

WKU/UK Joint Bachelor of Science Program in Mechanical Engineering

Suggested Plan of Study

First Semester

ENG 100	Freshman English	3
MATH 126	Calculus I	4.5
ME 175	ME Freshman Seminar	2
ME 240/241	Materials/Methods Mfg.	4
CHEM 120/121	Chemistry I & Lab	<u>5</u>
		18.5

Second Semester

CS 245	Intro Comp Prog Lang C	1.5
MATH 227	Calculus II	4.5
COMM 161	Business Speaking	3
PHYS 250/251	Physics I & Lab	4
HIST 119/120	Western Civilization	3
Category F		<u>2</u>
		18

Third Semester

MATH 327	Multivariable Calculus	4
EM 221	Statics	3
EE 250	EE Fundamentals	4
PHYS 260/261	Physics II & Lab	4
AMS 205	CADD for Manufacturing	<u>3</u>
		18

Fourth Semester

ME 200	Sophomore Design	2
MATH 331	Differential Equations	3
EM 313	Dynamics	3
EM 302	Strength of Materials	3
ME 331	Strength of Materials Lab	1
EE 285	Intro to Ind. Automation	2
Category B	Elective	<u>3</u>
		17

Fifth Semester

STAT 301	Applied Statistics	3
MATH 350	Adv Engineering Math	3
ME 220	Eng. Thermodynamics I	3
ME 344	Mechanical Design	3
Category B	Elective	3
ENG 200	Intro to Literature	<u>3</u>
		18

Sixth Semester

ME 300	Junior Design	2
ME 310	Eng Instru and Exper	3
ME 321	Eng. Thermodynamics II	3
ME ---	ME Tech. Elective I	3
ME 330	Fluid Mechanics	3
ECON 202	Engineering Economics	<u>3</u>
		17

Seventh Semester

ME 325	Heat Transfer	3
ME 410/411	ME Vib/Controls & Lab	4
ME 400	Mechanical Eng Design	2
ME 420	Senior ME Lab I	3
ME ---	ME Tech. Elective II	3
ENG 300	Junior English	<u>3</u>
		18

Eighth Semester

ME 430	Senior ME Lab II	3
ME 412	ME Senior Project	3
ME ---	ME Tech. Elective III	3
Category C	Elective	3
Category E	Elective	3
*Foreign Language		<u>3</u>
		18

Total Hours = 142.5

Notes:

- Each student's transcript must have at least 16 hours of credit in the major taught by a UK faculty member.
- The courses listed may change as the curriculum evolves.
- *Check the undergraduate catalog for the current policies concerning the foreign language course.
- Check the undergraduate catalog for category B, C, E, and F electives.
 - 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

January 21, 2004