

BIOLOGY

ASSOCIATE DEGREE & CERTIFICATE PROGRAMS

2023-2024 CATALOG

DESCRIPTION

Biology entails the study of the diversity and evolution of life and life processes using the scientific method. The Cuesta College biological sciences program is designed to provide students with an appreciation of the nature, scope and relationships of life forms, as well as an understanding of how biology is applied to medicine, the environment, engineering, and daily life. The program consists of a sequence of courses that prepares students for transfer, field studies, and a variety of career opportunities.

ASSOCIATE DEGREE 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

- Biochemists and Biophysicists
- Bioinformatics Scientists
- Biological Science Teachers
- Biological Technicians
- Biostatisticians
- Clinical Data Managers
- Clinical Research Coordinators
- Database Architects
- Epidemiologists
- Exercise Physiologists
- Geneticists
- Health Specialties Teachers
- Information Research Scientists
- Life Scientists, All Other
- Medical Scientists
- Microbiologists
- Molecular and Cellular Biologists
- Natural Sciences Managers
- Software Developers, Applications
- Statisticians
- Water Resource Specialists
- Zoologists and Wildlife Biologists

CONTACT

Division Chair: Elizabeth Lobo
Office: Bldg 2300, Rm 2300
Phone: (805) 546-3230

ASSOCIATE DEGREE FOR TRANSFER PROGRAM

Biology — Associate in Science for Transfer

The Associate in Science in Biology for Transfer degree will prepare students to transfer into a curriculum at a CSU to pursue a baccalaureate degree in biology.

Biology is the study of living organisms, their structure, life processes, and their interactions with each other and their environment. A major in the biological sciences is recommended for students interested in pursuing further study in biology, botany, zoology, ecology/environmental sciences, microbiology, agriculture, forestry, molecular biology, cell biology, genetics or marine biology. This program also provides an excellent foundation for studies in pre-medicine, pre-dentistry and pre-veterinary medicine and may qualify students for positions as biology laboratory technicians. The sequence of courses may be taken on a full-time or a part-time basis. Some classes are offered both day and evening.

Required Core: 2 courses (10 credits)

BIO 201A Biology	5
BIO 201B Biology	5

List A: 5 courses (23-25 credits)

CHEM 201A . . . General College Chemistry I	5
CHEM 201B . . . General College Chemistry II	5
MATH 265A . . . Calculus I	5
PHYS 205A . . . General Physics	4
and	
PHYS 205B . . . General Physics	4
or PHYS 208A Principles Of Physics 1(5)	
and	
PHYS 208B . . . Principles Of Physics 2(5)	

List B: 1 course (3-4 credits)

MATH 236 . . . Introduction To Applied Statistics	3
or MATH 247 . Introduction To Statistics(4)	

Total Credits: 36-39

"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
 CSU System Information:
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/studentservices/finaid



Highway 1
 San Luis Obispo, California 93403