



ASSOCIATE IN SCIENCE IN BIOLOGY FOR TRANSFER DEGREE (M)

2017-2018

(CSUGE) MAS767 (IGETC) MAS768

The Associate in Science in Biology for Transfer Degree introduces the concepts and principles upon which biologic knowledge is based including the biochemistry, structure and function, ecology and evolution of organisms, from the levels of cells through the biosphere. Students will develop skills for critical/analytical thinking, perceptive reading/observation and interpretation. The Associate in Science in Biology for Transfer degree provides students with a core curriculum that will prepare them with the knowledge and skills required to succeed in the study of biology. This degree aligns with the approved Transfer Model Curriculum (TMC) in Biology. The intent of this degree is to assist students in seamlessly transferring to a CSU.

Program Learning Outcomes

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

- Be able to identify and explain fundamental biological concepts and principles on the molecular, cellular, organismal, population, ecological, environmental and evolutionary levels.
- Apply knowledge of biological concepts to formulate questions and hypotheses for research and demonstrate ability to find, read, understand, and critically evaluate scientific papers.
- Develop experimental skills and techniques used in laboratory and field research and use the scientific method to develop hypotheses, design and execute experiments

Required Courses (32 units)	Units
BIO-11*/11H*Introduction to Molecular and Cellular Biology/Honors	5
BIO-12* Introduction to Organismal and Population Biology	5
CHE-1A*/1AH*General Chemistry I/Honors	5
CHE-1B*/1BH*General Chemistry II/Honors	5
MAT-1A* Calculus I	4
PHY-4A* Mechanics A	4
PHY-4B* Electricity and Magnetism	4

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

Associate in Science for Transfer Degree

The Associate in Science in Biology for Transfer degree will be awarded upon completion of 60 semester CSU-transferable units including the above major requirements and the California State University-General Education-Breadth pattern (CSU GE-Breadth) or the Intersegmental General Education Transfer Curriculum (IGETC) pattern with a minimum grade point average of 2.0. All courses in the major must be completed with a grade of “C” or better.