

# BIOMEDICAL SCIENCES - PHARMACOLOGY - 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 - Pharmacology program provides a comprehensive education in pharmacology and toxicology, preparing you for a wide range of careers in industry, government and academia. With access to cutting-edge research facilities, experienced faculty and real-world opportunities, you will gain the skills and knowledge needed to make an impact 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
- Academic preparation adequate to complete graduate coursework (recommended courses in general chemistry, biochemistry and physiology)
- Official transcript(s)
- Résumé or curriculum vitae
- Goal statement indicating the applicant's interests in pharmacology, their 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:<sup>1</sup>
  - Minimum 94 TOEFL iBT score
  - Minimum 7.0 IELTS score
  - Minimum 65 PTE score
  - Minimum 120 DET score

<sup>1</sup> 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
<b>Major Requirements</b>		
ANTH 68637 or BSCI 60104	BIOANTHROPOLOGICAL DATA ANALYSIS I BIOLOGICAL STATISTICS	4-5
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
Electives <sup>1</sup>		11-12
<i>Culminating Requirement</i>		
BMS 60199	THESIS I	6
<b>Minimum Total Credit Hours:</b>		<b>32</b>

<sup>1</sup> 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 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–Pharmacology provides 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.

The M.S. degree in Biomedical Sciences–Pharmacology is offered in consortium with Cleveland Clinic and Northeast Ohio Medical University.