

Anderson Hall is centrally located on the campus in close proximity to the Computing Center, to the main library and the libraries of the Departments of Mathematics, Physics and Chemistry. In addition to the Anderson Hall complex, instruction and research are carried on in the Wenner-Gren Aeronautical Laboratory and the Highway Research Laboratory—both located on the main campus.

The laboratories of the College of Engineering are equipped with modern instructional and research equipment to which additional, modern equipment is being added at an increasing rate to provide facilities by means of which students can participate in modern experimental engineering as a significant part of their educational experience.

The College is engaged in a number of research projects, and students interested in such investigations have ample opportunity to engage in work along the lines of their special fields of interest.

*For Further Information, Address*  
 THE DEAN  
 COLLEGE OF ENGINEERING  
 or  
 THE REGISTRAR  
 UNIVERSITY OF KENTUCKY  
 LEXINGTON 40506

*Admission.* Students admitted to the University directly from high school, and those who transfer from other colleges and universities who have not completed the pre-engineering requirements listed below, will register in the College of Arts and Sciences as pre-engineering students until the requirements are met. Each student will be assigned an academic advisor from the College of Engineering to assist in the selection of the proper courses or course sequences to complete the pre-engineering requirements in minimum time.

Pre-professional and professional courses for which the student has the proper prerequisites may be scheduled while registered as a pre-engineering student in the College of Arts and Sciences or in any other accredited college or university that offers the equivalent of these courses.

Any student may be admitted to the College of Engineering who has completed the pre-engineering requirements. These requirements are:

Completion of a minimum of sixty (60) semester credits including the following:

- (a) One year of English composition;
- (b) Mathematics through the first course in differential equations;
- (c) One year of general college chemistry;
- (d) One year of general college physics which requires a knowledge of calculus.

The remainder of the sixty credits should be selected from the pre-professional courses if available, from

the General Studies areas, or science or mathematics (excluding credits in freshman college algebra and freshman college trigonometry).

Each student should study the curriculum in the engineering field of his choice to determine those courses he should take. These curricula are listed in a normal semester sequence under the different department headings on pages that follow.

### *Recommended Curriculum for Pre-engineering Students*

Completion of this recommended pre-engineering curriculum will satisfy the requirements for admission to the College of Engineering. Since the requirements of the departmental curricula vary, *students are advised to refer to the curriculum for the area of major studies for more specific details.*

#### *Freshman Year*

First Semester	Crs.
ENG 101—Freshman Composition	3
MA 113—Analytics & Calculus I	4
CHE 110—General College Chemistry	5
*Elective—General	2
**Elective—General Studies	3
ENGR 001—The Engineering Profession	0
	17

Second Semester	Crs.
ENG 102—Freshman Composition	3
MA 211—Analytics & Calculus II	4
CHE 112—General College Chemistry	5
PHY 231—General College Physics	3
PHY 241—General College Physics Lab	2
ENGR 002—The Engineering Profession	0
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#### *Sophomore Year*

First Semester	Crs.
MA 212—Analytics & Calculus III	4
PHY 232—General College Physics	3
PHY 242—General College Physics Lab	2
***Electives	6 to 8
	15 to 17

Second Semester	Crs.
MA 431—Differential Equations	3
***Electives	12 to 14
	15 to 17

\* Students planning to do their major work in Agricultural, Civil, Electrical or Mechanical Engineering should take ME 105—Basic Engineering Graphics. This course is not required in Chemical and Metallurgical Engineering.

\*\* Select from General Studies areas 4, 5, 6, 7 or 8 in consultation with the academic advisor.

\*\*\* Selection should be made from General Studies or Pre-professional courses with curriculum for major area in mind, and in consultation with the Engineering academic advisor.

### *General Studies*

The general studies component, required by the University of all students, stipulates a specified sequence