

# ENVIRONMENTAL SCIENCES

ASSOCIATE DEGREE &amp; CERTIFICATE PROGRAMS

2021-2022 CATALOG

## DESCRIPTION

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.

## ASSOCIATE DEGREE FOR TRANSFER PROGRAMS

Students who complete an [Associate Degree for Transfer \(ADT\)](#) and transfer to a similar major at a CSU are guaranteed a pathway to finish their baccalaureate degrees in 60 semester or 90 quarter units. These degrees require students to meet both of the following requirements: (1) Completion of 60 semester units or 90 quarter units that are eligible for transfer to the California State University, including both of the following: (A) The Intersegmental GE Transfer Curriculum (IGETC) or the California State University GE-Breadth Requirements (CSU GE-Breadth). (B) A minimum of 18 semester units or 27 quarter units in a major or area of emphasis, as determined by the community college district. (2) Obtainment of a minimum grade point average of 2.0.

## DEGREES, CERTIFICATES & AWARDS

- Associate in Science for Transfer (A.S.-T.)

## CAREER OPPORTUNITIES

- Air Pollution Analyst
- Climatologist
- Environmental Compliance Officer
- Environmental Health Specialist
- Environmental Policy Analyst
- Environmental Protection Specialist
- Resource Conservation Coordinator
- Sustainability Specialist
- Waste Management
- Water Resources Coordinator
- Wetland Protection/Remediation Scientist

## CONTACT

Division Chair: Bret Clark  
Division Assistant: Cathie Babb  
Office: Bldg 2300, Rm 2300  
Phone: (805) 546-3230  
Fax: (805) 546-3232

**ASSOCIATE DEGREE FOR TRANSFER PROGRAM****Environmental Sciences** — Associate in Science for Transfer**Required Core: 3 Courses (15 units)****Option 1:**

BIO 201A . . . . . Biology . . . . .	5
and BIO 201B . . . . . Biology . . . . .	5
and CHEM 201A . . . . . General College Chemistry I . . . . .	5

**Option 2:**

BIO 201A . . . . . Biology . . . . .	5
and CHEM 201A . . . . . General College Chemistry I . . . . .	5
and CHEM 201B . . . . . General College Chemistry II . . . . .	5

**List A: 3 Courses (14 units)**

ENVS 200 . . . . . Introduction To Environmental Science . . . . .	3
GEOL 210 . . . . . Physical Geology . . . . .	4
MATH 247 . . . . . Introduction To Statistics . . . . .	4
MATH 255 . . . . . Calculus For Business And Management . . . . .	3

(Math 265A-Calc I may be substituted for Math 255)

**List B: 3 Courses (11-13 units)**

ECON 201A . . . . . Principles Of Macroeconomics . . . . .	3
PHYS 208A . . . . . Principles Of Physics 1 . . . . .	5
and PHYS 208B . . . . . Principles Of Physics 2 . . . . .	5
or PHYS 205A . . . . . General Physics . . . . .	(4)
and PHYS 205B . . . . . General Physics . . . . .	(4)

**Total Credits: . . . . . 40 - 42**

"P" (Pass) grade is acceptable for major coursework in the Associate Degrees for Transfer.

In addition to major preparation course work listed above, completion of the CSU GE or IGETC pattern is mandatory.

Courses completed for the major can also be double counted towards GE, where appropriate. See a counselor for details.

[Click Here For Program Student Learning Outcomes](#)

**TRANSFER PREPARATION**

Courses that fulfill major requirements for an associate degree may differ from those needed to prepare to transfer. Students who plan to transfer to a four-year college or university should schedule an appointment with a Cuesta College counselor to develop a student education plan (SEP) before beginning their program.

**TRANSFER RESOURCES:**

CSU and UC Articulation Agreements and Majors Search Engine:

[www.ASSIST.org](http://www.ASSIST.org)

CSU System Information:

[www2.calstate.edu](http://www2.calstate.edu)

**FINANCIAL AID**

Paying for the cost of a college education requires a partnership among parents, students and the college. As the cost of higher education continues to rise we want you to know that Cuesta College offers a full array of financial aid programs—grants, work study, scholarships, federal loan programs, and fee waivers. These programs are available to both full-and part-time students who are seeking a degree or certificate. For those who qualify, financial aid is available to help with tuition, fees, books and supplies, food, housing, transportation, and childcare. Please log onto our website for additional information:

[www.cuesta.edu/student/student-services/finaid](http://www.cuesta.edu/student/student-services/finaid)



Highway 1  
San Luis Obispo, California 93403