

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 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 in the neurosciences include behavioral neuroscience, sensory neuroscience, developmental neuroscience and neurodegenerative diseases.

FULLY OFFERED AT:

- Kent Campus

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)
 - Minimum 85 MELAB score
 - Minimum 7.0 IELTS score
 - Minimum 68 PTE score

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 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

Code	Title	Credit Hours
Major Requirements		
BMS 60199	THESIS I	6
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
Quantitative Methods and Statistics Electives, choose from the following:		3-5
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		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).