

PRE-PROFESSIONAL PROGRAMS

Students who desire to apply to professional schools of dentistry, medicine, pharmacy, veterinary medicine, engineering, forestry, optometry, wildlife management, or law should consult with the appropriate pre-professional adviser. Normally a student in a pre-professional program who wishes to receive a degree from NKU must fulfill the requirements listed in this catalog under "Requirements for degrees." However, under certain circumstances, the first year of work at a professional school may be applied toward the degree at NKU (see, elsewhere in this catalog, "Transfer of credit from post-bachelor's institutions to NKU bachelor's programs").

The following are the usual minimum requirements for admission to the respective professional schools ("1 semester" refers to at least 3 semester hours of credit; "1 year," to at least 6 semester hours).

Pre-Dentistry and Pre-Medicine

Most students complete an undergraduate program before attending dental or medical school. Exceptional students may gain entrance after three undergraduate years. Students fulfilling the basic requirements below may be accepted with almost any major. Usually, pre-dental or pre-medical students major in sciences such as biology, chemistry, or physics or in mathematics. For further details and suggested curricula, see under "Biological Sciences" or "Chemistry" in this catalog.

- 1 year English composition
- 1 year biology with laboratory
- 1 year physics with laboratory
- 1 year general chemistry with laboratory
- 1 year organic chemistry with laboratory

In their junior year, students must register with Northern's Pre-Medical Review Board to indicate intended application to medical or dental school. Information on the Board may be obtained from students' advisers.

Pre-Pharmacy

Pre-pharmacy students will normally enter pharmacy school after two years of undergraduate work. If such students remain at NKU they may readily complete a major in biology or in chemistry in their third and fourth years. For further details and suggested curricula, see under "Biological Sciences" or "Chemistry" in this catalog.

- 1 year English composition
- 1 year biology with laboratory
- 1 year mathematics (calculus and statistics)
- 1 semester microbiology with laboratory
- 1 semester principles of economics
- 1 year physics with laboratory
- 1 year general chemistry with laboratory
- 1 year organic chemistry with laboratory

Pre-Veterinary Medicine

Although Kentucky does not have a school of veterinary medicine, a limited number of students who are residents of Kentucky are selected to enter training in veterinary medicine at Auburn University, Auburn, Alabama, and Tuskegee Institute, Tuskegee, Alabama. These students are exempt from out-of-state tuition. Students generally need to have a grade-point average (GPA) of at least 3.20 to be competitive for admission.

Most students require at least three years to complete the courses required for admission to veterinary schools. For further details and suggested curricula, see under "Biological Sciences" or "Chemistry" in this catalog.

- 1 year English composition
- 1 year biology with laboratory
- 1 semester mathematics (calculus)
- 2 years chemistry including general chemistry and organic chemistry with laboratory

Pre-Engineering

Northern Kentucky University, in conjunction with the University of Kentucky, offers students the opportunity to pursue a degree in agricultural, chemical, civil, electrical, mechanical, materials, or mining engineering. Similar arrangements exist with the Speed Scientific School at the University of Louisville. These agreements allow the same predictable transfer to UL as to UK but for a degree program that leads to Master of science level degree in any of chemical, civil, electrical, industrial, or mechanical engineering as well as a hybrid degree in engineering mathematics and computer science.

Pre-engineering students may elect to follow a three/two agreement that leads to the award of a degree in physics from NKU and the award of a degree in a field of engineering from the program and institution of choice. Alternatively, a student may elect to study at NKU for two years of course work then transfer to another institution to complete only requirements for the BS in a field of engineering in two years.

Most Pre-engineering students will be expected to complete at least this group of courses at NKU before transfer to a degree program in engineering:

- 1 year of English Composition
- 1 year of university physics with laboratory
- 2 years of calculus and differential equations
- 1 year of chemistry

Courses in computer graphics, general education, and introduction to engineering and design.

See under "Physics and Geology"

Pre-Forestry

See under "Biological Sciences."

Pre-Optometry

See under "Biological Sciences."

Pre-Physical Therapy

See under "Biological Sciences."

Pre-Physician Assistant

See under "Biological Sciences."

Pre-Wildlife Management

See under "Biological Sciences."

Pre-Law

No particular course of study is a prerequisite for admission to law school. The main guide to undergraduate studies should be the student's own interests and talents. Students considering law school may wish to consider the legal studies minor or the pre-law area of concentration offered by the Department of Political Science. Among the primary admissions factors considered by law schools are the GPA and the score on the law school admission test (LSAT). All pre-law students, regardless of major, are advised to consult with the University's pre-law adviser.

