

## NATURAL SCIENCE

### Associate of Science

61 credit hours\*

The Associate of Science Degree in Natural Science is intended to provide the graduate with a foundational understanding of the core sciences that will be universally transferable to any four-year institution. This course of study includes instruction in biology, chemistry and mathematics. Students may choose an emphasis in Wildlife and/or Conservation Ecology, which will provide graduates with the skills necessary to pursue entry-level positions in natural resources management or related fields. Students not interested in pursuing further studies or employment in natural resources may instead opt for the Human Biology emphasis, which is designed to transfer to four-year programs in medical or related fields including nursing, pre-medicine, pharmacology, or genetics. Graduates completing the Human Biology emphasis will be qualified for entry-level positions in the healthcare industry. Students working toward this degree will be eligible for a Common core Certificate of Completion.

Upon completion of the degree students will be able to:

- Demonstrate effective written and verbal communication skills.
- Exhibit basic understanding of mathematics and statistics.
- Display foundational knowledge of biology, chemistry and physics.
- Apply their learning to pursue entry-level employment in natural resources management or healthcare related fields.

*\*Additional hours may be required for program requirements for transfer students who are NMGEC complete.*

*Any student who is ineligible for state, national, or industry licensure or certification is ineligible for entry into this program.*

#### Institutional and Related Requirements – 10 hours

ENGL 1110 – Composition I (3)  
FYEX 1110 – First-Year Seminar (3)  
MATH 1216 – Preparatory Algebra (4)

*Note: If institutional/related requirements are waived, additional elective courses will be needed to meet the minimum hours required for the degree.*

#### Program Requirements – 20 hours

BIOL 2110/L – Principles of Biology: Cellular and Molecular Biology/Lab (4)\*  
BIOL 2610/L – Principles of Biology: Biodiversity, Ecology, and Evolution/Lab (4)\*  
CHEM 1215/L– General Chemistry I for STEM Majors/Lab (4)\*  
CHEM 1225/L– General Chemistry II for STEM Majors/Lab (4)\*

#### Choose from the following – 8 hours

BIOL 1133C – Intro to Wildlife/Fisheries Sciences (4)  
BIOL 1215/L – Biology for Environmental Sciences/Lab (4)  
BIOL 2110/L – Principles of Biology: Cellular and Molecular Biology/Lab (4)\*  
BIOL 2210/L – Human Anatomy & Physiology I/Lab (4)\*  
BIOL 2225/L – Human Anatomy & Physiology II/Lab (4)\*  
BIOL 2310/L – Microbiology/Lab (4)\*  
BIOL 2626C – Ecology of the Southwest Upland Lecture & Lab (4)  
BIOL 2630/L – General Botany/Lab (4)

*\*May be used to satisfy NMGEC Science requirement.*

#### New Mexico General Education Curriculum (NMGEC) – 31 hours (as itemized below)

##### Communications – 6 hours

ENGL 1120, 2210; and COMM 1130, 2120, 2150.

##### Mathematics – 4 hours

MATH 1130, 1220, 1230, 1510, 1520.

##### Science – 4 hours

**Choose one** from\* ANTH 1120C; BIOL 1110/L, 1133C, 1215/L, 2110/L, 2210/L, 2310/L, 2610/L; CHEM 1215/L, 1225/L; GEOL 1120/L.

*\*see course description for Math prerequisite*

##### Social and Behavioral Sciences – 3 hours

CJUS 1110, 2140, 2360; ECON 1110, 2110, 2120; GEOG 1130; POLS 1120; PSYC 1110, 2110, 2120, 2130, 2140, 2260; SOCI 1110, 2310.

##### Humanities – 3 hours

**Choose one** from ENGL 1410, 2520, 2610, 2620, 2630, 2640; HIST 1110, 1120, 1150, 1160, 2110; HUMN 1110, 2110; PHIL 2110; SPAN 1110, 1120.

##### Creative and Fine Arts – 3 hours

**Choose one** from ARTH 1110; ENGL 2310; MUSC 1130; THEA 1210.

##### Flexible nine – 9 hours

**Choose three courses** from:

Any course from the NMGEC and/or BUSA 1110