

PRE-MEDICINE/PRE-OSTEOPATHY ADVISING PROGRAM

College of Arts and Sciences

104 Bowman Hall
Kent Campus
www.kent.edu/cas

Description

The Pre-Medicine/Pre-Osteopathy Advising Program is a non-degree, pre-professional program that provides students with an opportunity to prepare for further medical training after completing their undergraduate degree. Students take courses that prepare them for the Medical College Admissions Test (MCAT) and coursework in medical school.

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. Students who plan to pursue a bachelor's degree in biology, chemistry or physics (all of which have their own pre-medicine/pre-osteopathy concentration), should not declare this program.

Program Requirements

Pre-Professional Requirements

Code	Title	Credit Hours
Pre-Professional Requirements		
BSCI 10120	BIOLOGICAL FOUNDATIONS (KBS) (KLAB)	4
BSCI 30140	CELL BIOLOGY	4
BSCI 30156	ELEMENTS OF GENETICS	3
BSCI 30171	GENERAL MICROBIOLOGY	4
BSCI 30130	HUMAN PHYSIOLOGY	3
or BSCI 40430	ANIMAL PHYSIOLOGY	
CHEM 10060	GENERAL CHEMISTRY I (KBS)	4
or CHEM 10970	HONORS GENERAL CHEMISTRY I (KBS)	
CHEM 10061	GENERAL CHEMISTRY II (KBS)	4

or CHEM 10971	HONORS GENERAL CHEMISTRY II (KBS)	
CHEM 10062	GENERAL CHEMISTRY I LABORATORY (KBS) (KLAB)	1
CHEM 10063	GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)	1
CHEM 30284	INTRODUCTORY BIOLOGICAL CHEMISTRY	4
or CHEM 40245	BIOCHEMICAL FOUNDATIONS OF MEDICINE	
CHEM 30475	ORGANIC CHEMISTRY LABORATORY I (ELR)	1
CHEM 30476	ORGANIC CHEMISTRY LABORATORY II	1
MATH 12002	ANALYTIC GEOMETRY AND CALCULUS I (KMCR)	4-5
or MATH 12021	CALCULUS FOR LIFE SCIENCES	
MATH 12022	PROBABILITY AND STATISTICS FOR LIFE SCIENCES	3
or MATH 30011	BASIC PROBABILITY AND STATISTICS	
PSYC 11762	GENERAL PSYCHOLOGY (DIVD) (KSS)	3
SOC 12050	INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)	3
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 from 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: 63

Pre-Professional Information

- Students should consult with a faculty pre-medicine/pre-osteopathy advisor each semester for assistance in choosing classes, the appropriate sequencing of classes and to ensure entrance requirements for selected medical schools are being met.
- While individual medical or osteopathy schools may require a variety of additional courses, BSCI 30518 is recommended to strengthen a student's preparation for the MCAT.
- Students are encouraged, after consultation with a faculty pre-medicine and pre-osteopathy advisor, to select from the following Kent Core and general elective courses to help prepare for a career in medicine:

Code	Title	Credit Hours
COMM 15000	INTRODUCTION TO HUMAN COMMUNICATION (KADL)	3
ECON 22060	PRINCIPLES OF MICROECONOMICS (KSS)	3
ECON 42086	ECONOMICS OF HEALTH CARE	3
PHIL 21001	INTRODUCTION TO ETHICS (DIVG) (KHUM)	3
PSYC 40111	ABNORMAL PSYCHOLOGY	3
PSYC 41363	BIOPSYCHOLOGY	3
SOC 42563	SOCIOLOGY OF HEALTH AND HEALTH CARE	3