

ENVIRONMENTAL SCIENCE: AS-T DEGREE

The Associate in Science Degree in Environmental Science is an interdisciplinary program that includes courses in geology, chemistry, math, physics, biology and economics. Students develop a critical understanding of how the natural world works, how humans interact and impact the environment, and how to develop sustainable solutions to environmental challenges.

To fulfill the requirements for this degree, students will complete the required and elective courses in the area of emphasis and the appropriate general education pattern (either CSU GE or IGETC) totaling 60 semester CSU-transferable units.

Additional NVC graduation requirements do not apply to this degree. Students must successfully pass all courses in the area of emphasis with a minimum of "C" and maintain an overall minimum 2.0 GPA. Additionally, students pursuing this degree option must work with a counselor and faculty advisor to ensure appropriate elective course selections for their intended area of emphasis for the baccalaureate degree.

Program Learning Outcomes

1. Apply the principles of physical sciences, natural sciences, and technology with research to address current environmental issues through the process of Scientific Method.
2. Analyze the interactivity between physical, natural, and social systems and the impact on environmental policies, sustainable development, environmental justice, and racial justice.
3. Demonstrate proficiency in research, analytical, and communication skills necessary to present critical analysis of the human-environment relationship and responses to environmental challenges.

Degree Requirements

Code	Title	Units
Required Core Courses		
BIOL-120	General Biology	4
CHEM-120	General Chemistry 1	5
CHEM-121	General Chemistry 2	5
Required Electives: List A		
Complete 5 courses from the following:		15
ENVS-115	Introduction to Environmental Science	
GEOL-110	Physical Geology	
GEOL-111	Physical Geology Laboratory	
MATH-232	Statistics	
MATH-120	Calculus I	
	or MATH-115 Applied Calculus	
Required Electives: List B		
Complete ECON 101 and one sequence of PHYS courses for a total of 3 courses from the following:		11
ECON-101	Principles of Microeconomics	
PHYS-140 & PHYS-240	Physics for Scientists & Engineers 1 and Physics for Scientists & Engineers 2	
OR		

PHYS-120 & PHYS-121	General Physics 1 and General Physics 2
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Total Units **40**

To receive an Associate Degree for Transfer, students must complete 60 CSU transferable semester units with a grade point average of at least 2.0, and either the California State University General Education (CSU-GE) (<https://catalog.napavalley.edu/getting-your-degree/general-education/#csugeneraleducationtext>) or the Intersegmental General Education Transfer Curriculum (IGETC) (<https://catalog.napavalley.edu/getting-your-degree/general-education/#igetcgeneraleducationtext>) pattern. Consultation with a Counselor is highly encouraged to ensure all requirements are met.