

# ENVIRONMENTAL SCIENCE, ASSOCIATE IN SCIENCE

requirements including Information Competency, and General Education requirements.

Environmental Science is an interdisciplinary study that examines the role of humans on the Earth and provides students with an understanding of the application of biological, chemical, and physical sciences to environmental systems. The coursework examines the interrelated nature of environmental and social systems.

The Associate of Science in Environmental Science prepares students for transfer to a 4-year university or technical program for further study to prepare for a wide variety of careers.

Upon successful completion of the program, students will be able to:

- Critically evaluate the economic, social, and ecological perspectives of the major environmental issues.
- Identify and describe the essential physical, chemical, and biological components of the earth's natural systems, and explain how they interact and function.
- Analyze and prioritize solutions to environmental issues based on sustainability, social justice, and ecological health.
- Apply scientific literacy, technological tools, and quantitative reasoning to communicate environmental concepts to diverse audiences.

## Associate in Science Degree Major Requirements

Code	Title	Units
Required Core		
BIOL 21	Concepts in Biology I: Cells, Genetics, and Organisms	5
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution	5
BIOL 31	Introduction to Environmental Science	3
BIOL 32	Environmental Science Laboratory	1
CHEM 1A	General Chemistry I	5
Select one course from the following:		3-5
CHEM 1B	General Chemistry II	
ECON 4	Principles of Economics: Micro	
GEOL 2 & 2L	Physical Geology and Physical Geology Laboratory	
STAT C1000	Introduction to Statistics	
MATH 18	Calculus and Analytic Geometry for Biology/Soc Sci/Business	
MATH 20A	Calculus with Analytic Geometry I	
<b>Total Major Units</b>		<b>22-24</b>
<b>Additional Requirements</b>		<b>36-38</b>
Complete Competency Requirements, general education pattern (MPC General Education or Cal-GETC), and electives, if needed, for a total of 60 degree-applicable units.		
<b>Total Units</b>		<b>60</b>

Please refer to the program requirements section of the Catalog for information about associate degree requirements and certificate