BIOMEDICAL SCIENCES - PHARMACOLOGY - M.S.

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
• Director: 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 4.00-point scale
• Academic preparation adequate to complete graduate coursework (recommended courses in general chemistry, biochemistry and physiology)
• Official transcript(s)
• Curriculum vitae/résumé
• 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) by earning one of the following:
  • Minimum 600 TOEFL PBT score
  • Minimum 100 TOEFL IBT score
  • Minimum 85 MELAB score
  • Minimum 7.0 IELTS score
  • Minimum 68 PTE score
  • Minimum 120 Duolingo English score

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

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.