PreMedicine/PreOsteopathy Advising Program

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

Description
The College of Arts and Sciences offers programs for students who wish to pursue professional careers in medically-related fields. These pre-medical programs are designed to provide a sound basis in biology and chemistry, along with coursework in physics and mathematics. The pre-medical/pre-osteopathy, pre-veterinary medicine, pre-dentistry and pre-pharmacy programs are intended to prepare students for advanced, professional study in the medical sciences.

Admission requirements differ among medical schools. These programs meet the coursework requirements for admission to most medical schools. Students who wish to pursue a pre-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.

Students may pursue pre-medical programs under the Bachelor of Arts degree, the Bachelor of Science degree or a carefully designed Bachelor of Integrative Studies degree. The pre-medical programs serve as advising programs for students in the B.A., B.S. and B.I.S. programs.

PreMedicine/PreOsteopathy, a pre-professional advising program, 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. In addition to declaring this program, students must be admitted to a bachelor's degree program in the College of Arts and Sciences. Students who plan to pursue a bachelor's degree in Biology, Chemistry or Physics, which have their own pre-medical/pre-osteopathy concentrations, should not declare this program.

FULLY OFFERED AT:
• Kent Campus

Admission Requirements
The university affirmatively strives to provide educational opportunities and access to students with varied backgrounds, those with special talents and adult students who graduated from high school three or more years ago.

Freshman Students on the Kent Campus: The freshman admission policy on the Kent Campus is selective. Admission decisions are based upon the following: cumulative grade point average, ACT and/or SAT scores, strength of high school college preparatory curriculum and grade trends. The Admissions Office at the Kent Campus may defer the admission of students who do not meet admissions criteria but who demonstrate areas of promise for successful college study. Deferred applicants may begin their college coursework at one of seven Regional Campuses of Kent State University. For more information on admissions, including additional requirements for some academic programs, visit the admissions website for new freshmen.

Freshman Students on the Regional Campuses: Kent State campuses at Ashtabula, East Liverpool, Geauga, Salem, Stark, Trumbull and Tuscarawas, as well as the Regional Academic Center in Twinsburg, have open enrollment admission for students who hold a high school diploma, GED or equivalent.

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 525 TOEFL score (71 on the Internet-based version), minimum 75 MELAB score, minimum 6.0 IELTS score or minimum 48 PTE Academic score, or by completing the ELS level 112 Intensive Program. For more information on international admission, visit the Office of Global Education's admission website.

Transfer, Transitioning and Former Students: For more information about admission criteria for transfer, transitioning and former students, please visit the admissions website.

Program Requirements

Major 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 30190 | 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 | |
| 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 |
| Group One: | |
| CHEM 20481 | BASIC ORGANIC CHEMISTRY I | |
| CHEM 20482 | BASIC ORGANIC CHEMISTRY II | |
| Group Two: | |
| CHEM 30481 | ORGANIC CHEMISTRY I | |
| CHEM 30482 | ORGANIC CHEMISTRY II | |
| Both groups take: | |
| CHEM 30475 | ORGANIC CHEMISTRY LABORATORY I (ELR) | 1 |
| CHEM 30476 | ORGANIC CHEMISTRY LABORATORY II | 1 |

PreMedicine/PreOsteopathy Advising Program
Choose from the following:

<table>
<thead>
<tr>
<th>Group One</th>
<th>10</th>
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<tbody>
<tr>
<td>PHY 13001 GENERAL COLLEGE PHYSICS I (KBS)</td>
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<tr>
<td>PHY 13002 GENERAL COLLEGE PHYSICS II (KBS)</td>
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<tr>
<td>PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)</td>
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<td>PHY 13022 GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)</td>
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<tr>
<th>Group Two</th>
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<tr>
<td>PHY 23101 GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)</td>
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<tr>
<td>PHY 23102 GENERAL UNIVERSITY PHYSICS II (KBS) (KLAB)</td>
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Minimum Total Credit Hours: 63-64

• 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 premedicine and preosteopathy advisor, to select from the following Kent Core courses and general elective courses to help prepare for a career in medicine:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit</th>
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<tbody>
<tr>
<td>COMM 15000</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION (KADL)</td>
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<tr>
<td>ECON 22060</td>
<td>PRINCIPLES OF MICROECONOMICS (KSS)</td>
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<tr>
<td>ECON 42086</td>
<td>ECONOMICS OF HEALTH CARE</td>
<td>3</td>
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<tr>
<td>PHIL 21001</td>
<td>INTRODUCTION TO ETHICS (DIVG) (KHUM)</td>
<td>3</td>
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<tr>
<td>PSYC 40111</td>
<td>ABNORMAL PSYCHOLOGY</td>
<td>3</td>
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<tr>
<td>PSYC 41363</td>
<td>BIOPSYCHOLOGY</td>
<td>3</td>
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<tr>
<td>SOC 42563</td>
<td>SOCIOMETRY OF HEALTH AND HEALTH CARE</td>
<td>3</td>
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