

ASSOCIATE OF ARTS IN LIBERAL ARTS WITH AN AREA OF EMPHASIS IN NATURAL SCIENCE (AA)

This degree provides an opportunity for students who are not intending to transfer to a four-year university to earn an Associate of Arts Degree with an area of emphasis in Natural Sciences. This degree is designed to provide an introductory foundation in the natural sciences and to prepare students for life in the global community by developing a core of knowledge, skills, and attitudes essential for personal and professional success. The curriculum emphasizes experimental methodology, testing hypotheses, and the power of systematic questioning. Students will develop a comprehension of the basic concepts of physical and biological sciences, and a sophisticated understanding of science as a human endeavor, including the limitations as well as the power of scientific inquiry.

Program Outcomes

- Apply the principles of the scientific method to problem solving and planning.
- Describe the impact of humanity to the current state of the biosphere.
- Demonstrate the use of mathematics in predicting physical phenomena.

Career Opportunities

Teacher's Aide, Lab Assistant, Engineering Technician, and Environmental Health Aid.

Code	Title	Units
GENERAL EDUCATION AND SUBJECT REQUIREMENTS		25
College of the Sequoias' Associate Degree General Education (COS-GE)*		
+		
REQUIRED MAJOR COURSES		18
Complete a minimum of 18 units with a "C" grade or better from the following courses. Courses used to fulfill the general education requirements listed above may be counted as part of this 18-unit minimum.		
AG 002	Environmental Conservation *	3
AG 003	Economic Entomology *	3
AG 004	Soil Science	3
ANTH 011	Biological Anthropology *	3
ASTR 010	Introduction to Astronomy *	3
BIOL 001	Principles of Biology 1 *	5
BIOL 002	Principles of Biology 2 *	5
BIOL 020	Frontiers in Biology *	4
BIOL 021	Plant Biology *	3
BIOL 022	Animal Biology *	3
BIOL 025	Human Ecology *	3
BIOL 030	Human Anatomy *	4
BIOL 031	Human Physiology *	4
BIOL 040	General Microbiology *	4

CHEM 001	General Chemistry 1 *	5
CHEM 020	Introduction to General Chemistry *	4
GEOG 001	Physical Geography *	3
GEOL 001	Physical Geology *	4
GEOL 012	Environmental Geology *	3
GEOL 005	Earth History *	4
MET 001	Elementary Meteorology *	3
NUTR 018	Nutrition *	3
PHYS 020	General Physics 1 *	5
PLSI 001	Intro to Plant Science *	3
PSCI 020	Physical Science *	4
+		
ELECTIVES		20
Select additional degree applicable courses numbered 1-299 to achieve 60 units		
=		
TOTAL		60

* Courses meet General Education requirements and 3 units may double count above in COS-GE.

The Associate of Arts in Liberal Arts with an Area of Emphasis requirements include completion of the 60 unit program defined above with at least 12 units taken in residence at College of the Sequoias with a "C" (2.0) average (see Associate Degree Requirements (<https://catalog.cos.edu/associate-degree-requirements/>) for additional details).