

BIOLOGY - M.A.

College of Arts and Sciences
Department of Biological Sciences
256 Cunningham Hall
Kent Campus
330-672-3613
kentbiology@kent.edu
www.kent.edu/biology

Description

The Master of Arts degree in Biology is for students wishing to gain additional knowledge in any area of the biological sciences and are not looking towards a career in biological research. This non-thesis program complements secondary school science teachers, students looking for additional background or preparation for professional school programs such as in medicine or dentistry, and those seeking employment in life science industries in a non-research capacity.

FULLY OFFERED AT:

- Kent Campus

Admission Requirements

- Bachelor's degree from an accredited college or university for unconditional admission
- Minimum 3.000 undergraduate GPA on a 4.000 point scale for unconditional admission
- Official transcript(s)
- Goal statement
- Three letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
 - Minimum 587 TOEFL PBT score (paper-based version)
 - Minimum 94 TOEFL IBT score (Internet-based version)
 - Minimum 82 MELAB score
 - Minimum 7.0 IELTS score
 - Minimum 65 PTE score

For more information about graduate admissions, please visit the Graduate Studies admission website. For more information on international admission, visit the Office of Global Education's admission website.

Program Learning Outcomes

Graduates of this program will be able to:

1. Understand advanced biological concepts beyond the scope of the typical undergraduate degree and to increase the depth of their knowledge through coursework and hands-on experiences.
2. Apply scientific principles and appreciate work outside of their particular field.
3. Effectively communicate about science with colleagues as well as those outside of the student's area of expertise.

4. Develop the necessary laboratory skills that will allow testing of hypotheses.

Program Requirements

Major Requirements

Code	Title	Credit Hours
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Major Requirements

Courses selected in consultation with academic faculty advisor ¹ 32

Students interested in cell-/molecular-/biomedical-/biotechnology-related areas are encouraged to choose from the following:

BSCI 50158	MOLECULAR BIOLOGY
BSCI 50142	BIOENERGETICS
BSCI 50143 & BSCI 60144	EUKARYOTIC CELL BIOLOGY and SELECTED READINGS IN EUKARYOTIC CELL BIOLOGY
BSCI 50174	IMMUNOLOGY
BSCI 50432	ENDOCRINOLOGY
BSCI 50433	MAMMALIAN PHYSIOLOGY I
BSCI 50434	MAMMALIAN PHYSIOLOGY II

Students interested in ecology are encouraged to choose from the following:

BSCI 50163	EVOLUTION
BSCI 50363	MICROBIAL ECOLOGY
BSCI 50364	LIMNOLOGY
BSCI 50368	WETLAND ECOLOGY AND MANAGEMENT
BSCI 50374	CONSERVATION BIOLOGY
BSCI 50556	VERTEBRATE ZOOLOGY
BSCI 50371	EVOLUTIONARY BIOLOGY

Teachers holding or pursuing K-12 licensure are encouraged to choose from the following:

BSCI 50163	EVOLUTION
BSCI 50196	INDIVIDUAL INVESTIGATION
BSCI 60080	EXPERIMENTAL METHODS IN BIOLOGY

Minimum Total Credit Hours: 32

Graduation Requirements

Teachers holding or pursuing K-12 licensure must complete a minimum of 18 credit hours of biological sciences courses toward the degree. Students holding a bachelor's degree without K-12 licensure must complete a minimum of 23 hours of biological science courses toward the degree.

BSCI 50104 may not be used to fulfill degree requirements. Maximum 4 credit hours may be earned through workshops in the sciences and science education.

The Department of Biological Sciences frequently offers special topics classes in specialized areas of interest, which can count towards the degree when part of the approved program of study. Coursework in other fields within the natural and physical sciences may be used to meet credit hour requirements when part of the approved program of study.