PRE-PHARMACY ADVISING PROGRAM

College of Arts and Sciences
104 Bowman Hall
Kent Campus
www.kent.edu/cas

Description
The Pre-Pharmacy Advising Program is a non-degree, pre-professional program that provides students with an opportunity to prepare for further training in pharmacy schools or colleges. Students work closely with their pre-pharmacy faculty advisor to ensure they meet the admissions requirements for the pharmacy school or college of their choice.

The program’s curriculum aligns with admission criteria for the the Doctor of Pharmacy degree offered by the Northeast Ohio Medical University (NEOMED). As an alternate, students interested in applying to the NEOMED can satisfy all pre-pharmacy requirements by completing the B.S. degree in Chemistry with the Biochemistry concentration. In this degree program, students either complete four years of study at Kent State, or (with careful planning) complete three years of study at Kent State and satisfy the remaining requirements of their B.S. degree with coursework completed at NEOMED.

The College of Arts and Sciences offers advising non-degree programs for students who wish to pursue professional careers in a medical field, including medicine, osteopathy, dentistry, pharmacy and veterinary medicine. The curriculum in these pre-medical programs is designed to prepare students for advanced, professional study by providing a sound basis in biology and chemistry, physics and mathematics.

These advising programs meet the coursework requirements for admission to most medical schools, although admission requirements may differ per school. Students who wish to pursue a graduate medical program would be well advised to check carefully the admissions requirements of the professional schools they wish to enter. Students should also seek advice regularly from their faculty advisors.

Fully Offered At:
• Kent Campus

Admission Requirements
Students must be admitted to a bachelor’s degree program in the College of Arts and Sciences to declare this non-degree advising program.

Program Requirements
Pre-Professional Requirements

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<th>Code</th>
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<th>Credit Hours</th>
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<tr>
<td>BSCI 10120</td>
<td>BIOLOGICAL FOUNDATIONS (KBS) (KLAB)</td>
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<tr>
<td>BSCI 30140</td>
<td>CELL BIOLOGY</td>
<td>4</td>
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<tr>
<td>CHEM 10060</td>
<td>GENERAL CHEMISTRY I (KBS)</td>
<td>4</td>
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<tr>
<td>or CHEM 10970</td>
<td>HONORS GENERAL CHEMISTRY I (KBS)</td>
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CHEM 10061  GENERAL CHEMISTRY II (KBS)  4
or CHEM 10971  HONORS GENERAL CHEMISTRY II (KBS)  4

CHEM 10062  GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)  1

CHEM 10063  GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)  1

CHEM 30475  ORGANIC CHEMISTRY LABORATORY I (ELR)  1

CHEM 30476  ORGANIC CHEMISTRY LABORATORY II  1

COMM 15000  INTRODUCTION TO HUMAN COMMUNICATION (KADL)  3

ECON 22060  PRINCIPLES OF MICROECONOMICS (KSS)  3

ENG 11011  COLLEGE WRITING I (KCMP)  3

ENG HONR 10197  FRESHMAN HONORS COLLOQUIUM I (KCMP)  3

ENG 21011  COLLEGE WRITING II (KCM)  3

MATH 12002  ANALYTIC GEOMETRY AND CALCULUS I (KMCR)  4

or MATH 12021  CALCULUS FOR LIFE SCIENCES  4

MATH 12022  PROBABILITY AND STATISTICS FOR LIFE SCIENCES  3

PHIL 21001  INTRODUCTION TO ETHICS (DIVG) (KHUM)  3

PSYC 11762  GENERAL PSYCHOLOGY (DIVD) (KSS)  3

SOC 12050  INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)  3

Biological Chemistry Electives, choose from the following:  7

CHEM 30284  INTRODUCTORY BIOLOGICAL CHEMISTRY

& CHEM 40248  and ADVANCED BIOLOGICAL CHEMISTRY

CHEM 40245  BIOCHEMICAL FOUNDATIONS OF MEDICINE

& CHEM 40248  and ADVANCED BIOLOGICAL CHEMISTRY

Organic Chemistry Electives, choose from the following:  6

CHEM 20481  BASIC ORGANIC CHEMISTRY I

& CHEM 20482  and BASIC ORGANIC CHEMISTRY II

CHEM 30481  ORGANIC CHEMISTRY I

& CHEM 30482  and ORGANIC CHEMISTRY II

Physics Electives, choose one of the following:  10

PHY 13001  GENERAL COLLEGE PHYSICS I (KBS)

& PHY 13002  and GENERAL COLLEGE PHYSICS II (KBS)

& PHY 13021  and GENERAL COLLEGE PHYSICS

& PHY 13022  LABORATORY I (KBS) (KLAB)

and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)

PHY 23101  GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)

& PHY 23102  and GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)

Minimum Total Credit Hours:  71

1 These economics, mathematics and biological chemistry courses are required prerequisites for admission to the pharmacy program at NEOMED and are recommended for other pharmacy programs.

Pre-Professional Information
• It is imperative that students meet with the pre-pharmacy faculty advisor immediately upon entering Kent State University. This allows students to most efficiently meet the requirements for admission to a number of pharmacy schools. These schools typically require coursework totaling 60-62 credit hours, which can be completed in two years. However, the coursework may vary based on the requirements of different pharmacy schools.
To better prepare for admission to pharmacy programs, additional courses are recommended:

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<tr>
<td>BSCI 30130</td>
<td>HUMAN PHYSIOLOGY</td>
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<tr>
<td>BSCI 30171</td>
<td>GENERAL MICROBIOLOGY</td>
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<tr>
<td>BSCI 30518</td>
<td>VERTEBRATE ANATOMY</td>
<td>4</td>
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<tr>
<td>ECON 22061</td>
<td>PRINCIPLES OF MACROECONOMICS (KSS)</td>
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