

GENERAL STUDIES WITH EMPHASIS IN NATURAL SCIENCE - ASSOCIATE IN ARTS

The Associate in Arts Degree program in General Studies with Emphasis in Natural Science outlines a course of study that emphasizes breadth in the physical and life sciences. Students will learn to apply scientific methods to investigate both physical and biological aspects of the environment. Students completing this program will satisfy lower division science and general education requirements for CSU. Students must complete each required area of emphasis course with a grade of 'C' or better to be awarded the degree.

Program Learning Outcomes

- Employ the scientific method in the design, implementation, data collection, and analysis of experiments or observational studies.
- Practice current or industry-standard laboratory techniques and lab safety procedures.
- Explain scientific concepts and processes from levels ranging from biochemical to ecological.

Area of Emphasis Requirements

Course	Title	Units
Select a minimum 10 units of Life Science courses:		10
BIOL 021	General Biology	
BIOL 062	Plants and Human Welfare	
BIOL 063	Ecology	
BIOL 064	Marine Biology	
BIOL 065	Wildlife Biology	
BIOL 080C	Field Biology - Coastal California	
BIOL 080D	Field Biology - Death Valley National Park	
BIOL 080F	Field Biology - Forest and River Ecology	
BIOL 080G	Field Biology - Volcanic Northern California	
ENVIR 010	Environmental Science ¹	
Select a minimum of 8 units of Physical Science courses:		8
ASTRO 010	Introduction to Astronomy	
ASTRO 010L	Introductory Astronomy Lab	
CHEM 015	Fundamentals of Chemistry	
CHEM 030A	Introduction to Chemistry	
ENVIR 010	Environmental Science ¹	
OCEAN 010	Descriptive Oceanography	
PHYS 002A	Algebra/Trigonometry-Based Physics I	

¹ ENVIR 010 can satisfy either Life Science or Physical Science requirement, but can only be used once.

Total Requirements

Course	Title	Units
Area of Emphasis Requirements		18
Electives (AA applicable courses)		3
General Education Requirements ¹		39
Total Units		60

¹ Some GE courses may be double-counted within the major and reduce the total number of units.