BIOMEDICAL SCIENCES - NEUROSCIENCES - M.S.

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

About This Program

The Master of Science in Biomedical Sciences - Neurosciences offers a comprehensive curriculum that combines classroom instruction with research opportunities, preparing you for a rewarding career in neuroscience research or academia. With state-of-the-art facilities, experienced faculty and a commitment to excellence, Kent State's program is the perfect launchpad for your career in this exciting field. Read more...

Contact Information

- **John Johnson** | BMS@kent.edu | 330-672-3849

- Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery

- **Delivery:**
    - In person
- **Location:**
    - Kent Campus

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 2.750 undergraduate GPA on a 4.000-point scale
- Strong academic background sufficient to take graduate-level coursework in the curriculum (recommended courses in cell biology, genetics and biopsychology or neuroscience)
- Official transcript(s)
- Résumé or curriculum vitae
- Goal statement indicating the applicant's interests in neuroscience, research experience and career aspirations
- Three letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions to waive) by earning one of the following:[1]
    - Minimum 94 TOEFL iBT score
    - Minimum 7.0 IELTS score
    - Minimum 65 PTE score
    - Minimum 120 DET score

[1] International applicants who do not meet the above test scores will not be considered for admission.

Application Deadlines

- **Fall Semester**
    - Application deadline: December 1

Applications submitted after this deadline will be considered on a space-available basis.

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
ANTH 68637	BIOANTHROPOLOGICAL DATA ANALYSIS I	3-5
or BSCI 60104	BIOLOGICAL STATISTICS	
or PSYC 61651	QUANTITATIVE STATISTICAL ANALYSIS I	
BMS 60462	NEUROBIOLOGY: SYSTEMS AND BEHAVIOR	4
BMS 60729	CELLULAR AND MOLECULAR NEUROSCIENCE	4
BMS 61000	RESPONSIBLE CONDUCT OF RESEARCH	1
BMS 61001	INTRODUCTION TO BIOMEDICAL SCIENCES	1
Electives [1]		11-13
Culminating Requirement		
BMS 60199	THESIS I	6
Minimum Total Credit Hours:		**32**

[1] Elective courses and research must be approved by the student's thesis committee.

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
-	3.000

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

- No more than one-half of a graduate student's coursework may be taken in 50000-level courses.
- Grades below C are not counted toward completion of requirements for the degree.

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 in fields that reflect their area of training.

Full Description

The Master of Science degree in Biomedical Sciences−Neurosciences is offered in consortium with the Cleveland Clinic and Northeast Ohio Medical University (NEOMED). The program allows students to complete research projects under the guidance of a neuroscience faculty member at Kent State University and faculty from the other two institutions.

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.