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
• Official transcript(s)
• Minimum 3.0 undergraduate/graduate GPA
• GRE general test scores
• Three letters of recommendation
• 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

English Language Proficiency Requirements for International Students: All international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning a minimum 600 TOEFL score (100 on the Internet-based version), minimum 85 MELAB score, minimum 7.0 IELTS score or minimum 68 PTE Academic score. For more information on international admission, visit the Office of Global Education’s admission website. Effective spring 2018.

For more information about graduate admissions, please visit the Graduate Studies website.

Program Requirements
Major Requirements
[AS-MS-PHRM]

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<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tr>
<td>BMS 60199</td>
<td>THESIS I</td>
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<tr>
<td>BMS 60440</td>
<td>CELLULAR AND MOLECULAR SIGNALING</td>
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<td>BMS 60502</td>
<td>MOLECULAR PHARMACOLOGY</td>
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<td>BMS 60503</td>
<td>PHARMACOLOGY JOURNAL REVIEW</td>
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<td>BMS 61000</td>
<td>RESPONSIBLE CONDUCT OF RESEARCH</td>
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<td>BMS 61001</td>
<td>INTRODUCTION TO BIOMEDICAL SCIENCES</td>
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Quantitative Methods and Statistics Elective, choose from the following:
- ANTH 68637 BIOANTHROPOLOGICAL DATA ANALYSIS I (3-5 credits)
- 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 credits)

Minimum Total Credit Hours: 32

Graduation Requirements
Students must complete minimum 32 credit hours for the M.S. degree, which includes minimum 17 credit hours that are letter graded (required and elective courses).