



**BACHELOR of SCIENCE in MECHANICAL ENGINEERING (#543)**

School of Engineering and Applied Sciences

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.

**SAMPLE - 4 year plan**

<b>FIRST YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	<ul style="list-style-type: none"> <li>• <i>Show up, on time, ready to participate</i></li> <li>• <i>Find a good study group</i></li> <li>• <i>Seek help at first signs of trouble</i></li> </ul>	ME176 – Mechanical Engineering Freshman Design	1	*ME 180 – Freshmen Design II
MATH 136 – Calculus I (F-QR)		4	MATH 137 – Calculus II	4
CHEM 116/106 <b>OR</b> CHEM 120/121 (E-NS, LS)		4	PHYS 255/256 – Physics I ( <i>with a Lab</i> ) (E-NS)	5
ENG 100 Intro to College Writing (F-W1)		3	EM 222 –Statics	3
COMM 145 Fundamentals of Public Speaking (F-OC)		3		
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

<b>SECOND YEAR</b>	<b>Fall Semester</b>		<b>Spring Semester</b>	
	<ul style="list-style-type: none"> <li>• <i>Consider a co-op or internship</i></li> <li>• <i>Join the ASME</i></li> <li>• <i>Connect with your advisor</i></li> <li><i>Satisfy language Requirement</i></li> </ul>	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 – Dynamics	3
HIST 101 World History I OR HIST 102 World History II (F-SB)		3	EM 303 – Mechanics of Deformable Solids	3
			ME 347 – Mechanics Lab	1
			ENG 200 Intro to Literature (F-AH)	3
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>17</b>

**World Language Proficiency:** All students entering in Fall 2014 or later must demonstrate proficiency in a world language at the Novice High level before completing 60 credit hours. Novice high is the ability to communicate in writing and speaking on familiar topics in simple sentences. To meet this requirement, students may take college language courses or take a proficiency test. For more information go to [www.wku.edu/modernlanguages/placement/](http://www.wku.edu/modernlanguages/placement/).

**Colonnade Plan:** All students entering in fall 2014 or later must complete 39 hours in 13 specific Colonnade areas. Colonnade areas are listed in parentheses marked in blue after the corresponding classes. Some areas may have specific course requirements while others can be chosen from selected lists of options. For more details and to see lists of options, go to [http://www.wku.edu/colonnade/documents/approved\\_colonnade\\_courses\\_website.pdf](http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf)

<b>THIRD YEAR</b> <ul style="list-style-type: none"> <li>• <i>Find a project you can care about</i></li> <li>• <i>Network with professionals</i></li> </ul>	Fall Semester		Spring Semester	
	ME 220 – Thermo I	3	ME 300 – Junior Design	2
	ME 310 – Engineering Instrumentation	3	ME 330/332 – Fluid Mechanics (with a Lab)	4
	ME 344 – Mechanical Design	3	EE 210 – Circuits and Networks I	3.5
	Math/Science Elective	3	Social & Behavioral Studies (E-SB)	3
	Arts and Humanities (E-AH)	3	ME Technical Elective	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15.5</b>

<b>FOURTH YEAR</b> <ul style="list-style-type: none"> <li>• <i>Get help with your resume and application letters</i></li> <li>• <i>Prepare for the FE Exam</i></li> </ul>	Fall Semester		Spring Semester	
	ME 325/333 – Heat Transfer and Lab	4	ME Technical Elective	3
	ME Technical Elective	3	ME Technical Elective	3
	Connections: Social and Cultural (K-SC)	3	ME 412 – Senior Project	3
	ME 400 – Mechanical Engineering Design	2	Connections: Local to Global Course (K-LG)	3
	ENG 300 Writing in the Disciplines (F-W2)	3	Connections: Systems (K-SY)	3
	<b>TOTAL CREDIT HOURS</b>	<b>15</b>	<b>TOTAL CREDIT HOURS</b>	<b>15</b>

**Total Credit Hours: 122.5**

Information regarding ME Technical Electives, Pre-Major Requirements, and Math/Science electives can be found in the undergraduate catalog.

**PLEASE NOTE:** Prerequisites, Course Numbers, and Course Titles are subject to change. Consult your advisor each semester.

**For more Information:** Department: School of Engineering and Applied Sciences  
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