

PROGRAM OF STUDY

Associate in Science in Environmental Science AS-T for Transfer

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 problems in the environment. Environmental Science also examines how human behavior and institutions affect the global environment. Topics typically include population biology, ecosystems, biodiversity, biochemistry, the chemistry of air and water pollution as well as geological processes and hazards and natural resources.

Students gain knowledge of fundamental concepts in the life sciences, physical sciences, and interdisciplinary natural sciences that inform society about the environment in which we live. The Associate in Science in Environmental Science for Transfer (A.S.-T 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. Environmental scientists typically use their knowledge and skills to protect the environment and human health. They may clean up polluted areas, advise policymakers, or work with government and industry to reduce waste and improve conditions. Other career possibilities are academia, environmental law, environmental consulting, and resource management.

The Associate in Science in Environmental Science for Transfer (A.S.-T in Environmental Science) is designed to prepare students for a seamless transfer into the CSU system to complete a baccalaureate degree in Environmental Science or a similar major. Students completing these degrees are guaranteed admission to the CSU system, but not to a particular campus or major.

See Associate Degree for Transfer information in the Cabrillo College *Catalog*. The following is required for all AA-T or AS-T degrees:

- Completion of 60 semester or 90 quarter CSU-transferable units.
- Minimum grade-point average (GPA) of at least 2.0 in all CSU-transferable coursework. While a minimum of 2.0 is required for admission, some majors may require a higher GPA.
- Completion of a minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district.
- Earn a grade of C or better in all courses required for the major or area of emphasis, or a "P" if the course is taken on a "pass/no pass basis"
- Completion of the California State University-General Education-Breadth pattern (CSU GE-Breadth); OR the Intersegmental General Education Transfer Curriculum (IGETC) pattern.

IGETC for STEM for CSU

General Education Requirements

GE Units

31 - 33

Core Courses

BIO 9A	Molecular, Cellular, and Animal Biology	5
BIO 9B	Ecology, Evolution, and Plant Biology	5
CHEM 1A	General Chemistry I	5

List A - Take 7 units from below:

ES 10	Introduction to Environmental Science	3
	and	
GEOL 10	Physical Geology	4
	or	
GEOG 1	Physical Geography	3
	and	
GEOG 1L	Physical Geography Laboratory	1

and take a Statistics course plus Calculus:

BUS 9	Business Statistics	3
	or	
MATH 12	Elementary Statistics	5
	or	
MATH 12H	Honors Elementary Statistics	5
	or	
PSYCH 2A	Statistics for Behavioral Sciences	3

	and		
MATH 5A	Analytic Geometry and Calculus I		5
	or		
MATH 18	Business Calculus		4
List B: Take the two PHYS courses. ECON is optional			Units
PHYS 2A	Physics for Life Sciences I		4
	and		
PHYS 2B	Physics for Life Sciences II		4
ECON 1B	Introduction to Microeconomics		3
Total Units			60