BIOMEDICAL SCIENCES - NEUROSCIENCES - M.S.

College of Arts and Sciences
School of Biomedical Sciences
www.kent.edu/biomedical

Contact Information
• Program Coordinator: Lique Coolen | jcoolen@kent.edu | 330-672-8973
  Eric Mintz | emintz@kent.edu | 330-672-8025
• Chat with an Admissions Counselor

Fully Offered
• Kent Campus

Admission Terms
• Fall

Description
The Master of Science degree in Biomedical Sciences–Neurosciences is an inter-institutional program that allows students to complete research projects under the guidance of a neuroscience faculty member at Kent State University, Cleveland Clinic and Northeast Ohio Medical University (NEOMED). 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. Areas of research focus on the neurosciences include behavioral neuroscience, sensory neuroscience, developmental neuroscience and neurodegenerative diseases.

The Master of Science degree in Biomedical Sciences–Neurosciences is offered in consortium with Cleveland Clinic and Northeast Ohio Medical University.

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
• Sufficient undergraduate coursework in chemistry, math, biology, psychology and/or neuroscience
• Academic preparation adequate to complete graduate coursework in neuroscience
• Official transcript(s)
• GRE general test scores
• Three letters of recommendation
• Goal statement indicating the applicant’s interests in neuroscience and career aspirations
• 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 600 TOEFL PBT score (paper-based version)
  • Minimum 100 TOEFL IBT score (Internet-based version)

Applications 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 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. Publish their research in peer-reviewed journals.
2. Demonstrate the ability to teach undergraduate students.
3. Seek employment after graduation in fields that reflect their area of training.

Program Requirements

Major Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tr>
<td>BMS 60199</td>
<td>THESIS I</td>
<td>6</td>
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<tr>
<td>BMS 60462</td>
<td>NEUROBIOLOGY: SYSTEMS AND BEHAVIOR</td>
<td>4</td>
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<td>BMS 60729</td>
<td>CELLULAR AND MOLECULAR NEUROSCIENCE</td>
<td>4</td>
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<td>BMS 61000</td>
<td>RESPONSIBLE CONDUCT OF RESEARCH</td>
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<td>BMS 61001</td>
<td>INTRODUCTION TO BIOMEDICAL SCIENCES</td>
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<td>ANTH 68637</td>
<td>BIOANTHROPOLOGICAL DATA ANALYSIS I</td>
<td>3-5</td>
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<td>BIOANTHROPOLOGICAL DATA ANALYSIS II</td>
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<td>PSYC 61654</td>
<td>QUANTITATIVE STATISTICAL ANALYSIS II</td>
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Elective and Research Courses Approved by Thesis Committee: 11-13

Minimum Total Credit Hours: 32

Graduation Requirements
Minimum 17 credit hours of overall credit hours must be letter graded (required and elective courses).

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