

# ASSOCIATE DEGREE PROGRAMS

## ASSOCIATE OF SCIENCE

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.

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

### 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 transfer institution.

### Bachelor Degree Pathways

WNC has 2+2 partnerships with UNR and many other institutions to make completing your degree at WNC and transferring later as smooth as possible. The Associate of Science degree is designed so students may tailor it to meet degree requirements for a variety of majors at transfer institutions.

### **Biology**

A strong foundation in biology can lead to many career paths in health and environmental science, education, research and more.

### **Chemistry**

A solid background in science and mathematics can lead to careers in education, industry, government, medicine and more. Students will have hands-on experience in a lab environment throughout college studies.

### **Community Health Science/Nutrition/Kinesiology**

Explore health from many perspectives: emotional, social, spiritual, intellectual, environmental and physical. Students will be prepared to work in a variety of public and private positions, such as hospital administration, community health educator and fitness trainer.

### **Computer Science**

Enter a field that is growing at a rapid pace, learning to solve societal problems with computers. Because students are provided a well-rounded education in computer science and computer engineering, they will have the versatility employers are seeking.

### **Engineering**

There are many fields in engineering to consider: Civil, mining, mechanical, environmental, chemical and biomedical, computer, metallurgical and geological. These fields are well-compensated and offer promising futures.

### **Environmental Science**

Make a difference by preparing to solve a wide variety of environmental problems and focus on areas such as policy, environmental pollution and more. Students will become knowledgeable in animal science, wildlife science, soils, botany and ecology.

### **Geology**

Learn about the major earth systems and the geologic processes that create and shape them. Find work in energy companies, engineering firms, research institutions, government agencies, colleges and universities.

### **Math**

Individuals with a skill for math and calculations can balance their abilities with arts, humanities, and other general studies for careers in education, finance, computing, science and more.

## Program Requirements

A minimum of 18 units chosen from the following:

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### **Mathematics**

6 units

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

Statistics: 152

### **Science**

12 units

**Choose a minimum of 8 units from Group A.**

### **GROUP A:**

## Associate Degree Programs

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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

### 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 & Electives 19-24 units

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

## GENERAL EDUCATION REQUIREMENTS

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

### English/Communications

6-8 Units

English: 100 or 101, 102

### Fine Arts

3 units

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

English: 261

History: 203

Humanities: 101

Music: 121, 124, 125, 176

Music Ensemble: 101\*, 131, 135

Theatre: 100, 105\*, 180

\* Course may not meet the fine arts requirement at all universities. Please see an advisor.

### Humanities

3 units

Core Humanities: 201, 202, 212

English: 200, 223

History: 105, 106, 208, 209, 247

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

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

Core Humanities: 201, 202

History: 105, 106

Philosophy: 200, 207, 245

### Mathematics

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

<b>Year One</b>			
<b>Suggested Course Sequence</b>			
<b>First Semester</b>	<b>Units</b>	<b>Second Semester</b>	<b>Units</b>
ENG 100 or 101	3-5	ENG 102	3
HIST 101	3	U.S./Nevada Constitution	3
EPY 150	3	MATH 182 or STAT 152	3-4
MATH 181	4	Science (Group A)	4-6
Fine Arts course	3		
<b>Third &amp; Fourth Semester</b>			
Take courses that meet requirements for the major at intended transfer school.			