

ENVIRONMENTAL SCIENCE, AS-T

Program Description

The Associate in Science in Environmental Science for Transfer Degree is intended for students who plan to transfer and complete a bachelor's degree in Environmental Science at a CSU campus. Students completing this program are guaranteed admission to the CSU system but not necessarily to a particular campus or major of choice. Students should consult with a counselor for more information on admission to specific universities and their transfer requirements as individual schools may require different or additional coursework to that listed for the Associate in Science in Environmental Science for Transfer Degree.

Learn more about the program on the [Biology website](#).

Program Learning Outcomes

- Students will be able to demonstrate a general understanding of the breadth and interdisciplinary nature of environmental issues.
- Students will be able to demonstrate an understanding of the core concepts and methods from ecological and physical sciences in their application in solving environmental problems.

Units Required

- Major: 57-65

Associate Degree Requirements

Associate in Science in Environmental Science for Transfer requires completion of a minimum of 90 units to include:

- CSU General Education Breadth Requirements **or** the Intersegmental General Education Transfer Curriculum (IGETC)¹ (49-58 units) (full certification is required). For this Associate Degree for Transfer, students have the additional option of completing CSU GE Breadth for STEM Majors or IGETC for STEM Majors (41-44 units)
- Core and support courses (57-65 units, of which 20 units may satisfy the GE requirement)
- Transferable electives necessary to meet the 90-unit minimum requirement

¹ **Important Note:** Although it is possible to fulfill the requirements for the Associate Degree for Transfer by completing the IGETC for UC pattern, admission to CSU requires completion of an Oral Communication course (IGETC Area 1C; CSU GE Area A-1); therefore, students who plan to transfer to CSU should complete this course as part of their GE or elective units.

Note: All courses pertaining to the major must be completed with a grade of "C" (or "P") or better. In addition, the student must obtain a minimum GPA of 2.0.

Core and Support Courses

Code	Title	Units
Core Courses		
BIOL 1A	PRINCIPLES OF CELL BIOLOGY	6
CHEM 1A	GENERAL CHEMISTRY	5

CHEM 1B	GENERAL CHEMISTRY	5
CHEM 1C	GENERAL CHEMISTRY & QUALITATIVE ANALYSIS	5

Support Courses

List A

BIOL 9	ENVIRONMENTAL BIOLOGY	4
GEOG 1	PHYSICAL GEOGRAPHY	5
MATH 10	ELEMENTARY STATISTICS	5
or MATH 17	INTEGRATED STATISTICS II	
or PSYC 1	GENERAL PSYCHOLOGY	
or SOC 7	STATISTICS FOR THE BEHAVIORAL SCIENCES	
MATH 1A & MATH 1B	CALCULUS and CALCULUS ¹	5-10
or MATH 12	CALCULUS FOR BUSINESS & ECONOMICS	

List B

ECON 1B	PRINCIPLES OF MICROECONOMICS	5
Select one of the following sequences:		12-15

PHYS 4A & PHYS 4B GENERAL PHYSICS (CALCULUS) and GENERAL PHYSICS (CALCULUS)¹

PHYS 2A & PHYS 2B & PHYS 2C GENERAL PHYSICS and GENERAL PHYSICS and GENERAL PHYSICS²

Total Units 57-65

¹ Both courses must be completed to fulfill the requirement.

² All three courses must be completed to fulfill the requirement.