



BACHELOR OF Science IN MECHANICAL ENGINEERING

KCTCS transfer plan

KCTCS AS (Pre-Engineering Curriculum)

Course	Course Title	Semester Hours
ENG101	Intro to College Writing I	3
ENG102	Writing in the Disciplines II	3
Oral Communications	Choose <u>one</u> course from this category	3
Heritage	Choose <u>one</u> course from this category	3
Humanities	Choose <u>one</u> course from this category	3
Social and Behavioral Science	Choose <u>one</u> courses from this category other than SOC	3
ECO 202	Principals of Macroeconomics	3
CHE 170	General College Chemistry I	4
CHE 175	General College Chemistry Lab I	1
MAT 175	Calculus I	5
MAT 185	Calculus II	5
MAT 275	Calculus III	4
MAT 285	Differential Equations	3

PHY 231	General University Physics I	4
PHY 232	General University Physics II	4
PHY 241	General University Physics I Lab	1
PHY 242	General University Physics II Lab	1
ELT 103	Intro to Engineering	3
EM 221	Statics	3
EE 210	Circuits and Networks	3.5
FYE 110 or Equivalent		3
	TOTAL	65.5

WKU Classes Required for this Major

Core Components	EM 303, EM 313, ENGR 490, ENGR 491, ME 180, ME 200, ME 220, ME 240, ME 241, ME 310, ME 325, ME 330, ME 332, ME 344, and ME 347	39
ME Technical Electives	Select from: ME 494, 495, 496, 498, 499, ENGR 360, ENGR 400, EE 460, ME 321, PHYS 318	12
Math/Science Elective	Select from: ASTR 214, BIOL 120/121, BIOL 122/123, BIOL 207, CHEM 222/223, PHYS 316, PHYS 318, MATH 305, MATH 307, MATH 310, MATH 370, STAT 301	3
	Additional upper-level elective (300 level or higher) to meet WKU's 42-hour upper-level requirement. One hour is needed if an upper-level course is selected from the math/science elective category or four hours are needed if a lower-level course is selected in the math science elective category.	1-4
	Total	55-58

TOTAL PROGRAM HOURS120.5-123.5

Program Notes: Barring unexpected issues, it is anticipated that students entering WKU in a fall semester with a KCTCS Associates in Science (Pre-engineering, Mechanical Engineering track) can reasonably plan to complete a BSME within 2.5 additional years (Based on prerequisite flow, typical offerings, and preferred course order).

It may be possible to reduce this timeframe with fortuitous summer and winter offerings (assuming all necessary prerequisites are met). SKY students are also welcome to consider dual enrollment before completing their AS to take advantage of such timings.

Last updated 7-24-24