

BIOMEDICAL SCIENCES - NEUROSCIENCES - M.S.

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

Contact Information

- Director: **John Johnson** | jjohns72@kent.edu | 330-672-3849
- Chat with an Admissions Counselor

Fully Offered

- **Delivery:**
 - In Person
- **Location:**
 - 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 the Cleveland Clinic and Northeast Ohio Medical University.

Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 2.750 undergraduate GPA on a 4.000 point scale
- 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 (*effective for spring 2023 admissions, the GRE will no longer be required*)
- 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)

- Minimum 85 MELAB score
- Minimum 7.0 IELTS score
- Minimum 68 PTE score
- Minimum 120 Duolingo English test score

For more information about graduate admissions, visit the graduate 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 in fields that reflect their area of training

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
ANTH 68637 or BSCI 60104 or PSYC 61651	BIOANTHROPOLOGICAL DATA ANALYSIS I BIOLOGICAL STATISTICS QUANTITATIVE STATISTICAL ANALYSIS I	3-5
BMS 60462	NEUROBIOLOGY: SYSTEMS AND BEHAVIOR	4
BMS 60729	CELLULAR AND MOLECULAR NEUROSCIENCE	4
BMS 61001	INTRODUCTION TO BIOMEDICAL SCIENCES	1
BMS 61000	RESPONSIBLE CONDUCT OF RESEARCH	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 17 credit hours of overall credit hours must be letter graded (required and elective courses).