

# BIOLOGICAL SCIENCES, ASSOCIATE IN SCIENCE

The Associate in Science in Biological Sciences is designed for students intending to transfer to a 4-year institution. The curriculum also prepares students to work professionally in areas centered around biology. The curriculum includes a core of courses in the biological and physical sciences and mathematics. This major area is appropriate also for Pre-Dentistry, Pre-Medicine, Pre-Pharmacy, and Pre-Veterinary Medicine. Contact an MPC counselor for major preparation at specific institutions.

## Learning Outcomes

Upon successful completion of the program, students will be able to:

- Apply principles of mathematics and physical sciences to laboratory practices and biological processes.
- Explain concepts and theories of molecular and cellular biology, and genetics.
- Compare the structure and physiological functions of organisms, their ecological relationships, and evolution.
- Use the scientific method to investigate phenomena in the natural world and use concepts, experiments, and/or theory to explain them.

## Associate in Science Degree Major Requirements

Code	Title	Units
<b>Required Core</b>		
BIOL 21	Concepts in Biology I: Cells, Genetics and Organisms	5
BIOL 22	Concepts in Biology II: Diversity, Ecology, and Evolution	5
CHEM 1A	General Chemistry I	5
CHEM 1B	General Chemistry II	5
MATH 20A	Calculus with Analytic Geometry I	4
<b>TOTAL MAJOR UNITS</b>		<b>24</b>
<b>Additional Requirements</b>		<b>36</b>
Complete Competency Requirements, general education pattern (MPC General Education, CSU General Education, or IGETC), and electives, if needed, for a total of 60 degree-applicable units. <sup>1</sup>		
<b>Total Units</b>		<b>60</b>

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Please refer to the graduation requirements section of the Catalog for information about degree and certificate requirements including Reading and Writing, Mathematics, Information Competency, and General Education requirements.