

# ENVIRONMENTAL SCIENCE, ASSOCIATE IN SCIENCE

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.

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 & GEOL 2L	Physical Geology and Physical Geology Laboratory	
MATH 16	Elementary Statistics	
MATH 18	Calculus and Analytic Geometry for Biology/Social Science/Bu	
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, CSU General Education, or IGETC), and electives, if needed, for a total of 60 degree-applicable units.		
<b>Total Units</b>		<b>60</b>

Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.