



BACHELOR OF Science IN ELECTRICAL 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

ELT 120 or EM 221	Statics or Digital 1	3
EE 210	Circuits and Networks	3.5
FYE 110 or Equivalent		3
	TOTAL	65.5

WKU Classes Required for this Major

Core Components	CS 239, EE 180 or EM 222, EE 200, EE 211, EE 300, EE 345, EE 380, EE 420, EE 431, EE 460, EE 473, ENGR 490, ENGR 491, STAT 301	41.5
EE Technical Electives		12
Engineering/ Science Elective	ME 220, PHYS 330, ME 240, ME 330, CE 341, CE 342, PHYS 450, PHYS 318, ENGR 400	3
Math Elective	MATH 307, MATH 350, MATH 370	3
	Total	59.5

TOTAL PROGRAM HOURS 125

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

WKU requires a "C" or better in
ENG 101, Oral Communications, MAT 175, MAT 185, MAT 275, MAT 285,
PHYS 231, PHYS 232

Last updated 9-1-21