



BACHELOR of SCIENCE in MECHANICAL ENGINEERING (#543)

Department of Engineering
 Ogden College of Science and Engineering
 Western Kentucky University

The suggested program of study shown below should be used in consultation with your advisor(s). Every student will finish with a unique plan of his/her own depending on the electives selected.

Success Markers

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	<p>-Show up on time and ready to participate</p> <p>-Find a good study group</p> <p>-Seek help at first signs of trouble</p> <p><i>Visit The Learning Center for free tutoring</i></p>	*ME176 – Mechanical Engineering Freshman Design (req: <i>MATH 117 or higher</i>)	1	* ME 180 – Freshmen Design II (req: <i>ME 176 and MATH 136 with C or better</i>)
*MATH 136 – Calculus I		4	*MATH 137 – Calculus II	4
*CHEM 116/106 OR CHEM 120/121		4/5	*PHYS 255/256 – Physics I (<i>with a Lab</i>)	5
*ENG 100 – College Writing		3	*EM 221 – UK Statics OR *EM 222 – WKU Statics	3
*General Education Course A-III		3	General Education F	1
TOTAL CREDIT HOURS		15/16	TOTAL CREDIT HOURS	16

SECOND YEAR	Fall Semester		Spring Semester	
	<p>-Consider a co-op or internship</p> <p>-Join the ASME</p> <p>-Connect with your advisor</p>	*ME 240/241 – Materials and Methods of Manufacturing and Lab	4	ME 200 – Sophomore Design
MATH 331 – Differential Equations		3	MATH 237 – Multivariable Calculus	4
*PHYS 265/266 – Physics II (<i>with a Lab</i>)		5	EM 313 – UK Dynamics	3
HIST 119 – Western Civ to 1648 OR HIST 120 – Western Civ Since 1648		3	EM 303 – Mechanics of Deformable Solids	3
General Education Course F		1	ME 347 – Mechanics Lab	1
			ENG 200 – Introduction to Literature	3
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	17

WINTER TERM	Winter Term	
	<i>Why not Study Abroad?</i>	
TOTAL CREDIT HOURS		

THIRD YEAR	Fall Semester		Spring Semester	
	-Find a project you can care about -Network with professionals <i>Visit Career Services</i>	ME 220 – Thermo I	3	ME 300 – Junior Design
ME 310 – Engineering Instrumentation		3	ME 330/332 – Fluid Mechanics (<i>with a Lab</i>)	4
ME 344 – Mechanical Design		3	EE 210 – Circuits and Networks I	3.5
Math/Science Elective		3	General Education Course A-II	3
General Education Course B		3	General Education Course C	3
General Education Course E		3		
TOTAL CREDIT HOURS	18	TOTAL CREDIT HOURS	15.5	

FOURTH YEAR	Fall Semester		Spring Semester	
	-Get help with your resume and application letters -Prepare for the FE Exam <i>Apply for Graduation</i>	ME 325/333 – Heat Transfer and Lab	4	General Education Course B
ME Technical Elective		3	ME Technical Elective	3
ME Technical Elective		3	ME Technical Elective	3
ME 400 – Mechanical Engineering Design		2	ME 412 – Senior Project	3
ENG 300 – Writing in the Disciplines		3	General Education Course C	3
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15

Total Credit Hours:127.5/128.5

* Denotes courses a student must complete with a “C” or better prior to admission to the major.

(Course prerequisites and corequisites are in parentheses and italics after each course listing.)

Additional requirements regarding distribution of electives, **UK courses**, and minimum grade requirements are detailed in the Mechanical Engineering Student Handbook at

<http://wku.edu/engineering/documents/mechanical-student-handbook.pdf>

PLEASE NOTE: Prerequisites, Course Numbers, and Course Titles are subject to change.

Consult your advisor each semester.

For more Information:

Department: Mechanical Engineering

Website: www.wku.edu/engineering/mechanical.php

Phone: 270-745-2461

Email: engineering@wku.edu

Course Descriptions: <http://www.wku.edu/undergraduatecatalog/>