

First Samastar

Mechanical Engineering

College of Engineering

The mechanical engineer's training is the broadest among the several fields of engineering. The mechanical engineer uses the techniques of mathematics combined with a specialized knowledge of the thermal and energy sciences, solid and fluid mechanics, and the properties of materials. This information is supplemented by an understanding of manufacturing processes, the design and control of systems, and the economics of the technological community.

Admission to the program is selective. Students should refer to the UK *Bulletin* for general information concerning admission and graduation requirements.

Degree Requirements

The following curriculum meets the requirements for a Bachelor of Science in Mechanical Engineering, provided the student satisfies the graduation requirements of the College of Engineering.

Freshman Year

First Semester	nours
ME 101 Introduction to Mechanical Engineering	3
CHE 105 General College Chemistry I	
MA 113 Calculus I	
CIS/WRD 110 Composition and Communication I	
UK Core*	
ON GOI'E	
Second Semester	
ME 151 Manufacturing Engineering	3
CHE 107 General College Chemistry II	
MA 114 Calculus II	4
CIS/WRD 111 Composition and Communication II	3
UK Core*	3
Sophomore Year	
0.0	
•	Hours
First Semester	
First Semester PHY 231 General University Physics	4
First Semester PHY 231 General University Physics PHY 241 General University Physics Laboratory	4 1
First Semester PHY 231 General University Physics	4 1
First Semester PHY 231 General University Physics PHY 241 General University Physics Laboratory MA 213 Calculus III CS 221 First Course in Computer Science for Engineers	4 1 4
First Semester PHY 231 General University Physics	4 4 2
First Semester PHY 231 General University Physics	4 4 2
First Semester PHY 231 General University Physics	4 4 2 3
First Semester PHY 231 General University Physics	4 4 3 3
First Semester PHY 231 General University Physics	4 4 2 3 3
First Semester PHY 231 General University Physics	4233
First Semester PHY 231 General University Physics	4 4 2 3 3

Junior Year

First Semester ME 321 Engineering Thermodynamics II	3	
EM 313 Dynamics		
Second Semester ME 310 Engineering Experimentation I 3 ME 344 Mechanical Design 3 ME 325 Elements of Heat Transfer 3 ME 340 Introduction to Mechanical Systems 3 Mathematics Elective 3	} }	
Senior Year		
First Semester Hours ME 411 ME Capstone Design I		
ME 311 Engineering Experimentation II	3	

*To be selected from UK Core courses in consultation with the academic advisor.

†Technical Electives.

Hours

University of Kentucky is accredited by the Southern Association of Colleges and Schools Commission on Colleges. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097, call 404-679-4500, or online at http://www.sacscoc.org for questions about the accreditation of University of Kentucky.