

# BIOLOGICAL SCIENCE

## ASSOCIATE IN SCIENCE DEGREE

Biological Sciences is an exciting and rapidly changing field of study. The study of living things has undergone tremendous expansion in recent years. The Biological Sciences program provides an ideal and flexible path for students to begin their educational journey in this field. The program emphasizes the practical knowledge and skills required for employment and for continuing education in the Biological Sciences.

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“For me, KVCC is close to home, and the price is right. I also love the modern labs, and how much hands-on time I have in my biology class.”

“I chose KVCC because of the small classes, and the flexible scheduling options. The cost was also very reasonable.”



## Study how living things work



### What Biological Science graduates do:

- Collect and process samples
- Perform lab tests
- Collect and analyze data
- Develop and conduct experiments
- Provide technical Assistance
- Maintain lab equipment
- Work in team

### Career Opportunities:

- Biotechnology production facilities
- Quality control and assurance
- Research laboratories
- Government agencies

For further questions about this program, please contact: [kvccadmissions@maineccc.edu](mailto:kvccadmissions@maineccc.edu)

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### First Semester

BIO101	Biology I	4
CHE112	General Chemistry I	4
ENG101	College Composition	3
MAT117	College Algebra	3

### Second Semester

BIO102	Biology II	4
CHE115	General Chemistry II	4
ENG121	Intro to Literature (H)	3
MAT226	Precalculus	4

### Third Semester

BIO219	Microbiology	4
COM104	Introduction to Communications	3
MAT227	Calculus	4
PHY111	Elements of Physics	4

### Fourth Semester

BIO234	Introduction to Molecular Biology	4
BIO239	Research Methods	3
ENG218	Advanced Academic Writing	3
PHI110	Introduction to Contemporary Ethics (H)	3
PSY101	Introduction to Psychology (SS)	3

**Total Credits** **60**

## CRITERIA FOR GRADUATION

Students must complete 60 credits in the Biological Science degree and achieve a minimum grade of “C” in all courses. Students must attain a final GPA of 2.0 or higher. (H,SS) Suggested Electives. Please contact your advisor for more information.

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### DESCRIPTION

The Biological Science AS degree provides students with strong knowledge base in the life sciences additional to the skills relevant to a variety of employment opportunities. Emphasis is placed on the scientific method and critical analysis for students who wish to transfer to a Biology program at a Baccalaureate degree institution. This 60-credit program develops an understanding of biological principles which underlie all living things, instills a sense of inquiry, and sharpens analytical thinking skills.

### PROGRAM MISSION

The mission of the Associate in Science in Biological Sciences is to provide a strong foundation in science, mathematics and laboratory skills, preparing the student for transfer to a four-year Biology or health-related degree program. The program prepares students for an entry-level lab technician or other science-related position.

### EDUCATIONAL OUTCOMES

Upon successful completion of the Biological Science degree, the graduate is expected to:

1. Apply methods of scientific inquiry in biology.
2. Demonstrate appropriate laboratory techniques and mastery of basic laboratory skills.
3. Effectively convey, both orally and in writing, a knowledge of biological content, methods, and issues.
4. Locate, critically analyze, interpret, and discuss primary research literature within the biological sciences.
5. Demonstrate critical thinking, problem solving, data gathering and analysis, and interpretation of results to address practical questions in biology. With an associate degree in Biology you'll have a head start toward a bachelor's degree in biology.

### COLLEGE ADMISSION

General admission guidelines can be found on [page 33](#) in the catalog.