

BIOMEDICAL SCIENCES - PHARMACOLOGY - 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–Pharmacology provide substantial opportunity to conduct research in molecular targeting, drug design and drug delivery in developing new approaches to treat disease. The multidisciplinary program enrolls a select group of graduate students interested in research-based careers in pharmacology, and provides a balance of classroom and laboratory work involving faculty at Kent State University and Northeast Ohio Medical University (NEOMED). Strong research foci exist in the areas of cardiovascular and metabolic diseases, neurodegenerative and blood brain barrier pharmacology. Interdisciplinary approaches to research and theoretical problems are strongly emphasized.

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
- Official transcript(s)
- GRE general test scores
- Goal statement indicating the applicant's interests in pharmacology and career aspirations
- Academic preparation adequate to complete graduate coursework in general chemistry, organic chemistry, biochemistry, physics and physiology
- Three letters of recommendation
- 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

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 Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
BMS 60199	THESIS I	6
BMS 60440	CELLULAR AND MOLECULAR SIGNALING	3
BMS 60502	MOLECULAR PHARMACOLOGY	4
BMS 60503	PHARMACOLOGY JOURNAL REVIEW	1
BMS 61000	RESPONSIBLE CONDUCT OF RESEARCH	1
BMS 61001	INTRODUCTION TO BIOMEDICAL SCIENCES	1
Quantitative Methods and Statistics Elective, 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	
Research and Elective Coursework as Approved by Thesis Committee		11-13
Minimum Total Credit Hours:		32

Graduation Requirements

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