BIOLOGICAL SCIENCES - INTEGRATIVE PHYSIOLOGY AND NEUROBIOLOGY - M.S.

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 Science degree in Biological Sciences–Integrative Physiology and Neurobiology is the study of a broad range of topics, including endocrinology, neuroscience, immunology, reproductive biology and other regulatory systems. Students have access to resources for physiological research, including a vivarium, tissue culture facility, confocal microscope/visualization facility, laser capture microscope, genomics and proteomics facilities.

Fully Offered At:
• Kent Campus

Admission Requirements
• Bachelor’s degree from an accredited college or university for unconditional admission
• Undergraduate coursework roughly equivalent to a Biology minor
• Minimum 3.000 GPA on a 4.000 point scale for unconditional admission
• Official transcript(s)
• GRE scores (general test)
• Goal statement
• Three letters of recommendation
• A list of up to five potential faculty advisors
• 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

Before admission can be completed, a prospective student must be accepted by a faculty member in the program who will act as adviser. 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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>BSCI 60103</td>
<td>BIOLOGICAL STATISTICS</td>
<td>3</td>
</tr>
<tr>
<td>BSCI 60184</td>
<td>RESPONSIBLE CONDUCT IN RESEARCH AND TEACHING-BIOLOGICAL SCIENCES</td>
<td>2</td>
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<tr>
<td>BSCI 60199</td>
<td>THESIS I</td>
<td>6</td>
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<tr>
<td>BSCI 60491</td>
<td>SEMINAR IN PHYSIOLOGY (repeated each semester)</td>
<td>4-6</td>
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Major Electives
4

Student Seminar Presentation
5

Minimum Total Credit Hours:
32

Graduation Requirement
Students must complete a minimum 14 credit hours of graded (A-F) courses toward their degree.