

UK/WKU CURRICULUM

Bachelor of Science Program in Mechanical Engineering					
First Semester			Second Semester		
ENG 100	Freshman English	3	CS 245	Intro to Comp Prog Lang	1.5
MATH 126	Calculus I	4.5	MATH 227	Calculus II	4.5
UC101/ME 101	ME Freshman Experience	3	SCOM 161	Business Speaking	3
ME 240/241	Materials/Methods Mfg.	4	PHYS 250/251	Physics I & Lab	4
CHEM 120/121E	Chemistry for Engineers	4	HIST 119/120	Western Civilization	3
			Category F		2
		18.5			18
Third Semester			Fourth Semester		
MATH 327	Multivariable Calculus	4	ME 200	Sophomore Design	2
EM 221	Statics	3	MATH 331	Differential Equations	3
EE 250	EE Fundamentals	4	EM 313	Dynamics	3
PHYS 260/261	Physics II & Lab	4	EM 302	Mechanics of Deformable Solids	3
AMS 205	CADD for Manufacturing	3	ME 331	Mechanics of Deformable Solids Lab	1
			EE 285	Intro to Ind. Automation	2
			Category B		3
		18			17
Fifth Semester			Sixth Semester		
STAT 301	Applied Statistics	3	ME 300	Junior Design	2
MATH 350	Adv. Engineering Math	3	ME 310	Eng. Instru. And Exper.	3
ME 220	Eng. Thermodynamics I	3	ME 321	Eng. Thermodynamics II	3
ME 344	Mechanical Design	3	ME ...	ME Tech. Elective I	3
Category B	Elective	3	ME 330	Fluid Mechanics	3
ENG 200	Intro. To Literature	3	Economics		3
		18			17
Seventh Semester			Eighth Semester		
ME 325	Heat Transfer	3	ME 430	Senior ME Lab II	3
ME 410/411	ME Vib/Controls & Lab	4	ME 412	ME Senior Project	3
ME 400	Mechanical Eng Design	2	ME ...	ME Tech. Elective III	3
ME 420	Senior ME Lab I	3	Category C	Elective	3
ME ...	ME Tech. Elective II	3	Category E	Elective	3
ENG 300	Junior English	3			
		18			15

TOTAL HOURS = 139.5; Notes:

- (1) The following UK courses are offered at WKU through the University of Kentucky: *EM 221, EM 313, ME 220, ME 321, ME 344, and at least one Technical Elective* (18-21 hours of UK courses).
- (2). The following additional courses are based on UK syllabus, but taught by WKU: EM 302, ME 325, 330.
- (3) Technical Electives: Two lists of ME Technical Electives are available, one for WKU courses and one for UK courses. Students must select one from each list, with the remaining ME Technical Elective selected from either list.
- (4) Check the WKU undergraduate catalog for category B, C, E and F above.
 - Category B electives – Humanities
 - Category C electives – Social and Behavioral Sciences
 - Category E electives – World Cultures and American Cultural Diversity
 - Category F electives – Health and Wellness

Changes to the curriculum are approved by the joint program faculty.