



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

FIRST YEAR	Fall Semester		Spring Semester	
	<ul style="list-style-type: none"> • Show up, on time, ready to participate • Find a good study group • Seek help at first signs of trouble 	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 OR 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		
TOTAL CREDIT HOURS		15	TOTAL CREDIT HOURS	15

SECOND YEAR	Fall Semester		Spring Semester	
	<ul style="list-style-type: none"> • Consider a co-op or internship • Join the ASME • Connect with your advisor • Satisfy language Requirement 	ME 240/241 – Materials and Methods of Manufacturing and Lab	4	ME 200 – Sophomore Design
MATH 237 – Multivariable Calculus		4	MATH 331 – Differential Equations	3
PHYS 265/266 – Physics II (<i>with a Lab</i>)		5	EE 210 – Circuits and Networks I	3.5
HIST 101 World History I OR HIST 102 World History II (F-SB)		3	EM 303 – Mechanics of Deformable Solids	3
			ENG 200 Intro to Literature (F-AH)	3
TOTAL CREDIT HOURS		16	TOTAL CREDIT HOURS	15.5

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/.

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 <https://www.wku.edu/colonnade/>

THIRD YEAR <ul style="list-style-type: none"> • Find a project you can care about • Network with professionals 	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	EM 313 – Dynamics	3
	ME 347 – Mechanical Systems Lab	1	Social & Behavioral Studies (E-SB)	3
	Math/Science Elective	3	ME Technical Elective	3
	Arts and Humanities (E-AH)	3		
	TOTAL CREDIT HOURS	16	TOTAL CREDIT HOURS	15

FOURTH YEAR <ul style="list-style-type: none"> • Get help with your resume and application letters • Prepare for the FE Exam 	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 or ENGR 491 – Senior Project	3
	ME 400 or ENGR 490 –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
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

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:

School of Engineering & Applied Sciences

Website: www.wku.edu/seas

Phone: 270-745-3251

Email: seas@wku.edu

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