**BIOMEDICAL SCIENCES - NEUROSCIENCES - M.S.**

**College of Arts and Sciences**  
School of Biomedical Sciences  
Cunningham Hall  
Kent Campus  
330-672-2263  
www.kent.edu/biomedical

**Description**

The Master of Science degree in Biomedical Sciences-Neurosciences is an inter-institutional program. Students complete a common set of core courses that cover fundamental principles in neuroscience, from the cellular/molecular to the systems level. Students also complete elective courses tailored to their chosen subdiscipline. Research projects are completed under the guidance of a neuroscience faculty member at Kent State University, Northeast Ohio Medical University (NEOMED) or the Cleveland Clinic. Areas of research focus in the neurosciences include behavioral neuroscience, sensory neuroscience, developmental neuroscience and neurodegenerative diseases.

**FULLY OFFERED AT:**  
- Kent Campus

**Admission Requirements**

- Bachelor’s degree  
- Official transcript(s)  
- Minimum 3.0 undergraduate GPA  
- Sufficient undergraduate coursework in chemistry, math, biology, psychology and/or neuroscience  
- Academic preparation adequate to complete graduate coursework in neuroscience  
- GRE general test scores  
- Three letters of recommendation  
- Goal statement indicating the applicant’s interests in neuroscience and career aspirations

**English Language Proficiency Requirements for International Students:** All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 600 TOEFL score (100 on the Internet-based version), minimum 85 MELAB score, minimum 7.0 IELTS score or minimum 68 PTE Academic score. For more information on international admission, visit the Office of Global Education's admission website. **Effective spring 2018.**

Applicants for the Ph.D. degree are preferred over the M.S. degree, given applications of roughly equivalent merit. For more information about graduate admissions, please visit the Graduate Studies website.

**Program Learning Outcomes**

Graduates of this program will be able to:

1. Publish their research in peer-reviewed journals.
2. Demonstrate the ability to teach undergraduate students.

**Program Requirements**

**Major Requirements**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMS 60199</td>
<td>THESIS I</td>
<td>6</td>
</tr>
<tr>
<td>BMS 60462</td>
<td>NEUROBIOLOGY: SYSTEMS AND BEHAVIOR</td>
<td>4</td>
</tr>
<tr>
<td>BMS 60729</td>
<td>CELLULAR AND MOLECULAR NEUROSCIENCE</td>
<td>4</td>
</tr>
<tr>
<td>BMS 61000</td>
<td>RESPONSIBLE CONDUCT OF RESEARCH</td>
<td>1</td>
</tr>
<tr>
<td>BMS 61001</td>
<td>INTRODUCTION TO BIOMEDICAL SCIENCES</td>
<td>1</td>
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</tbody>
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Quantitative Methods and Statistics Electives, choose from the following:  
- ANTH 68637  BIOANTHROPOLOGICAL DATA ANALYSIS I  
- ANTH 68638  BIOANTHROPOLOGICAL DATA ANALYSIS II  
- BSCI 60103  BIOLOGICAL STATISTICS  
- PSYC 61651  QUANTITATIVE STATISTICAL ANALYSIS I  
- PSYC 61654  QUANTITATIVE STATISTICAL ANALYSIS II  

Elective and Research Courses Approved by Thesis Committee:  
- 3-5 Credits

Minimum Total Credit Hours: 32

**Graduation Requirements**

Students must complete minimum 32 credit hours for the M.S. degree, which includes minimum 17 credit hours that are letter graded (required and elective courses).