

# ENVIRONMENTAL SCIENCE, ASSOCIATE IN SCIENCE FOR TRANSFER

Environmental Science integrates topics from biological sciences, physical sciences, geosciences, and public policy to understand the working of the earth's ecosystems and the impact of humans within those systems. Environmental scientists apply scientific knowledge to understand complex environmental problems that impact the quality of life and develop solutions to protect, preserve, and sustain the natural environment.

The Associate in Science in Environmental Science for Transfer degree (AS-T in Environmental Science) prepares students to transfer into the CSU system to complete a bachelor's degree in Environmental Science, Environmental Studies, or a major deemed similar by a CSU campus. The degree program is designed to meet lower-division requirements, and students will be required to complete no more than 60 units after transfer to earn a bachelor's degree. Students should consult with a counselor for more information on specific university admission and transfer requirements. Students must complete the Associate Degree for Transfer requirements to earn the AS-T degree.

Upon successful completion of the program, students will be able to:

- Use the Scientific Method and apply it to the development of scientific thought.
- Critically evaluate scientific information in the media and from scientific sources to assess both its credibility and significance and impact on society and the environment.
- Interpret the interdisciplinary nature of environmental science and the physical, biological, ecological, and social sciences required to effectively address current environmental issues.

Code	Title	Units
<b>Required Core</b>		
Select one option from the following:		15
<i>Option 1</i>		
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms	
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution	
CHEM 1A	General Chemistry I	
<b>Code</b>		
<b>Title</b>		
<b>Units</b>		
<i>Option 2</i>		
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms	
CHEM 1A	General Chemistry I	
CHEM 1B	General Chemistry II	
<b>Code</b>		
<b>Title</b>		
<b>Units</b>		
<b>List A: Complete all of the following:</b>		
BIOL 31	Introduction to Environmental Science	3
GEOL 2	Physical Geology	3
GEOL 2L	Physical Geology Laboratory	1
MATH 16	Elementary Statistics	4

or SOCI 19	Introduction to Statistics for the Social Sciences	
or PSYC 19	Introduction to Statistics for the Social Sciences	
MATH 18	Calculus and Analytic Geometry for Biology/Social Science/Bu	4
or MATH 20A	Calculus with Analytic Geometry I	

**List B**

ECON 4	Principles of Economics: Micro	3
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Select one sequence from the following: 8

PHYS 2A & PHYS 2B	General Physics I and General Physics II	
PHYS 3A & PHYS 3B	Science and Engineering Physics I and Science and Engineering Physics II	

**TOTAL MAJOR UNITS** 41

**Additional Requirements** 19

Complete CSU General Education, IGETC, CSU GE for STEM, or IGETC for STEM pattern and electives, if needed, for a total of 60 transferable units.

**Total Units** 60

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.