

AS Environmental Science

The Environmental Science AS degree provides a strong and broad scientific foundation to prepare students for transfer into bachelor's degree programs in Environmental Science or Environmental Studies. This AS degree is more flexible and fewer units than the Environmental Science AS-T, and is tailored in part to our local CSU transfer partners. Students should work closely with an academic counselor (starting in their first semester) to ensure they are choosing the appropriate courses for their chosen transfer schools.

Career Opportunities

Students with a bachelor's degree in Environmental Science find employment in a wide variety of fields in both the public and private sector, including (but not limited to) environmental consulting, environmental education, urban and regional planning, recycling and waste management, hydrology, pollution control, natural resource management, park management, oceanography, meteorology, ecology, etc. The job growth in environmental fields is consistently greater than the national average.

Program Learning Outcomes

Students completing this program will be able to:

1. Use the Scientific Method and appreciate its role in the development of scientific thought.
2. Critically evaluate scientific information and examine its significance and impact on society and the environment.
3. Demonstrate an understanding of the interdisciplinary nature of environmental issues.
4. Document and communicate their work effectively

AS Degree Requirements

Major: Core and Selective Requirements

Complete Core Courses, 21 units		Units
ENVS 115	Environmental Science	3 units
ENVS 101	Environmental Science Laboratory	1 unit
CHEM 210	General Chemistry I	5 units
BIOL 225	Biology Of Organisms	5 units
MATH 200	Elementary Probability and Statistics	4 units
GEOL 100	Introduction to Geology	3 units
OR		
GEOG 100	Physical Geography	3 units

Selective Courses, choose a minimum of 15 units from the following:

List A, complete at least 9 units from the following:

		Units
BIOL 230	Cell and Molecular Biology	5 units
CHEM 220	General Chemistry II	5 units
ENVS 120	Global Climate Change	3 units
ENVS 695	Independent Study	0.5 - 3 units
GEOG 100 *	Physical Geography	3 units
GEOG 101	Physical Geography Lab	1 unit
GEOL 100 *	Introduction to Geology	3 units
GEOL 101	Geology Laboratory	1 unit
PHYS 210	General Physics I	4 units
PHYS 220	General Physics II	4 units
MATH 251	Analytical Geometry and Calculus I	5 units

List B, complete at least 6 units from the following:

		Units
Any course(s) from List A not already used		
ECON 100	Principles of Macro Economics	3 units
ECON 102	Principles of Micro Economics	3 units
GEOG 110	Cultural Geography	3 units
GEOG 150	World Regional Geography	3 units
PHIL 240	Introduction to Ethics	3 units

And required General Education coursework and electives as needed to meet the minimum 60 units required for the Associate degree.

