ENVIRONMENTAL SCIENCE, ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

Overview

Environmental Science is the study of the relationships between the geological, biological, chemical, and ecological systems in the Earth's natural environment. Students obtaining the Associate in Science for Transfer (AS-T) in Environmental Sciences will learn the necessary concepts, problem solving skills and analytical thought processes to prepare them for transfer into a university-level major in Environmental Sciences, for entry-level positions in the discipline, or for a greater appreciation of how science is used to study the interactions between human activity and the earth's systems.

The major enhances career options in atmospheric and space science, environmental scientists and specialists including health, geographers, geoscientists, health and safety engineers, hydrologists, natural science managers, urban and regional planners and many others.

The AS-T in Environmental Science provides students with the foundational knowledge to make a successful transition into a Baccalaureate Degree in Environmental Science at any of the CSU campuses. The Associate Degree for Transfer (AA-T or AS-T) is a special degree offered at California Community Colleges. Students who earn an AA-T or AS-T degree are guaranteed admission to a campus within the California State University (CSU) system in a similar major, although not necessarily to a specific campus. Students who complete an AA-T or AS-T are given priority consideration when applying to a particular program that is similar to the student's community college major and will be given a special GPA advantage when applying to CSU impacted campuses or majors. Students who are planning to pursue an AA-T or AS-T are strongly advised to meet with a counselor for additional information about this transfer program. Visit the I Can Go to College (https://icangotocollege.com/?sitekey=adegree) site for more information.

Requirements

Associate Degree for Transfer Graduation Requirements

Complete all of the following:

1. All Department Requirements listed below with a "C" or better or "P" in each course.
2. IGETC-CSU for STEM. The IGETC-CSU for STEM option permits students completing the AS-T in Biology to follow the IGETC-CSU (https://catalog.sbcc.edu/transfer-curricula/#igetctext) curriculum, but delay one Arts or Humanities course and one Social or Behavioral Science course until after transfer.
3. A total of 60 CSU transferable semester units.
4. Maintain a minimum cumulative CSU transferable GPA of 2.0.
5. A minimum of 12 units through SBCC.

Code	Title	Units
Department Requirements		
BIOL 103	Cell and Molecular Biology	5
CHEM 155	General Chemistry I	5
CHEM 156	General Chemistry II	5
ECON 101	Microeconomics	3
ENVS 110	Humans And The Biological Environment	3
ERTH 111 & 111L	Dynamic Earth - Physical Geology and Dynamic Earth - Physical Geology Laboratory	4
or ERTH 141 & 141L	Physical Geography and Physical Geography Laboratory	
or GEOG 101 & 101L	Physical Geography and Physical Geography Laboratory	
MATH 117	Elementary Statistics	4
or PSY 150	Statistics for the Behavioral Sciences	
MATH 130	Calculus for Biological Sciences, Social Sciences and Business I	5
or MATH 150	Calculus with Analytic Geometry I	
PHYS 105	General Physics	4
PHYS 106	General Physics	4
Total Units		**42.00**

Students are advised to meet with an academic counselor to discuss the best combination of courses to take for the AS-T and to meet the requirements of the transfer institution to which they are intending to transfer.

Learning Outcomes

1. Explain the breadth and interdisciplinary nature of environmental issues.
2. Describe the core concepts and methods from ecological and physical sciences in their application in solving environmental problems.
3. Describe the socioeconomic and equity-based impacts of environmental problems and solutions.
4. Use the methodologies of the natural and physical sciences to formulate testable hypotheses concerning environmental problems and issues.
5. Analyze information on environmental problems and recommend appropriate solutions, with consideration for technical, political, or economic challenges.
6. Apply core concepts or methods from natural and physical sciences to environmental problem solving.

Recommended Sequence

Make an appointment with your SBCC academic counselor through Starfish to create a Student Education Plan that reflects a recommended course sequence for this program that is tailored to your individual needs.

How to schedule an Academic Counseling appointment (https://www.sbcc.edu/counselingcenter/counselingappointments.php).