

CERRITOS COLLEGE BIOLOGY (AS-T)

ASSOCIATE IN SCIENCE DEGREE IN BIOLOGY FOR TRANSFER

Upon completion of the Associate in Science in Biology for Transfer degree, students will have gained an understanding of the fundamental principles of biology and of the scientific process, and will be able to demonstrate the analytical, critical thinking, and communication skills needed for continuing academic achievement and professional success. This Associate in Science in Biology is for seamless transfer to a CSU.

BIOL	200	Principles of Biology	5
BIOL	201	Principles of Biology	5
CHEM	111	General Chemistry	5
CHEM	112	General Chemistry	5
MATH	116	Calculus for Managerial, Biological, and Social Sciences	4
	<i>or</i> MATH170	Analytic Geometry and Calculus I	(4)
PHYS	101	General Physics	4
PHYS	102	General Physics	4
TOTAL UNITS FOR THE MAJOR:			32

ASSOCIATE DEGREE FOR TRANSFER COMPLETION REQUIREMENTS:

Complete the following: (1) 60 semester or 90 quarter CSU-transferable units (2) The IGETC for STEM OR the CSU-GE Breadth for STEM requirements. See catalog listing for a complete explanation of IGETC for STEM and CSU-GE Breadth for STEM requirements. (3) A minimum of 18 semester or 27 quarter units in the major or area of emphasis as determined by the community college district (4) Obtainment of a minimum grade point average (GPA) of 2.0 (5) Earn a grade of “C” or better in all courses required for the major or area of emphasis.

CAREER OPPORTUNITIES:

After transfer to a four-year college or university and completion of the bachelor’s degree program, graduates qualify for graduate study and for professional careers in government, education, and private industry, including environmental consulting, biotechnology, biomedical technology, wildlife conservation, environmental management and conservation, research, healthcare and medicine, law and regulation, environmental and health policy, forensic science, and teaching.

FOR IGETC FOR STEM CERTIFICATION:

Complete the following courses before transfer:

- All courses in Area 1 (except 1C for UC-bound students), 2, and 5 of the traditional IGETC; and
- One course in Area 3A; one course in Area 3B; and two courses in Area 4 from two different disciplines.

Complete the following courses after transfer:

- One remaining lower-division general education course in Area 3, *
- One remaining lower-division general education course in Area 4, * and
- One course in Area 6 for UC-bound students who have not satisfied it through proficiency. *

*These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer.

FOR GE BREADTH FOR STEM CERTIFICATION:

Complete the following courses before transfer:

- All courses in Areas A, B, and E of the traditional GE Breadth curriculum; and
- One course in Area C1 Arts and one course in Area C2 Humanities; and
- Two courses in Area D from two different disciplines

Complete the following courses after transfer:

- One remaining lower-division general education course in Area C*, and
- One remaining lower-division general education course in Area D.*

*These deferred lower division courses must be replaced with calculus and/or science courses required by the major before transfer.