Associate Degree for Transfer℠

ENVIRONMENTAL SCIENCE FOR TRANSFER (AS-T)

The AS-T in Environmental Science for Transfer is an inter-disciplinary program that presents the student with a rigorous and broad foundation in the sciences most relevant to environmental issues including biology, chemistry, physics, earth science, statistics and mathematics. The AS-T in Environmental Sciences is specifically designed to prepare students for transfer to California State University, where a baccalaureate degree may be earned in Environmental Science or a closely related field.

The following is required for the AS-T in Environmental Science for Transfer degree:

1. Minimum of 60 semester or 90 quarter CSU-transferable units.
2. Minimum grade point average (GPA) of at least 2.0 in all CSU-transferable coursework.
3. Minimum of 18 semester or 27 quarter units in the major.
4. A grade of "C" or higher or "Pass" in all courses required for the major.
5. Certified completion of the California State University General Education (CSU GE) Breadth pattern **or** the Intersegmental General Education Transfer Curriculum (IGETC) pattern; see Degree Requirements and Transfer Information section for more information. Note: If following IGETC, IGETC-CSU must be followed for admission to a CSU.

Program Learning Outcomes

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

- Ability to utilize knowledge attained from a broad foundation in the sciences to think critically about human impact on the environment and the environmental issues confronting Society.
- Describe the relationship between life forms and their impact on environment and ecosystems.
- Collect, organize, analyze, interpret and present quantitative and qualitative date and incorporate them into the broader context of scientific knowledge.
- Effectively apply current technology and scientific methodologies for problem solving.
- Find, select evaluate and utilize various types of scientific information including primary research articles, mass media sources and Internet information.
- Communicate effectively in written and oral formats.

Career Opportunities

Environmental Scientist
Environmental Technician
Ecologist
Chemical Technician
Water Chemistry Technician
Geologist
Geographer
Water Wastewater Technician
Environmental Health and Safety Technician
Technical Writer
Waste Management Technician

Associate in Science Degree Requirements

Code	Title	Units
Core Curriculum		
Select one of the following options:		14
Option 1:		
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	
BIO-240	Principles of Ecology, Evolution and Organismal Biology	
CHEM-141	General Chemistry I	
Option 2:		
BIO-230	Principles of Cellular, Molecular and Evolutionary Biology	
CHEM-141	General Chemistry I	
CHEM-142	General Chemistry II	
List A		
BIO-112	Contemporary Issues in Environmental Resources	3
Select one of the following:		4
GEOL-110 & GEOL-111	Planet Earth and Planet Earth Laboratory	
GEOG-120 & GEOG-121	Physical Geography: Earth Systems and Physical Geography: Earth Systems Laboratory	
MATH-160	Elementary Statistics	4
MATH-180	Analytic Geometry and Calculus I	4-5
or MATH-178	Calculus for Business, Social and Behavioral Sciences	
List B		
ECON-121	Principles of Microeconomics	3
PHYC-130	Fundamentals of Physics	4
PHYC-131	Fundamentals of Physics	4
Units for the Major		**40-41**
13 Double-Counted Units		
General Education Requirements (IGETC for STEM)		31
Total Units		**60**