

BIOLOGY (AS-T)

ASSOCIATE IN SCIENCE FOR TRANSFER (AS-T)

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.

Program Student Learning Outcomes

- Students apply scientific methodology and reasoning through experimentation, proper lab technique, observation, and review of scientific literature.
- Students describe the characteristics of major taxa, and compare and contrast their anatomical, physiological, and life-history characteristics.
- Students describe the mechanisms of evolution, evolution's relationship to the diversity of life and organization of taxa.
- Students evaluate ecological relationships at the population, community, and ecosystem level.
- Students identify and describe cell structures and processes including the flow of genetic information, genetic expression, and both classical and molecular genetics and inheritance.

Program Requirements

Code Number	Course Title	Units
Required Courses		
BIOL 200	Principles of Biology	5.0
BIOL 201	Principles of Biology	5.0
CHEM 111	General Chemistry	5.0
CHEM 112	General Chemistry	5.0
MATH 116	Calculus for Managerial, Biological and Social Sciences	4.0
or MATH 170	Analytic Geometry and Calculus I	
PHYS 101	General Physics	4.0
PHYS 102	General Physics	4.0
Total Units		32

ASSOCIATE IN SCIENCE FOR TRANSFER DEGREE REQUIREMENTS

1. Completion of 60 semester units or 90 quarter units of degree-applicable courses,
2. Minimum overall grade point average of 2.0,
3. Minimum grade of "C" (or "P") for each course in the major, and
4. Completion of IGETC and/or CSU GE-Breadth.