

# NATURAL SCIENCES AND MATHEMATICS, AS

Elective SCRX - Scientific Reasoning Course or Any Math Course

Total Credits

60-61

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Program code: NSMA-AS

Location: Gateway, Tunxis

## Program Description

The Natural Sciences and Mathematics A.S. allows students to explore segments of various disciplines. This survey within the Sciences and Mathematics coursework provides options and alternatives for continuing studies at a four-year institution. The program also prepares qualified students to work at research facilities as laboratory or research assistants.

## Learning Outcomes

Upon successful completion of all requirements, graduates should be able to:

1. Recognize ethical issues and understand the social responsibility involved in scientific decision making
2. Communicate effectively both orally and in writing
3. Demonstrate knowledge of the basic principles of the natural and physical sciences
4. Prepare, conduct, document, and interpret scientific experiments
5. Demonstrate knowledge of the basic principles of algebra, calculus, and/or trigonometry
6. Incorporate an interdisciplinary approach to investigating scientific problems

## Degree Requirements

Code	Title	Credits
<b>General Education Courses</b>		
ENG 1010	Composition	3
MATH 1600	College Algebra	3
ENG 1020	Composition II and Literature	3
CHEM 1210	General Chemistry I	4
Elective SBSX - Social / Behavioral Science Course		3
COMM 1301	Public Speaking	3
CCS 1001	College and Career Success	3
<b>Program Courses</b>		
BIO 1210 or BIO 2111	General Biology I Anatomy and Physiology I	4
BIO 1220 or BIO 2112	General Biology II Anatomy and Physiology II	4
CHEM 1220	General Chemistry II	4
MATH 1610	Precalculus	4
MATH 2600	Calculus I	4
PHIL 1101	Ethics	3
PHYS 1201	General Physics I	4
PHYS 1202	General Physics II	4
Math or Science Elective		7-8
Elective SCKX - Scientific Knowledge Course or Any Math Course		