

# PRE-PHARMACY ADVISING PROGRAM

College of Arts and Sciences  
www.kent.edu/cas

## Contact Information

- Program Coordinator: **Erin Lawson** | elawson1@kent.edu | 330-672-2062
- Speak with an Advisor

## Fully Offered

- **Delivery:**
  - In person
- **Location:**
  - Kent Campus

## 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.

## 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

Code	Title	Credit Hours
<b>Pre-Professional Requirements</b>		
BSCI 10120	BIOLOGICAL FOUNDATIONS (ELR) (KBS) (KLAB)	4
BSCI 30140	CELL BIOLOGY	4
CHEM 10060 or CHEM 10970	GENERAL CHEMISTRY I (KBS) HONORS GENERAL CHEMISTRY I (KBS)	4
CHEM 10061 or CHEM 10971	GENERAL CHEMISTRY II (KBS) 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) <sup>1</sup>	3
ENG 11011 or HONR 10197	COLLEGE WRITING I (KCMP) FRESHMAN HONORS COLLOQUIUM I (KCMP)	3
ENG 21011 or HONR 10297	COLLEGE WRITING II (KCMP) FRESHMAN HONORS COLLOQUIUM II (KCMP)	3
MATH 12002 or MATH 12021	ANALYTIC GEOMETRY AND CALCULUS I (KMCR) <sup>1</sup> CALCULUS FOR LIFE SCIENCES	4-5
MATH 12022 or MATH 30011	PROBABILITY AND STATISTICS FOR LIFE SCIENCES <sup>1</sup> BASIC PROBABILITY AND STATISTICS	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: <sup>1</sup>		7
CHEM 30284 & CHEM 40248	INTRODUCTORY BIOLOGICAL CHEMISTRY and ADVANCED BIOLOGICAL CHEMISTRY	
CHEM 40245 & CHEM 40248	BIOCHEMICAL FOUNDATIONS OF MEDICINE and ADVANCED BIOLOGICAL CHEMISTRY	
Organic Chemistry Electives, choose from the following:		6
CHEM 20481 & CHEM 20482	BASIC ORGANIC CHEMISTRY I and BASIC ORGANIC CHEMISTRY II	
CHEM 30481 & CHEM 30482	ORGANIC CHEMISTRY I and ORGANIC CHEMISTRY II	
Physics Electives, choose one of the following:		10
PHY 13001 & PHY 13002 & PHY 13021 & PHY 13022	GENERAL COLLEGE PHYSICS I (KBS) and GENERAL COLLEGE PHYSICS II (KBS) and GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB) and GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)	
PHY 23101 & PHY 23102	GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB) and GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)	

**Minimum Total Credit Hours:** 71

<sup>1</sup> 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:

Code	Title	Credit Hours
BSCI 30130	HUMAN PHYSIOLOGY	3
BSCI 30171	GENERAL MICROBIOLOGY	4
BSCI 30518	VERTEBRATE ANATOMY	4
ECON 22061	PRINCIPLES OF MACROECONOMICS (KSS)	3