	3 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	CIT 134	3 <input type="checkbox"/>
CIT 211	3 <input type="checkbox"/>	CIT 151	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CIT 280	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 281	3 <input type="checkbox"/>
CIT 129	3 <input type="checkbox"/>	CIT 180	3 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
Humanities/Social Science	3 <input type="checkbox"/>	Department Elective	3 <input type="checkbox"/>



WEB DEVELOPMENT AAS PATHWAY

Web developers design and build websites. They are typically responsible for the appearance of the site and technical aspects, such as site speed and how much traffic the site can handle. Web developers may also create site content that requires technical features.

PATHWAY RECOMMENDATIONS:

9 UNITS

CIT 151	Beginning Web Dev	3
CIT 152	Web Scripting Language Prog	3
CIT 251	Adv Web Development	3

Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CIT 114	4 <input type="checkbox"/>	CIT 130	3 <input type="checkbox"/>
CIT 128	3 <input type="checkbox"/>	CIT 151	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CIT 152	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>	CIT 280	3 <input type="checkbox"/>
Human Relations	3 <input type="checkbox"/>	Science Requirement	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CIT 112	3 <input type="checkbox"/>	CIT 251	3 <input type="checkbox"/>
CIT 217	3 <input type="checkbox"/>	CIT 263	3 <input type="checkbox"/>
CIT 129	3 <input type="checkbox"/>	CIT 281	3 <input type="checkbox"/>
ENG 102 or 107	3 <input type="checkbox"/>	CIT 180	3 <input type="checkbox"/>
Humanities/Social Science	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>

CONSTRUCTION TECHNOLOGY

Construction/Inspection/Energy Technology Heating, Ventilation, Air-Conditioning/Refrigeration

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

CERTIFICATION PREPARATION - CERTIFIED INSPECTOR OF STRUCTURES

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

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

CERTIFICATION PREPARATION - RAMSDELL CONSTRUCTION ACADEMY

Classes will prepare students for entry-level positions in the construction industry.

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

CERTIFICATION PREPARATION - CONSTRUCTION GATEWAY

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

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

SKILLS CERTIFICATE - ENERGY TECHNOLOGY

The Skills Certificate in Energy Technology is designed to provide a student academic and industry recognition as they pursue training leading to direct entry into the natural gas industry. Students will learn the fundamentals required for working in the natural gas energy field.

TOTAL REQUIREMENTS	10-11 UNITS
CONS 205 Construction Site Safety	2
or OSH 222 General Industry Safety	1
MT 130 Introduction to the Natural Gas Industry	3
MT 132 Natural Gas Pipe Joining	3
MT 134 Natural Gas Line Locating and Leak Survey	3

CERTIFICATION PREPARATION - HEATING, VENTILATION, AIR-CONDITIONING/REFRIGERATION

The skills certificate in HVAC prepares students for a heating and air conditioning industry career. Gain skills, knowledge and experience preparing for the in-demand jobs installing, troubleshooting and repairing HVAC systems.

	UNITS
AC 102 Refrigeration Theory	3
AC 106 Residential Gas Heating	6
AC 107 Electrical and Controls for HVAC	6
AC 113 Schematic Reading for HVAC/R	3
AC 150 Basic Refrigeration Servicing	6



CONSTRUCTION TECHNOLOGY

Construction

ASSOCIATE OF APPLIED SCIENCE TECHNOLOGY DEGREE - CONSTRUCTION

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

STUDENT LEARNING OUTCOMES:

- Know the appropriate subject matter. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the importance of lifelong learning. (WNC SLO 1)

TOTAL REQUIREMENTS **60 UNITS**

PROGRAM REQUIREMENTS **36 UNITS**

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

GENERAL EDUCATION REQUIREMENTS **24 UNITS**

English/Communications Requirement: <i>Recommended: BUS 107, BUS 108; or ENG 101*, ENG 102*</i> ; <i>Must include a writing course</i>	6
Human Relations: <i>Recommended: BUS 110</i>	3
Humanities/Social Science Requirement	3
Mathematics Requirement: MATH 126 or higher	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Elective	3

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

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

CONSTRUCTION TECHNOLOGY - Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
CONS 108	4 <input type="checkbox"/>	CONS 111	3 <input type="checkbox"/>
CEM 100	3 <input type="checkbox"/>	CADD 100	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	CONS 118	2 <input type="checkbox"/>
Human Relations Course	3 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
Science Course	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
CONS 109	4 <input type="checkbox"/>	CONS 121	3 <input type="checkbox"/>
CONS 120	3 <input type="checkbox"/>	CONS 205	2 <input type="checkbox"/>
SUR 119	3 <input type="checkbox"/>	CONS 281	3 <input type="checkbox"/>
English 102	3 <input type="checkbox"/>	CONS 290	3 <input type="checkbox"/>
Mathematics 126 or higher	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>



**For information on Bachelor of Applied Science Degree
in Construction Management - see page 17**

Criminal Justice

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

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

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

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

CERTIFICATE OF ACHIEVEMENT

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 21 UNITS

CRJ 104	Criminal Justice	3
CRJ 164	Principles of Investigation	3
CRJ 106 or	Introduction to Corrections	3
CRJ 211	Police in America	
CRJ 222	Criminal Law and Procedures	3
CRJ 225	Criminal Evidence	3
CRJ 270	Introduction to Criminology	3
Program Elective		3

GENERAL EDUCATION REQUIREMENTS 6 UNITS

English/Communications Requirements: <i>Must include writing course</i>	3
Mathematics Requirement	3

GENERAL ELECTIVE 3 UNITS

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

CRIMINAL JUSTICE Suggested Course Sequence			
FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
CRJ 104	3 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
CRJ 222	3 <input type="checkbox"/>	CRJ 106 or CRJ 211	3 <input type="checkbox"/>
CRJ 164	3 <input type="checkbox"/>	CRJ 225	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	CRJ 270	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>	Mathematics Course	3 <input type="checkbox"/>

EARN THIS DEGREE ONLINE



ASSOCIATE OF APPLIED SCIENCE DEGREE

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

CRJ 104*	Introduction to Criminal Justice	3
CRJ 106*	Introduction to Corrections	3
CRJ 155	Juvenile Justice System	3
CRJ 164	Principles of Investigation	3
CRJ 211*	Police in America	3
CRJ 222*	Criminal Law and Procedures	3
CRJ 234*	Introduction to Courts/American Legal System	3
CRJ 225	Criminal Evidence	3
CRJ 270*	Introduction to Criminology	3

Choose 9 units from the following:

Any CRJ course			1-6
ART 135	Darkroom Photography I		3
ART 141	Introduction to Digital Photography I		3
BUS 107	Business Speech Communications		3
COM 101	Oral Communications		3
CPD 116	Substance Abuse-Fundamental Facts		3
CPD 117	Introduction to Counseling		3
CPD 129	Assertiveness Techniques I		1
STAT152	Introduction to Statistics		3
SW 230	Crisis Intervention		3
Any IS, COT or CIT course			1-6
Any Foreign Language			1-6
Any PSY or SOC			1-6

*Direct transfer to UNR for CRJ major

GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement: <i>Recommend ENG 101 and 102</i>	6
Humanities Requirement	3
Mathematics Requirement: <i>Recommended: MATH 120* or higher</i>	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Electives	6

CRIMINAL JUSTICE - ON CAMPUS Suggested Course Sequence

FIRST SEMESTER	Completed
CRJ 104	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>
General Elective	3 <input type="checkbox"/>
Humanities Requirement	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
CRJ 106	3 <input type="checkbox"/>
CRJ 155	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
General Elective	3 <input type="checkbox"/>
ENG 102	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
CRJ 164	3 <input type="checkbox"/>
CRJ 211	3 <input type="checkbox"/>
CRJ 222	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
Science Requirement	3 <input type="checkbox"/>
FOURTH SEMESTER	Completed
CRJ 225	3 <input type="checkbox"/>
CRJ 234	3 <input type="checkbox"/>
CRJ 270	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>

CRIMINAL JUSTICE - ONLINE Suggested Course Sequence

FIRST SEMESTER	Completed
CRJ 104	3 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>
Math Requirement	3 <input type="checkbox"/>
CRJ 106	3 <input type="checkbox"/>
CRJ 155	3 <input type="checkbox"/>
SECOND SEMESTER	Completed
CRJ 211	3 <input type="checkbox"/>
General Elective	3 <input type="checkbox"/>
Humanities Requirement	3 <input type="checkbox"/>
ENG 102	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
THIRD SEMESTER	Completed
CRJ 225	3 <input type="checkbox"/>
CRJ 234	3 <input type="checkbox"/>
CRJ 270	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
Science Requirement	3 <input type="checkbox"/>
FOURTH SEMESTER	Completed
CRJ 164	3 <input type="checkbox"/>
CRJ 211	3 <input type="checkbox"/>
CRJ 222	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>
U.S./Nevada Constitution	3 <input type="checkbox"/>

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

Deaf Studies

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

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

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

- Produce basic expressive/receptive sign language communicative skills.
- Demonstrate appropriate ASL linguistic and grammatical structure in signing.
- Demonstrate functional language aptitude in American Sign Language including expressive/receptive signing.
- Demonstrate knowledge of linguistic, cultural, educational and social aspects in relation to the history of people who are deaf or hard of hearing.
- Demonstrate basic fluency in receptive and expressive pragmatics and production of fingerspelling in ASL.

CERTIFICATE PREPARATION - INTERPRETING

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

FIRST SEMESTER

AM 149	American Sign Language V	4
AM 201	Interpreting I	3
AM 215	Conversational American Sign Language	4

SECOND SEMESTER

AM 150	American Sign Language VI	4
AM 202	Interpreting II	3
AM 216	Receptive American Sign Language	4

THIRD SEMESTER

AM 203	Interpreting III	3
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CERTIFICATE OF ACHIEVEMENT - AMERICAN SIGN LANGUAGE

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS

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

English/Communications Requirements: <i>Must include a writing course</i>	6
Human Relations Requirement	3
Mathematics Requirement	3

DEAF STUDIES - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
AM 140	6 <input type="checkbox"/>	AM 141	6 <input type="checkbox"/>
AM 151	1 <input type="checkbox"/>	AM 152	1 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	English Course	3 <input type="checkbox"/>
Human Relations Course	3 <input type="checkbox"/>	AM Elective	4 <input type="checkbox"/>
Mathematics Course	3 <input type="checkbox"/>		

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



ASSOCIATE OF APPLIED SCIENCE DEGREE

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS

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

GENERAL EDUCATION REQUIREMENTS

English/Communications Requirements: <i>Must include a writing course</i>	6
Human Relations Requirement	3
Humanities/Social Science Requirement	3
Mathematics Requirement	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Elective (Theatre 105 recommended)	3

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

*Students can take AM 145 and AM 146 in lieu of AM 140.

**Students can take AM 147 and AM 148 in lieu of AM 141.

DEAF STUDIES - Suggested Course Sequence

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
AM 140*	6 <input type="checkbox"/>	AM 149	4 <input type="checkbox"/>
AM 151	1 <input type="checkbox"/>	AM 216	4 <input type="checkbox"/>
AM 254	3 <input type="checkbox"/>	Math Course	3 <input type="checkbox"/>
English/Comm. Course	3 <input type="checkbox"/>	U.S./Nev. Constitution	3 <input type="checkbox"/>
Human Relations Course	3 <input type="checkbox"/>	FOURTH SEMESTER	Completed
SECOND SEMESTER	Completed	AM 150	4 <input type="checkbox"/>
AM 141**	6 <input type="checkbox"/>	AM 215	4 <input type="checkbox"/>
AM 152	1 <input type="checkbox"/>	General Elective	3 <input type="checkbox"/>
AM 253	3 <input type="checkbox"/>	(Theatre 105 Recommended)	
English/Comm. Course	3 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
Hum./ Soc. Science Course	3 <input type="checkbox"/>		

EDUCATION

Early Childhood/Elementary/Special Education

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

CERTIFICATE OF ACHIEVEMENT - EARLY CHILDHOOD EDUCATION

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

TOTAL REQUIREMENTS		30 UNITS
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PROGRAM REQUIREMENTS		21 UNITS
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ECE 250	Introduction to Early Childhood Education	3
ECE 251	Curriculum in Early Childhood Education	3
ECE 204	Principles of Child Guidance	3
ECE 200	The Exceptional Child	3
HDFS 201	Life Span Human Development	3
HDFS 232	Diversity and The Young Child	3
Choose 3 credits from the following courses:		3
ECE 231, HDFS 202, EDU 214, EDU 207, or PSY 233		3

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

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

TEACHER EDUCATION

WNC offers introductory courses in teacher education that can transfer to universities or colleges that offer a bachelor's degree in education, including the University of Nevada, Reno and/or Nevada State 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 paraprofessionals needing to qualify under federal legislation.

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

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

NEVADA STATE COLLEGE PARTNERSHIP

Bachelor of Arts in Elementary or Special Education – Transfer Program

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

Contact PAT division for more information.



Graphic Design

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

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

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

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

CERTIFICATE OF ACHIEVEMENT

TOTAL REQUIREMENTS 30 UNITS

PROGRAM REQUIREMENTS 21 UNITS

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

Choose 6 units from the following:

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

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English/Communications Requirements	3
Mathematics Requirement	3
Human Relations	1-3
Elective	0-2

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

GRAPHIC DESIGN - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
ART 100 or ART 101	3 <input type="checkbox"/>	GRC 210	3 <input type="checkbox"/>
GRC 116	3 <input type="checkbox"/>	GRC 220	3 <input type="checkbox"/>
GRC 200	3 <input type="checkbox"/>	Program Elective	3 <input type="checkbox"/>
Program Elective	3 <input type="checkbox"/>	General Education Course	6 <input type="checkbox"/>
General Education Course	3 <input type="checkbox"/>		



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

ASSOCIATE OF APPLIED SCIENCE DEGREE

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

ART 100*	Visual Foundations	3
ART 101*	Drawing 1	3
GRC 116*	Introduction to Digital Art and Design	3
GRC 175	Web Design 1 or ART 260* Survey of Art History I	3
GRC 200*	Design Thinking and Methodologies	3
GRC 210*	Typography 1	3
GRC 220*	Graphic Design I	3
GRC 282	Motion Graphics for Video	3
GRC 275	Web Design II or ART 261* Survey of Art History II	3
GRC 294	Professional Portfolio	3
MKT 210	Marketing Principles	3
Any other ART class (Recommend ART 141*)		3

GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement: <i>Recommend ENG 101* and 102*</i>	6
Mathematics Requirement: <i>Recommend Math 120* or higher</i>	3
Science Requirement	3
U.S. and Nevada Constitution Requirement	3
General Electives	9

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.

GRAPHIC DESIGN - Suggested Course Sequence

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

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
ART 100*	3 <input type="checkbox"/>	GRC 220*	3 <input type="checkbox"/>
ART 101*	3 <input type="checkbox"/>	GRC 175 or ART 260*	3 <input type="checkbox"/>
GRC 116*	3 <input type="checkbox"/>	GRC 282	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	Science Course	3 <input type="checkbox"/>
Math Course	3 <input type="checkbox"/>	Elective	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	FOURTH SEMESTER	Completed
ART Elective	3 <input type="checkbox"/>	GRC 275 or ART 261*	3 <input type="checkbox"/>
GRC 200*	3 <input type="checkbox"/>	GRC 294	3 <input type="checkbox"/>
GRC 210*	3 <input type="checkbox"/>	MKT 210	3 <input type="checkbox"/>
English Course	3 <input type="checkbox"/>	U.S. and Nevada Constitution	3 <input type="checkbox"/>
Elective	3 <input type="checkbox"/>	Elective	3 <input type="checkbox"/>

*Courses transfer to UNR or TMCC. Students should work closely with a counselor when planning their schedules.

Machine Tool Technology

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

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

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the need and importance of lifelong learning. (WNC SLO 1)



CERTIFICATION PREPARATION

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

LEVEL 1: CHUCKING, SURFACE GRINDING AND MILLING

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

LEVEL 3: MEASUREMENT

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

CERTIFICATE OF ACHIEVEMENT

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

TOTAL REQUIREMENTS	30 UNITS
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PROGRAM REQUIREMENTS	20 UNITS
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DFT 110	Blueprint Reading For Industry	3
or CONS 120	Blueprint Reading and Specification	
MTT 105	Machine Shop I	3
MTT 106	Machine Shop Practice I	2
MTT 110	Machine Shop II	3
MTT 111	Machine Shop Practice II	2
MTT 230	Computer Numerical Control I	4
Related machine shop courses		3

GENERAL EDUCATION REQUIREMENTS	10 UNITS
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English/Communications Requirements: <i>Recommended: BUS 108;</i>	
<i>Must include a writing course</i>	6
Human Relations Requirement	1
Mathematics Requirement: <i>MATH 110 recommended</i>	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 - Suggested Course Sequence

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

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
MTT 105	3 <input type="checkbox"/>	DFT 110/CONS 120	3 <input type="checkbox"/>
MTT 106	2 <input type="checkbox"/>	MTT 110	3 <input type="checkbox"/>
Human Relations Course	1 <input type="checkbox"/>	MTT 111	2 <input type="checkbox"/>
GE English/Comp Course	3 <input type="checkbox"/>	GE English/Comp Course	3 <input type="checkbox"/>
Mathematics Course	3 <input type="checkbox"/>	MTT 230	4 <input type="checkbox"/>
MTT Elective	3 <input type="checkbox"/>		

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

Machine Tool Technology

ASSOCIATE OF APPLIED SCIENCE DEGREE

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

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

Choose 7 units from the following program electives:

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

GENERAL EDUCATION REQUIREMENTS 24 UNITS

English/Communications Requirement: <i>Recommended: BUS 107</i>	6
<i>Must include a writing course</i>	
Human Relations: <i>Recommended: BUS 110</i>	3
Humanities/Social Science Requirements	3
Mathematics Requirement: <i>Recommended: MATH 110</i>	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.

MACHINE TOOL TECHNOLOGY

Suggested Course Sequence

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

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



Welding

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

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

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

- Know the subject matter appropriate to the emphasis of the degree. (WNC SLO 1,3,6,7)
- Communicate effectively and appropriately, in oral and written form. (WNC SLO 2)
- Locate, evaluate and properly utilize the tools and resources appropriate to a technology degree professional. (WNC SLO 1,6,7)
- Acquire skills and perform tasks necessary for employment or career enhancement. (WNC SLO 1,7)
- Develop an appreciation of the importance of social, ethical, legal and diversity issues. (WNC SLO 5,7)
- Develop an appreciation of the need and importance of lifelong learning. (WNC SLO 1)

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

AMERICAN WELDING SOCIETY ACCREDITATION

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

SKILLS CERTIFICATES

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

	UNITS
SHIELDED METAL ARC-WELDING AND GAS METAL ARC-WELDING	
WELD 211 Welding I	3
WELD 212 Welding I-Practice	2
WELD 221 Welding II	3
WELD 222 Welding II-Practice	2
FLUXED-CORE WELDING AND GAS TUNGSTEN ARC-WELDING	
WELD 231 Welding III	3
WELD 232 Welding III-Practice	2
WELD 241 Welding IV	3
WELD 242 Welding IV-Practice	2
AWS CODE EXAM	
WELD 250 Welding Certification Preparation	9

CERTIFICATE OF ACHIEVEMENT

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

TOTAL REQUIREMENTS	30 UNITS
PROGRAM REQUIREMENTS	18 UNITS
WELD 211 Welding I	3
WELD 212 Welding I Practice	2
WELD 221 Welding II	3
WELD 222 Welding II Practice	2
WELD 250 Welding Certification Preparation	6
Welding Elective	2
GENERAL EDUCATION REQUIREMENTS	12 UNITS
English/Communications Requirements: <i>Must include a writing course</i>	6
Human Relations Requirement: <i>Recommended: BUS 110</i>	3
Mathematics Requirement	3

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

WELDING - Suggested Course Sequence

FIRST SEMESTER	Completed	SECOND SEMESTER	Completed
WELD 211	3 <input type="checkbox"/>	WELD 221	3 <input type="checkbox"/>
WELD 212	2 <input type="checkbox"/>	WELD 222	2 <input type="checkbox"/>
Human Relations Course	3 <input type="checkbox"/>	WELD 250	6 <input type="checkbox"/>
GE English/Comp Course	3 <input type="checkbox"/>	GE English/Comp Course	3 <input type="checkbox"/>
Mathematics Course	3 <input type="checkbox"/>	WELD Elective	2 <input type="checkbox"/>



Welding

ASSOCIATE OF APPLIED SCIENCE - TECHNOLOGY DEGREE

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

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

Choose 1-12 units from the following program electives:

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

GENERAL EDUCATION REQUIREMENTS 24 UNITS

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

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

WELDING - Suggested Course Sequence

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

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



Fire Science Technology

The Associate of Applied Science (AAS) is designed for individuals interested in a career or advancement in the fire service. The purpose of this program is to prepare competent entry-level firefighters and provide access to education for current fire service personnel advancement within the fire service profession. The courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum. The course content is designed to meet the National Fire Protection Association's 1001 Standard for Fire Fighter Professional Qualifications.

This degree does not guarantee employment or promotion but will prepare the student to increase their chances of being hired or promoted. Students may be placed in a physically demanding environment designed to introduce the student to job tasks and skills required to operate in the fire and emergency services.

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

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

- Demonstrate critical-thinking and decision-making skills relevant to fire service scenarios.
- Demonstrate core fire science knowledge to prevention, training, operational, and administrative situations relevant to the fire service.
- Demonstrate effective verbal and nonverbal communication in emergency and nonemergency situations including, but not limited to: communicating on the fireground, drafting administrative documents, handling disciplinary issues, completing incident reports, and conducting public education.
- Explain effective risk reduction activities through accurate hazard identification and public education activities.
- Demonstrate the ability to collaborate with a diversity of colleagues to accomplish the goals of the organization and successfully participate in the daily operations of a fire station.



ASSOCIATE OF APPLIED SCIENCE DEGREE

TOTAL REQUIREMENTS 62.5 UNITS

PROGRAM REQUIREMENTS 41.5 UNITS

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

GENERAL EDUCATION REQUIREMENTS 21 UNITS

COM 101	Oral Communications	3
	English Writing Requirement	3
	Human Relations Requirement	3
	Humanities/Social Science Requirement	3
	Mathematics Requirement	3
	Science Requirement	3
	US and Nevada Constitution Requirement	3

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

The Associate of Applied Science in Fire Science Technology program is pending final approval from the Nevada System of Higher Education.

FIRE SCIENCE - Suggested Course Sequence

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

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
FT 101	3 <input type="checkbox"/>	FT 104	3 <input type="checkbox"/>
FT 105	3 <input type="checkbox"/>	FT 109	1 <input type="checkbox"/>
COM 101	3 <input type="checkbox"/>	FT 152	3 <input type="checkbox"/>
ENG Writing	3 <input type="checkbox"/>	FT 154	3 <input type="checkbox"/>
Mathematics	3 <input type="checkbox"/>	FT 224	3 <input type="checkbox"/>
SECOND SEMESTER	Completed	U.S. and Nevada Constitution	3 <input type="checkbox"/>
EMS 108	7.5 <input type="checkbox"/>	FOURTH SEMESTER	Completed
FT 121	3 <input type="checkbox"/>	FT 110	3 <input type="checkbox"/>
FT 125	3 <input type="checkbox"/>	FT 131	3 <input type="checkbox"/>
Human Relations	3 <input type="checkbox"/>	FT 291	3 <input type="checkbox"/>
		Social Sciences/Humanities	3 <input type="checkbox"/>
		Science	3 <input type="checkbox"/>

ALLIED HEALTH

Health Science/CNA/Phlebotomy

CERTIFICATION PREPARATION - CERTIFIED NURSING ASSISTANT

The college offers NURS 130 – Nursing Assistant, a six-unit class that prepares students to take the Nevada licensing exam for certification as a nursing assistant. A Certified Nursing Assistant is an individual who, under the direction of a licensed nurse, typically provides basic nursing care for patients in long-term and acute care facilities. CNAs are educated to assist patients with activities of daily living such as bathing, feeding and dressing, and to help maintain a safe and protective care environment. As they have extensive daily contact with patients, CNAs also play a key role in communicating information/observations to the nurse.

CERTIFICATION PREPARATION - LABORATORY TECHNICIAN-PHLEBOTOMY

Phlebotomy classes (LTE 101 and LTE 102) are listed in the class schedule under the Laboratory Technician heading. These courses provide students with knowledge and skills necessary to perform the collection, identification and preservation of specimens as applied to venipuncture techniques. Phlebotomists are trained to collect blood specimens by safely performing skin puncture or venipuncture procedures on patients of all ages. They are required to adhere to strict policies and safety precautions designed to provide patient protection and comfort, and to assure safe handling of specimens throughout the collection process.



ASSOCIATE OF APPLIED SCIENCE DEGREE - HEALTH SCIENCE

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

TOTAL REQUIREMENTS 60 UNITS

PROGRAM REQUIREMENTS 36 UNITS

CHS 101	Introduction to Community Health Sciences	3
BIOL 190	Introduction to Cellular and Molecular Biology* OR	
CHEM 121	General Chemistry I*	4
PSY 101	General Psychology	3

Choose 26 units from the following:

ANTH 101	Introduction to Cultural Anthropology	3
or SOC 101	Principles of Sociology	3
BIOL 223	Human Anatomy and Physiology II	4
BIOL 224	Human Anatomy and Physiology I	4
BIOL 251	General Microbiology	4
CHEM 122	General Chemistry II	4
CHEM 220	Intro to Organic Chemistry	4
CHS 102	Foundations of Personal Health & Wellness	3
HDFS 201	Lifespan Human Development	3
EMS 100	Healthcare Provider CPR	0.5
EMS 108	Emergency Medical Technical Training	7
EMS 115	Advanced Emergency Medical Technician	7
LTE 101	Fundamental Phlebotomy	4
LTE 102	Applied Phlebotomy	3
NURS 130	Nursing Assistant	6
NUTR 223	Fundamentals of Nutrition	3

**Students may take BIOL 190 and CHEM 121 and have 4 units apply toward this requirement.*

GENERAL EDUCATION 24 UNITS

ENG 101	Composition I	3
ENG 102	Composition II	3
Human Relations		3
Math 120 or higher		3
U.S./NV Constitutions		3
General Electives		9



ALLIED HEALTH

Registered Nursing

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

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

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

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

STUDENT LEARNING OUTCOMES:

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



NURSING PROGRAM ADMISSION

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

SELECTION CRITERIA POINTS

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

GPA (pre- and corequisite courses)	2.0-2.49 (1)	2.5-2.99 (2)	3.0-3.49 (3)	3.5-4.0 (4)
(A grade of C or better is required for all pre and corequisite courses in the nursing program. A C- or lower will not be accepted.)				

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

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

Maximum Possible Points: 17

NURSING PROGRAM APPLICATION PROCESS

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

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

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

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

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

ALLIED HEALTH

Registered Nursing



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

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

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

OTHER IMPORTANT INFORMATION

- Nursing learning activities are scheduled on and off campus on days, evenings, nights and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at long-term health care facilities, acute care hospitals, clinics and day care centers.
- A grade of C (75 percent) or better is required in all nursing courses to continue in the nursing program. A grade of C- or lower will not be accepted.
- Students not admitted to the nursing program must reapply to be considered for admission the following year.
- Nursing students are expected to meet the Nursing Student Essential Abilities as discussed on the nursing Web page and in the student handbook.
- Documentation and currency of the following is required after acceptance into the nursing program and prior to the start of classes:
 - An acceptable physical examination and required immunizations and tests.
 - CPR certification (card required) through the American Heart Association (Basic Life Support for Healthcare Provider).
 - Major medical health insurance (card required).
 - An acceptable background check.

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

NURSING PROGRAM READMISSION POLICIES

1. At the conclusion of each semester of study, the Nursing Program Faculty Committee discusses students who failed or withdrew from courses during the semester. The faculty acknowledges the responsibility to readmit students, who in their judgment satisfy the requirements of scholarship and professional suitability for nursing. The faculty reserves the right to deny readmission based on a history of unprofessional conduct that violates the ANA Code of Ethics.
2. A student who matriculates into the nursing program may be readmitted one time following a withdrawal/failure. A written request for an exception to the policy for such reasons as medical and military will be considered by nursing program faculty. Students who are eligible to be considered for readmission into the nursing program will be admitted using a point system and on a space-available basis.
3. Students seeking readmission into the nursing program will be required to demonstrate currency of knowledge and skills by passing competency evaluations for selected nursing theory and laboratory courses previously successfully completed. Students may choose the option to repeat those courses or will be required to repeat those courses if the competency evaluations are not passed. A score of 75% or more is required for each theory competency evaluation and a passing grade is required for selected skill evaluations, including basic nursing assessment skills, in order to be readmitted into the nursing program.
4. A student must submit a letter to the Director of Nursing & Allied Health informing the director that he/she wishes to challenge courses previously successfully completed. The letter must be received within two weeks of receiving the acceptance letter for readmission into the nursing program. Upon receipt of the letter, the director will discuss the challenge process with the student and will schedule the challenge evaluations.
5. Students who withdrew from or who failed a course or courses that are related (e.g. NURS 136, 137 & 141) will be required to repeat all courses in the sequence. Students electing to challenge courses previously passed will be required to pass all courses that are related. For example, a student who had passed NURS 136 challenge evaluation but who fails the NURS 137 challenge evaluation will be required to repeat the sequence of courses.
6. Nursing courses taken more than 2 years prior to reapplication will need to be repeated.
7. Students seeking readmission into the nursing program will be required to submit an acceptable background check.

ALLIED HEALTH

Registered Nursing

ASSOCIATE OF APPLIED SCIENCE DEGREE - REGISTERED NURSING

TOTAL REQUIREMENTS 71.5 UNITS

PREREQUISITE COURSES* 21 UNITS

CHEM 121	General Chemistry I	4
or BIOL 190	Introduction to Cell and Molecular Biology	
BIOL 223*	Human Anatomy and Physiology I	4
BIOL 224*	Human Anatomy and Physiology II	4
ENG 101	Composition I	3
MATH 120	Fundamentals of College Mathematics	3
or MATH 124	College Algebra	
or higher level of math		

PSY 101 General Psychology 3

*BIOL 223 & BIOL 224 must be completed at the same college or university if taken at an institution other than within Nevada System of Higher Education.

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

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

COREQUISITE (NON-NURSING) COURSES 10 UNITS

BIOL 251	General Microbiology	4
ENG 102	Composition II	3
U.S./Nevada Constitutions Course (PSC 101, HIST 111 or CH 203 recommended)		3

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

REGISTERED NURSING - Suggested Course Sequence

FIRST YEAR: FALL SEMESTER COURSES 10 UNITS

NURS 136	Foundations of Nursing Theory	3
NURS 137	Foundations of Nursing Laboratory	1
NURS 141	Foundations of Nursing Clinical	2
NURS 147	Health Assessment Theory	2
NURS 148	Health Assessment Laboratory	1
NURS 152	Foundations of Pharmacology in Nursing I	1

FIRST YEAR: SPRING SEMESTER COURSES 11 UNITS

NURS 149	Mental Health and Illness Theory	3
NURS 151	Mental Health and Illness Clinical	1
NURS 153	Foundations of Pharmacology in Nursing II	1
NURS 165	Medical Surgical Nursing I Theory	3
NURS 166	Medical Surgical Nursing I Laboratory	1
NURS 167	Medical Surgical Nursing I Clinical	2

SECOND YEAR: FALL SEMESTER COURSES 9 UNITS

NURS 156	Foundations of Pharmacology in Nursing III	1
NURS 261	Nursing Care of the Family Theory	2
NURS 262	Nursing Care of the Family Lab/Clinical	1
NURS 270	Advanced Clinical Nursing I Theory	3
NURS 271	Advanced Clinical Nursing I Clinical	2

SECOND YEAR: SPRING SEMESTER 10.5 UNITS

NURS 261	Nursing Care of the Family Theory	2
NURS 262	Nursing Care of the Family Lab/Clinical	1
NURS 276	Advanced Medical Surgical Nursing II Theory	3
NURS 277	Advanced Medical Surgical Nursing II Clinical	2.5
NURS 284	Role of the ADN Manager of Care	2

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



ALLIED HEALTH

Emergency Medical Services

STUDENT LEARNING OUTCOMES:

- Demonstrate behaviors consistent with professional and employer expectations of an entry-level EMT/AEMT.
- Demonstrate proficiency in all skills necessary to fulfill the role of an entry-level EMT/AEMT.
- Demonstrate the ability to comprehend, evaluate and apply information relative to the role of an entry-level EMT/AEMT.

OTHER IMPORTANT INFORMATION

- EMT/AEMT learning activities are scheduled on and off campus on days, evenings and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at acute care hospitals, clinics and other medical facilities.
- Field experience takes place on an ALS ambulance or ALS/ILS Fire Department Engine/Rescue under the direct supervision of a preceptor.
- Documentation and currency of the following is required prior to acceptance into the EMS 108 and/or EMS 115 courses:
 - An acceptable physical examination and required immunizations and tests.
 - Current CPR certification - American Heart Association Healthcare Provider.
 - Major medical health insurance (card required).
 - An acceptable background check.

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



CERTIFICATION PREPARATION

EMS 100 – Basic Life Support CPR; EMS 108 – EMT Training; and EMS 115 – Advanced EMT. EMS courses are offered in a sequential series to prepare individuals with the knowledge and skills to assess and care for patients in an emergency or in an out-of-hospital setting. Completion of selected courses is designed to prepare students to take the National Registry Examination for EMT-Basic and the appropriate Nevada EMS certification examination for Advanced EMT. EMS 108 and EMS 115 are designed to meet the National Standard Curriculum published by the United States Department of Transportation, National Highway Traffic Safety Administration.

CERTIFICATION PREPARATION EMS 115 - ADVANCED EMERGENCY MEDICAL TECHNICIAN

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

CERTIFICATE OF ACHIEVEMENT

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

TOTAL REQUIREMENTS 30 UNITS

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

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

GENERAL EDUCATION REQUIREMENTS		15 UNITS
ENG 101	Composition I	3
MATH	Mathematics	3
PSY	Any Psychology class except 210 (PSY 101 recommended)	3
COM 101	Oral Communications	
or COM 113	Fundamentals of Speech Communications	3
BIOL 200*	Elements of Human Anatomy & Physiology	
or EMS 205	Principles of Pathophysiology	3

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

BACKGROUND CHECKS: A background check is required by health care organizations. Students will be conditionally accepted into WNC's paramedic 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 paramedic program. Students will be denied entrance into the WNC paramedic program if an adverse background check is received from a clinical site. Drug screening will also be required by clinical sites.

ALLIED HEALTH

Paramedicine

Students will develop the knowledge, skills and attitudes necessary for an entry-level paramedic and allow eligibility to sit for national and state testing for emergency medical technician, advanced emergency medical technician and paramedic. The program meets or exceeds the required skills and knowledge as set forth by the NHTSA's office of EMS National EMS Education Standards and Instructional Guidelines.

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

STUDENT LEARNING OUTCOMES:

- Demonstrate behaviors consistent with professional and employer expectations of an entry-level paramedic.
- Demonstrate proficiency in all skills necessary to fulfill the role of an entry-level paramedic.
- Demonstrate the ability to comprehend, evaluate and apply information relative to the role of an entry-level paramedic.

PARAMEDICINE PROGRAM ADMISSION

SELECTION CRITERIA: Admission is based on special admission procedures and the number of points an applicant receives. Eligible students will be numerically ranked according to total points. Admission will be offered to the applicants on the list with the highest priority points. In the event of applicants having an equal number of points, applicants will be selected as below. Selection will be accomplished by the EMS Committee using the following point-based criteria:

Complete EMS 108 with grade of C or higher at an NSHE Institution	2 pts
Complete EMS 115 with grade of C or higher at an NSHE Institution	2 pts
Letters of recommendation from EMS agency staff (3 maximum)	1 pt each
Total Points	7 pts

Selection criteria score will determine the applicant's rank in the program admission process. In the event of a tie in accumulated points, the priority will be given to the applicant:

1. First, by overall score on the Fisdap Paramedic Entrance Exam.
2. Second, to the applicant who has a documented EMS agency sponsorship agreement for the internship. Form provided in application packet.

Tied accumulated selection criteria points, and subsequent program candidate selection, only becomes a factor when there are more applicants than seats available in the program.

Students must apply for admission to Western Nevada College AND the WNC paramedic program. Applications for the next spring are available on the WNC Nursing & Allied Health Web page on or after Sept 2. The last date for submission of an application to the program is Nov 15.

PREREQUISITES: Students must complete BIOL 200* or EMS 205 with a grade of "C" or better to apply for the paramedic program (C- or lower will not be accepted) and provide a copy of their Nevada State Certification at the Advanced Emergency Medical Technician (AEMT). National Registry Certification will not be accepted. State AEMT certification is due to the program within one (1) week of the start of classes. Students may apply for admission to the paramedic program while in the process of completing BIOL 200 or EMS 205, provided the course is completed by the end of the applicable fall semester or, if taken at another institution, an official transcript showing completion of the course is provided by Jan 2 to Admissions and Records of the year of application. Evidence of courses in progress must be submitted to Admissions and Records by the application deadline.

*BIOL 223 & 224 may be accepted in lieu of BIOL 200 or EMS 205.

APPLICATION AND SUPPORTING DOCUMENTS: Submit the completed application with supporting documents, which includes Nevada State Certification at the AEMT level, to the EMS Program in the time frame delineated in the application packet. When applicable, official transcripts from other colleges must be submitted to WNC Admissions and Records.

ENTRANCE TESTING: Students are required to take the Fisdap Paramedic Entrance Exam as part of the application process. The entrance exam for prospective paramedic students is an EMS-specific exam that is designed to evaluate nationally registered EMTs who are applying or matriculating to paramedic school. Please see the Paramedic Program coordinator or NAH Department for fee and scheduled times.

REQUIREMENTS:

- A grade of C or better in all paramedic courses is required to continue in program.
- Applicants not selected will not be carried forward and must reapply to be considered for admission the following year.
- Paramedic students are expected to meet the DOT Functional Job Analysis as described in the application packet.
- Documentation and currency of the following after acceptance into the program and prior to the start of classes:
 - An acceptable physical examination and required immunizations and tests.
 - Current CPR certification - AHA Healthcare Provider
 - Major medical health insurance (card required)
 - An acceptable background check

OTHER IMPORTANT INFORMATION:

- Paramedic learning activities are scheduled on and off campus on days, evenings and weekends.
- Course organization requires students to have basic computer skills, including the ability to navigate various online learning programs.
- Clinical experiences take place at acute care hospitals, clinics and other medical facilities.
- Field experience takes place on an ALS ambulance under the direct supervision of a preceptor.



ALLIED HEALTH

Paramedicine

ASSOCIATE OF APPLIED SCIENCE DEGREE - PARAMEDICINE

TOTAL REQUIREMENTS 61 UNITS

PROGRAM REQUIREMENTS 40 UNITS

SPRING SEMESTER COURSES 18 UNITS

EMS 200	Fundamentals of Paramedic Medicine	3
EMS 203	Assessment Based Management I	3
EMS 206	Principles of Pharmacology	3
EMS 207	Airway Management & Ventilation for Paramedics	3
EMS 209	Patient Assessment for Paramedics	3
EMS 210	Principles of Cardiology for the Paramedic	3

SUMMER SEMESTER COURSES 14 UNITS

EMS 211	Paramedic Care for Medical Emergencies & ACLS	4
EMS 212	Paramedic Trauma Emergencies & ITLS	4
EMS 214	Paramedic Pediatric Emergencies	3
EMS 215	Assessment Based Management II	3

FALL SEMESTER COURSES 8 UNITS

EMS 216	Hospital Clinical Experience for the Paramedic	4
EMS 217	Field Internship for the Paramedic	4

GENERAL EDUCATION REQUIREMENTS 21 UNITS

ENG 101	Composition	3
Communications – BUS 107, COM 101, 102 or 113		3
Humanities/Social Science Requirement		3
MATH	Mathematics Requirement	3
PSY	Any Psychology course except 210 (recommend 101)	3
*EMS 205	Principles of Pathophysiology	3
OR BIOL 200	Elements of Anatomy and Physiology	3
US and Nevada Constitution Requirement		3

Note: BIOL 223 and 224 will be accepted in lieu of EMS 205 or BIOL 200

The Associate of Applied Science in Paramedicine program is pending final approval from the Nevada System of Higher Education.



PARAMEDICINE - Suggested Course Sequence

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

FIRST SEMESTER	Completed	THIRD SEMESTER	Completed
Communications	3 <input type="checkbox"/>	EMS 211	4 <input type="checkbox"/>
ENG 101	3 <input type="checkbox"/>	EMS 212	4 <input type="checkbox"/>
EMS 205	3 <input type="checkbox"/>	EMS 214	3 <input type="checkbox"/>
Math	3 <input type="checkbox"/>	EMS 215	3 <input type="checkbox"/>
PSY course	3 <input type="checkbox"/>	FOURTH SEMESTER	Completed
SECOND SEMESTER	Completed	EMS 216	4 <input type="checkbox"/>
EMS 200	3 <input type="checkbox"/>	EMS 217	4 <input type="checkbox"/>
EMS 203	3 <input type="checkbox"/>	Humanities/Social Science	3 <input type="checkbox"/>
EMS 206	3 <input type="checkbox"/>	U.S./Nevada Constitution	3 <input type="checkbox"/>
EMS 207	3 <input type="checkbox"/>		
EMS 209	3 <input type="checkbox"/>		
EMS 210	3 <input type="checkbox"/>		



Peace Officer Academy

The Peace Officer Standards and Training (POST) Academy at WNC is designed to meet or exceed the standards required by the State of Nevada POST regulatory agency. Students will be prepared in the areas of Category I, Category II, and Category III standards of training for peace officers. Upon completion of this program students will be eligible to sit for the State certification exam once hired by a law enforcement agency.

STUDENT LEARNING OUTCOMES: Students who completed a Certificate of Achievement in Peace Officer Academy are expected to:

- Demonstrate oral and written communication skills as required by individual law enforcement agencies.
- Differentiate the Nevada Revised Statutes related to Law Enforcement for charging specific criminal statutes.
- Interpret the U.S. Constitution, Nevada Law, and case law as it relates to specific search and seizure issues.
- Demonstrate proper firing techniques in use of firearms.
- Demonstrate the prescribed use of force in defensive tactics and arrest procedures.
- Demonstrate physical agility activities as indicated in Nevada POST state regulations.



CERTIFICATE OF ACHIEVEMENT

Program Entrance Requirements:

21 Years of age or older

Obtain program required equipment

Pass required background check and drug screening

Medical Physical Exam

Physical Fitness test as prescribed by the Nevada Commission on POST

Voice Stress Analyzer Test performed by NSHE Police Services

Approval of Academy Commander

TOTAL REQUIREMENTS 34 UNITS

PROGRAM REQUIREMENTS 25 UNITS

CRJ 111	Firearms I	3
CRJ 115	Cultural Recognition and History of Patrol for Police Academy	3
CRJ 116	Fundamentals of Investigations and Correction for Police Academy	3
CRJ 117	Crisis Intervention and De-escalation for Police Academy	3
CRJ 170	Physical Training for Law Enforcement	1
CRJ 219	Emergency Vehicle Operations and Control	3
CRJ 220	Criminal Procedures	3
CRJ 229	Defensive Tactics	3
CRJ 230	Criminal Law	3

All courses in program requirements must be completed with a minimum grade of C; a C- or lower does not meet the requirement.

GENERAL EDUCATION REQUIREMENTS 9 UNITS

English Writing Requirement	3
Human Relations Requirement	3
Mathematics Requirement	3

PEACE OFFICER ACADEMY - Suggested Course Sequence

Note: Sequence based on enrollment that begins with the fall semester.

Some courses may not be taught each semester.

FIRST SEMESTER	Completed		
English Writing	3	<input type="checkbox"/>	
Human Relations	3	<input type="checkbox"/>	
Math	3	<input type="checkbox"/>	
SECOND SEMESTER	Completed		
CRJ 115	3	<input type="checkbox"/>	
CRJ 116	3	<input type="checkbox"/>	
CRJ 170	3	<input type="checkbox"/>	
CRJ 219	3	<input type="checkbox"/>	
CRJ 229	3	<input type="checkbox"/>	
CRJ 230	3	<input type="checkbox"/>	
THIRD SEMESTER	Completed		
CRJ 111	4	<input type="checkbox"/>	
CRJ 117	4	<input type="checkbox"/>	



Continuing Education

WNC Continuing Education offers courses* in Carson City, Fallon and online, open to any member of the community. We provide opportunities to learn new skills, advance your career and better your life in a low-pressure, encouraging environment. Our goal is to meet your needs, provide you with clear pathways to meet your goals and inspire you to keep learning! You can also connect with us on social media. Connect on Facebook @ WNCContinuingEd. **To register: visit www.wnc.edu/continuing-education or call (775) 445-4210 (Carson City) or (775) 423-7565 (Fallon).**

MOTORCYCLE SAFETY

BASIC RIDERCOURSE

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

ADVANCED RIDERCOURSE

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



PROFESSIONAL DEVELOPMENT & PERSONAL INTEREST CLASSES

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

BLOGGING AND PODCASTING FOR BEGINNERS

Learn to plan and create your very own blog and podcast.

BEGINNER'S GUIDE TO GETTING PUBLISHED

A published writer shows you how to get your books and articles published.

STOCK TRADING SUITE

Learn the basics of stocks, bonds, finance and investing.

BASIC COMPUTER SKILLS SUITE

Learn touch-typing, computer skills for the workplace, and get an introduction to PC troubleshooting.

LEARN TO BUY AND SELL ON EBAY

Auction pros teach you how to work from home or earn extra income by buying and selling goods online.

ACHIEVING SUCCESS WITH DIFFICULT PEOPLE

Learn how to have more successful relationships with difficult bosses, co-workers, students, neighbors or relatives.

START YOUR OWN EDIBLE GARDEN

Grow nutritious, delicious fruits and vegetables in your own backyard.



CAREER TRAINING ONLINE COURSES

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

MEDICAL BILLING AND CODING

A comprehensive course that prepares you to earn a certification as a medical biller and coder.

CERTIFIED CLINICAL MEDICAL ASSISTANT

Prepare for a rewarding career in healthcare and earn your CCMA certification.

CERTIFIED PROFESSIONAL LIFE COACH

Learn the core competencies of a life coach and create your own distinctive coaching style.

PHARMACY TECHNICIAN

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

NASM CERTIFIED PERSONAL TRAINER

Gain the knowledge, skills and abilities you need to pass the National Academy of Sports Medicine exam and become a successful personal trainer.

NEW CLASSES ARE ADDED REGULARLY. CALL OR VISIT US ONLINE FOR OUR MOST CURRENT CLASS LISTINGS.

(775) 445-4210 - Carson City

www.wnc.edu/continuing-education

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

COMMERCIAL DRIVING TRAINING PROGRAM

This class is designed to prepare students to pass the CDL Skills test. The Skills test is comprised of vehicle inspection, basic vehicle control and on-road test.

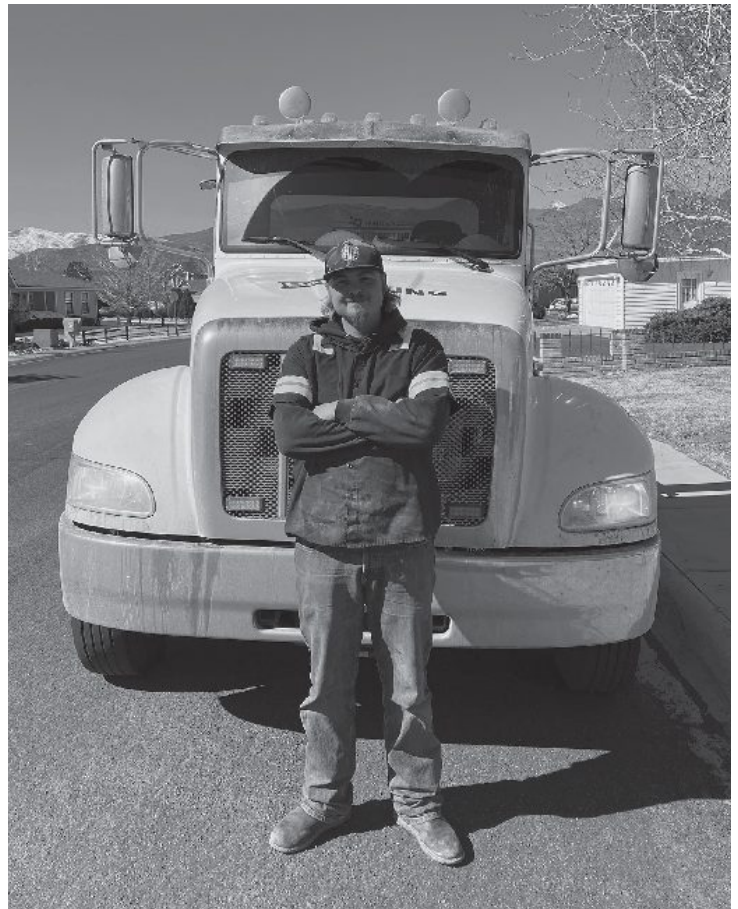
The 4-week class is 85% hands-on instruction and 15% classroom instruction. The classroom portion focuses on the concepts of the skills test including basic control and backing the truck/trailer. The classroom portion also focuses on the concepts of double clutch shifting. The hands-on portion focuses on operating the truck/trailer in a controlled environment and under close supervision of the instructor(s). The hands-on portion also includes intensive training in backing the truck/trailer in a controlled backing concourse.

The students are tested on their knowledge via written test review and skills test (driving and backing) evaluations by the instructor(s). Additional practice is available using a state of the art simulator.

Classes are currently available in Fallon and will be offered in Carson City beginning in September 2022. Scholarships are available for students with financial need.

**NEW CLASSES ARE ADDED REGULARLY. CALL OR VISIT US ONLINE
FOR OUR MOST CURRENT CLASS LISTINGS.
(775) 445-4241 - Carson City
www.wnc.edu/continuing-education**

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



The path to *new opportunities* starts here.

Western Nevada College's ACCEL program prepares you for success.

- Learn English
- Prepare for the High School Equivalency exam (HiSET or GED)
- Take the HiSET or GED exam
- Boost skills for the workforce
- Prepare for college or a career
- Earn a technical certificate
- Learn basic computer skills
- Citizenship preparation



**FREE
RESOURCES
FOR
STUDENTS!**

**Once enrolled in ACCEL,
you can take advantage of:**

- Tutoring for any subject in all levels
- Support with college coursework
- Unlimited bus passes
- Loaner Chromebooks and internet hotspots
- Self-paced online study options
- Virtual and in-person classes!

We are here for your success!



Scan the code
to visit wnc.edu/accel
and learn more today.

ACCEL
*College and Career
Readiness*



Paving the state's economy with a skilled workforce!

The **ROADS** program will help retrain Nevadans for a new career and enable them to become key contributors to the state's economy. Students in the program will receive financial support for various costs (tuition, training, certifications, testing, transportation, housing assistance, childcare, books, materials and/or supplies). Students will access training in manufacturing, health care, technology, building trades and more to establish stable careers..

**To learn more about ROADS, go to
wnc.edu/ROADS**

ROADS services include, but are not limited to:

- Customized industry-specific training for both pre-and-post employment
- Industry credentials and certifications
- Students will acquire transferable skills employers value in a variety of work settings
- Students will be introduced to multiple employment opportunities
- Mentorship and guidance critical to personal and professional growth





Fund Your Future

WNC FOUNDATION SCHOLARSHIP PROGRAM

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

Scholarship Application Requirements

With over 300 different scholarships available, all Western Nevada College students should apply. The application cycle opens November 1st and runs through April 1st of the year prior. Minimum criteria for consideration include a GPA of 2.0 on a 4.0 point scale and a minimum course load of six credits. Applicants must submit a complete application by the deadline date in order to be considered. Nursing students are eligible to apply from June 30th through July 21st, following their acceptance into the nursing program.

Letters of recommendation are not required. Please be prepared to provide a short personal statement and a statement describing your commitment to community service. Additional questions correspond to criteria within each unique scholarship. With this one, easy application you will be considered for all Foundation scholarships totaling over **\$700,000**.

When and How to Apply

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

wnc.edu/scholarship

CAMPUS RESOURCES

ADMISSIONS & RECORDS

Applying for admission is the first step to attending WNC. Our admissions team can help you access your myWNC account, assist you with registration and more!

www.wnc.edu/admissions | 445-3277

BUSINESS OFFICE/PAYMENTS

Paying fees on time is important for student success. WNC's Business Office offers payment plans to make paying for college easier.

www.wnc.edu/admissions/fees | 445-4221

COUNSELING SERVICES

Academic advising is available to help students make important decisions regarding educational goals and career pathways. The goal of our Counseling Office is to help you stay on track toward graduation.

www.wnc.edu/counseling | 445-3267

DISABILITY SUPPORT SERVICES / CAREERCONNECT

Students with disabilities are provided equal access to higher education through academic support services, technology and advocacy in order to promote their independence, retention and graduation.

www.wnc.edu/dss | 445-4459

FINANCIAL ASSISTANCE

Our financial assistance team aims to help reduce financial barriers so you can thrive at WNC.

www.wnc.edu/financial | 445-3264

LATINO OUTREACH

Our Latino Outreach team is dedicated to assisting first-generation Latino students in order to promote enrollment, course completion and degree attainment.

www.wnc.edu/latino-outreach | 445-3344

VETERANS ASSISTANCE

With the motto of "Vets helping Vets" this office focuses on assisting vets and their families in the transition to higher education.

veteranscenter@wnc.edu | 445-3263

Carson City Campus
2201 W. College Parkway
Carson City, NV 89703
775-445-3000

Douglas Campus
1680 Bently Parkway South
Minden, NV 89423
775-782-2413

Fallon Campus
160 Campus Way
Fallon, NV 89406
775-423-7565

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