

# GENERAL STUDIES WITH EMPHASIS IN NATURAL SCIENCE - ASSOCIATE IN ARTS

|   |           |
|---|-----------|
| General Education Requirements <sup>1</sup> | 39        |
| <b>Total Units</b>                          | <b>60</b> |

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

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     |
|---|--|-----------|
| <b>Select a minimum 10 units of Life Science courses:</b>       |  | <b>10</b> |
| BIOL 021  | General Biology                                      |           |
| BIOL 062  | Plants and Human Welfare                             |           |
| BIOL 063  | Ecology: Connections of Life, Environment and Humans |           |
| BIOL 064  | Marine Biology                                       |           |
| BIOL 065  | Wildlife Biology                                     |           |
| BIOL 080C   | Field Biology - Coastal California                   |           |
| BIOL 080D   | Field Biology - Desert and Dunes                     |           |
| BIOL 080F   | Field Biology - Forest and River Ecology             |           |
| BIOL 080G   | Field Biology - Volcanoes of California              |           |
| ENVIR 010   | Environmental Science <sup>1</sup>                   |           |
| <b>Select a minimum of 8 units of Physical Science courses:</b> |  | <b>8</b>  |
| ASTRO 010   | Introduction to Astronomy                            |           |
| ASTRO 010L  | Introductory Astronomy Lab                           |           |
| CHEM 015  | Fundamentals of Chemistry                            |           |
| CHEM 030A   | Introduction to Chemistry                            |           |
| ENVIR 010   | Environmental Science <sup>1</sup>                   |           |
| OCEAN 010   | Descriptive Oceanography                             |           |
| PHYS 002A   | Algebra/Trigonometry-Based Physics I                 |           |

<sup>1</sup> 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     |