



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.

SAMPLE - 4 year plan

FIRST YEAR	Fall Semester		Spring Semester	
	*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>)	3
*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 (with a Lab) (E-NS)	5	
* ENG 100 Intro to College Writing (F-W1)	3	*EM 221 – UK Statics OR *EM 222 – WKU 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	
	*ME 240/241 – Materials and Methods of Manufacturing and Lab	4	ME 200 – Sophomore Design	3
MATH 331 – Differential Equations	3	MATH 237 – Multivariable Calculus	4	
*PHYS 265/266 – Physics II (with a Lab)	5	EM 313 – UK 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	
TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	17	

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 http://www.wku.edu/colonnade/documents/approved_colonnade_courses_website.pdf

THIRD YEAR	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	Connections: Social and Cultural (K-SC)	3
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15.5

FOURTH YEAR	Fall Semester		Spring Semester	
	ME 325/333 – Heat Transfer and Lab	4	ME Technical Elective	3
	ME Technical Elective	3	ME Technical Elective	3
	ME Technical Elective	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
	TOTAL CREDIT HOURS	15	TOTAL CREDIT HOURS	15

Total Credit Hours: 122.5

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

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/>