PREPHARMACY 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-medicine/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.

PrePharmacy, a pre-professional advising program, provides students with an opportunity to prepare for further training in pharmacy schools or colleges. Students work closely with their prepharmacy faculty advisor to ensure they meet the admissions requirements for the pharmacy school or college of their choice. In addition to declaring this program, students must be admitted to a bachelor’s degree program in the College of Arts and Sciences.

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
It is imperative that students interested in the PrePharmacy advising program meet with the PrePharmacy 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.

Major Requirements

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<tr>
<th>Code</th>
<th>Course Name</th>
<th>Units</th>
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<tbody>
<tr>
<td>BSCI 10120</td>
<td>BIOLOGICAL FOUNDATIONS (KBS) (KLAB)</td>
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<tr>
<td>BSCI 30140</td>
<td>CELL BIOLOGY</td>
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<tr>
<td>CHEM 10060</td>
<td>GENERAL CHEMISTRY I (KBS)</td>
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<tr>
<td>or CHEM 10970</td>
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<tr>
<td>CHEM 10061</td>
<td>GENERAL CHEMISTRY II (KBS)</td>
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<tr>
<td>or CHEM 10971</td>
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<td>CHEM 10062</td>
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<td>CHEM 10063</td>
<td>GENERAL CHEMISTRY II LABORATORY (KBS) (KLAB)</td>
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<tr>
<td>COMM 15000</td>
<td>INTRODUCTION TO HUMAN COMMUNICATION (KADL)</td>
<td>3</td>
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<tr>
<td>ENG 11011</td>
<td>COLLEGE WRITING I (KCMP)</td>
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<tr>
<td>ENG 21011</td>
<td>COLLEGE WRITING II (KCMP)</td>
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<td>PHIL 21001</td>
<td>INTRODUCTION TO ETHICS (DIVG) (KHUM)</td>
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<td>PSYC 11762</td>
<td>GENERAL PSYCHOLOGY (DIVD) (KSS)</td>
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<tr>
<td>SOC 12050</td>
<td>INTRODUCTION TO SOCIOLOGY (DIVD) (KSS)</td>
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Choose from the following:

- Chem: Group One
  - CHEM 20481| BASIC ORGANIC CHEMISTRY I                      |       |
  - CHEM 20482| BASIC ORGANIC CHEMISTRY II                     |       |
- Chem: Group Two
  - CHEM 30481| ORGANIC CHEMISTRY I                            |       |
  - CHEM 30482| ORGANIC CHEMISTRY II                           |       |

Both Chem groups take the following:

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<tbody>
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<tr>
<td>CHEM 30476</td>
<td>ORGANIC CHEMISTRY LABORATORY II</td>
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<td>CHEM 30476</td>
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PrePharmacy Advising Program
Ph: Group Two

PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)
PHY 13022 GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)

Minimum Total Credit Hours: 54

To better prepare for admission to Pharmacy schools, additional courses are recommended:

Choose from the following:
CHEM 30284 INTRODUCTORY BIOLOGICAL CHEMISTRY 4
or CHEM 40245 BIOCHEMICAL FOUNDATIONS OF MEDICINE
BSCI 30130 HUMAN PHYSIOLOGY 3
BSCI 30171 GENERAL MICROBIOLOGY 4
BSCI 30518 VERTEBRATE ANATOMY 4
CHEM 40248 ADVANCED BIOLOGICAL CHEMISTRY 3
MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (KCMR) 3-5
or MATH 30011 BASIC PROBABILITY AND STATISTICS 3-5

PrePharmacy for NEOMED Program Requirements

The Northeast Ohio Medical University (NEOMED) offers a four-year Doctor of Pharmacy (Pharm. D.) degree. It has a consortial relationship with four Northeast Ohio public universities: Kent State, Cleveland State, Youngstown State and Akron Universities. Admissions criteria include completion of a two- or three-year prepharmacy program at an accredited university as well as satisfactory scores on the Pharmacy College Admissions Test (PCAT). Each of the consortial universities has 15 admission slots for students with acceptable GPAs, PCAT scores, interview scores, etc. For further information go to the NEOMED website: http://www.neomed.edu or contact Dr. Soumitra Basu
Room 204 Williams Hall
e-mail sbasu@kent.edu,
telephone 330-672-3906

Major Requirement

Group One
CHEM 30481 ORGANIC CHEMISTRY I
CHEM 30482 ORGANIC CHEMISTRY II
CHEM 30475 ORGANIC CHEMISTRY LABORATORY I (ELR) 1
CHEM 30476 ORGANIC CHEMISTRY LABORATORY II 1
Choose one of the following: 7

Group Two
CHEM 30284 INTRODUCTORY BIOLOGICAL CHEMISTRY
CHEM 40248 ADVANCED BIOLOGICAL CHEMISTRY

Choose from the following: 10

Group One
PHY 13001 GENERAL COLLEGE PHYSICS I (KBS)
PHY 13002 GENERAL COLLEGE PHYSICS II (KBS)
PHY 13021 GENERAL COLLEGE PHYSICS LABORATORY I (KBS) (KLAB)
PHY 13022 GENERAL COLLEGE PHYSICS LABORATORY II (KBS) (KLAB)

Group Two
PHY 23101 GENERAL UNIVERSITY PHYSICS I (KBS) (KLAB)
PHY 23102 GENERAL UNIVERSITY PHYSICS II (KBS)

MATH 12002 ANALYTIC GEOMETRY AND CALCULUS I (KCMR) 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 3-5

Choose one of the following: 6

Group One
ENG 11011 COLLEGE WRITING I (KCMP)
ENG 21011 COLLEGE WRITING II (KCMP)

Group Two
HONR 10197 FRESHMAN HONORS COLLOQUIUM I (KCMP)
HONR 10297 FRESHMAN HONORS COLLOQUIUM II (KCMP)
COMM 15000 INTRODUCTION TO HUMAN COMMUNICATION (KADL) 3
ECON 22060 PRINCIPLES OF MICROECONOMICS (KSS) 3
PSYC 11762 GENERAL PSYCHOLOGY (DIVD) (KSS) 3

ECON 22061 PRINCIPLES OF MACROECONOMICS (KSS) 3

Strongly recommended

Minimum Total Credit Hours: 65

Students interested in applying to the NEOMED Doctor of Pharmacy degree program can satisfy all prepharmacy requirements by completing the Bachelor of Science degree in Chemistry with a 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 in chemistry with coursework completed at NEOMED. For details, please contact the prepharmacy advisor in the Department of Chemistry and Biochemistry.