BIOLOGICAL SCIENCES
- ECOLOGY AND EVOLUTIONARY BIOLOGY -
M.S.

College of Arts and Sciences
Department of Biological Sciences
www.kent.edu/biology/graduate

Description
The Master of Science degree in Biological Sciences—Ecology and Evolutionary Biology provides opportunities to study in areas such as animal behavior, entomology, limnology, microbial ecology, ornithology, systems ecology, systematic and evolutionary biology, environmental physiology, vertebrate ecology and population and community ecology. Although courses of study are tailored to students’ interests and needs, the program for all students normally includes training in population, community, ecosystems and evolutionary ecology and statistical theory. Because of the interdisciplinary nature of ecology, students are encouraged to take courses in geology, mathematics, chemistry and other disciplines.

Examples of Possible Careers*

Biological science teachers, postsecondary
- 9.3% much faster than the average
- 64,700 number of jobs
- $85,600 potential earnings

Biological scientists, all other
- 2.2% slower than the average
- 44,700 number of jobs
- $85,290 potential earnings

Environmental science teachers, postsecondary
- 3.7% about as fast as the average
- 7,600 number of jobs
- $84,740 potential earnings

Natural sciences managers
- 4.8% about as fast as the average
- 71,400 number of jobs
- $137,940 potential earnings

Contact Information
- Program Coordinator: Heather Caldwell | bscigrad@kent.edu | 330-672-3636
- Chat with an Admissions Counselor

Fully Offered
- Delivery: In person
- Location: Kent Campus

Admission Terms
- Fall

*Note
Source of occupation titles and labor data is from the U.S. Bureau of Labor Statistics’ Occupational Outlook Handbook. Data comprises projected percent change in employment over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.
## Program Requirements

### Major Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BSCI 60104</td>
<td>BIOLOGICAL STATISTICS</td>
<td>4</td>
</tr>
<tr>
<td>BSCI 60184</td>
<td>RESPONSIBLE CONDUCT IN RESEARCH AND TEACHING-BIOLOGICAL SCIENCES</td>
<td>2</td>
</tr>
<tr>
<td>BSCI 60191</td>
<td>SEMINAR IN BIOLOGY (repeated each semester)</td>
<td>4-6</td>
</tr>
</tbody>
</table>

**Additional Electives**: 8-10

**Student Seminar Presentation**: 2

**Major Electives**, choose from the following: 6

- BSCI 60370 ECOLOGICAL AND EVOLUTIONARY GENETICS
- BSCI 60371 EVOLUTIONARY BIOLOGY
- BSCI 60372 COMMUNITIES AND ECOSYSTEMS
- BSCI 60373 POPULATION AND COMMUNITY ECOLOGY

**Culminating Requirement**: 3

- BSCI 60199 THESIS I

**Minimum Total Credit Hours**: 32

---

1. Students are required to take BSCI 60184 their first semester (or the following fall semester for those starting their studies in the spring semester).

2. Students are required to present at least one departmental seminar about their research.

3. After completing 6 credit hours of BSCI 60199, students must register continually for BSCI 60299 until the degree is earned. Students begin research by successfully preparing, presenting and defending a formal prospectus for their research project to their committee. For the thesis and final defense, it is expected that students will present the results of their study in a defense open to students and faculty. The thesis must be presented and defended before the Guidance Committee with not more than one negative vote in order to be recommended to the Department of Biological Sciences and the College of Arts and Sciences for degree conferral.

### Graduation Requirement

Students must complete a minimum 14 credit hours of graduate courses beyond BSCI 60198 toward their degree.