

The Associate Degree for transfer in Environmental Science is designed to provide a clear pathway to a CSU major and baccalaureate degree. California Community College students who are awarded an AA-T or AS-T degree are guaranteed admission with junior standing somewhere in the CSU system and given priority admission consideration to their local CSU campus or to a program that is deemed similar to their community college major. This priority does not guarantee admission to specific majors or campuses. Students who have been awarded an AA-T or AS-T are able to complete their remaining requirements for the 120-unit baccalaureate degree within 60 semester or 90 quarter units. To view the most current list of Riverside City College Associate Degrees for Transfer and to find out which CSU campuses accept each degree, please go to: www.calstate.edu/transfer/adt-search/search.shtml. Students are encouraged to meet with a Riverside City College counselor to review their options for transfer and to develop an educational plan that best meets their goals and needs.

**2020-2021
ENVIRONMENTAL SCIENCE (IGETC) AS893**

Associate in Science in Environmental Science for Transfer Degree

The Associate in Science in Environmental Science for Transfer Degree (AS-T in Environmental Science) introduces the concepts and principles upon which environmental knowledge is based including the biological, chemical, and physical concepts underlying scientific theory and application to environmental issues. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation to apply to environmental concerns affecting our everyday lives. The AS-T in Environmental Science provides students with a core curriculum to develop key skills for applying biological, physical, and chemical principles to the study of the environment and developing solutions to environmental problems.

PROGRAM LEARNING OUTCOMES

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

- Describe the impact of humankind on the environment from scientific, sociological, political, and economic viewpoints both locally and globally.
- Apply concepts and implement skills learned in the sciences, mathematics, and humanities to real-world environmental issues.
- Demonstrate an ability to examine scientific evidence demonstrating how human activities affect many ecosystems and recommend alternatives to present practices

<u>Required Courses (40-41 Units)</u>	<u>Units</u>
BIO 60* Introduction to Molecular and Cellular Biology	5
CHE 1A* /1AH General Chemistry I/Honors	5
BIO 61* Introduction to Organismal and Population Biology	5
OR	
CHE 1B/1BH General Chemistry II/Honors	5
Electives List A	14-15
Electives List B	11

List A (14-15 units)

BIO 19* Environmental Science	3
GEG 1/1h and 1L Physical Geography/Honors with Lab	4
OR	
GEO 1/1L Physical Geology with Lab	4
MAT 12/12H or Statistics/Honors	4
PSY/SOC 48 Statistics for the Behavioral Sciences	3
AND	
MAT 1A Calculus	4

List B (11 units)

ECO 8/8H* Principles of Microeconomics/Honors	3
AND	
PHY 2A + 2B OR General Physics I and II OR	8
PHY 4A + 4B Mechanics AND electricity & Magnetism	8

*Courses may also be used to fulfill general education requirements for the IGETC for STEM pattern, please confer with a counselor.

Associate in Science for Transfer Degree

The Associate in Science in Environmental Science for Transfer degree will be awarded upon completion of 60 Intersegmental General Education Transfer Curriculum (IGETC) for STEM requirements and with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of "C" or better.