

Ft Scott Kansas Community College

Transfer Program to University of Kansas

B.S. Mechanical Engineering

Number to call at KU for advising: (785) 864-3181

Website: <http://www.me.engr.ku.edu/>

- Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult KU catalog and seek KU advising early.
- A total of 128 credit hours is required for the B.S. in Mechanical Engineering. The B.S. in Mechanical Engineering is an ABET accredited program. A concentration in Biomechanical is available.
- The last 30 hours of course work must be completed at KU.
- Transfer students will have their applications to the School of Engineering evaluated on a case-by-case basis and must have a minimum GPA of 2.5 to be considered. Admission is selective. Meeting minimum requirements does not guarantee admission.
- Either an ACT Math score of 28 or higher or proof of proficiency in college calculus (grade of “C” or higher) is required for admission.
- The School of Engineering recommends that students apply for transfer admission to KU by May 1 for summer and fall; December 1 for spring.
- Pass/Fail policy: only accepted for KU Core GE 2.1 Written Communication, GE 2.2 Oral Communication, GE 3H Humanities, GE 3S Social Sciences, AE 4.1 Human Diversity, AE 4.2 Global Awareness, and AE 5 Social & Ethical Responsibility. If an Engineering department recommends that certain course work be used to fulfill any of these requirements, those courses must be taken for an “A”-”F” grade.

Requirements:

KU Course Requirements

Ft Scott Equivalents

ENGLISH (2 courses)				<u>Core</u>
ENGL 101 Composition	3		ENG 1013 English	3 GE21
ENGL 102 Critical Reading and Writing	3		ENG 1023 English	3 GE21

MATHEMATICS				<u>Core</u>
MATH 125 Calculus	4		MAT 1015 Analytical Geometry & Calculus	5 GE12
MATH 126 Calculus 2	4		MAT 1025 Analytical Geometry & Calculus 2	5
MATH 127 Calculus 3	4		MAT 2033 Analytical Geometry & Calculus 3	3
MATH S365 Elementary Statistics	3		MAT 2253 Elementary Statistics	3 GE12
MATH 290 Elementary Linear Algebra	2		No equivalent	
MATH 220 Differential Equations	3		No equivalent	

NATURAL SCIENCES				<u>Core</u>
CHEM 130 Chemistry	5		CHE 1015 General Chemistry	5 GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PHS 2015 College Physics: w/Calc	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHS 2025 College Physics 2 w/ Calc	5 GE3N

ECONOMICS- Choose one				<u>Core</u>
ECON 142 Princ of Microeconomics	3		ECO 1013 Microeconomics	3 GE3S
ECON 144 Princ of Macroeconomics	3		ECO 2023 Macroeconomics	3 GE3S

COMMUNICATION				<u>Core</u>
COMS 130 Public Speaking	3		SPE 1093 Public Speaking	3 GE22

ETHICS				<u>Core</u>
PHIL 160 Intro to Ethics	3		No equivalent	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Prn Molecular/Cellular	5		BIO 1225 Princ of Biology	5 GE3N
BIOL 152 Princ of Organismal Biology	5		BIO 1235 Princ of Biology 2	5 GE3N
BIOL 240 Intro to Anatomy	3		BIO 1255 A&P	4
BIOL 246 Intro of Physiology	3		No equivalent	

KU Core Curriculum (additional requirements not covered by degree requirements)

Additional courses that satisfy the KU Core are continuously updated and available at <http://kucore.ku.edu/courses>.

KU Course Requirements

Ft Scott Equivalents

Goal 3: Breadth of Knowledge (3 Units)-one from each category			
Arts & Humanities			GE3H
ART 101 Drawing I	3		ART 1013 Drawing & Composition 3
			ENG 2013 American Literature 3
			ENG 2023 American Literature 2 3
ENGL 211 Intro to Drama			ENG 2213 Intro To Literature: Drama 3
ENGL 210 Intro to Poetry			ENG 2223 Intro To Literature: Poetry 3
			ENG 2233 Intro To Lit: American Fiction 3
			ENG 2253 Intro To Lit: Short Story 3
			HIS 2703 Native American History 3
			REL 1043 Life & Thought of Paul 3
REL 104 Intro to Religious Studies	3		REL 1093 Religions of Mankind 3
			REL 1073 Old Testament Life Heritage 3
PHIL 140 Intro to Philosophy	3		PHI 1113 Philosophy Of Life 3
PHIL 148 Reason and Argument	3		PHI 1113 Classical Formal Logic 3
THR 100 Intro to Theatre	3		DRA 1313 Theater Appreciation 3
THR 106 Intro to Acting	3		DRA 1013 Acting 3
HA 150 Western Art History	3		ART 1743 Art History 3
HIST 128 Hist US thrgh Civil War	3		HIS 1013 United States History 3
HIST 129 Hist of US After Civil War	3		HIS 1023 United States History 2 3
			HIS 2013 History of Civilization 3
			HIST 2023 History of Civilization 2 3
HSES 244 Foundations of Physical Education	3		PHE 1013 Intro to Physical Education 3

Goal 4: Culture and Diversity (2 Units)			
Outcome 1			AE41
SOC 104 Elements of Sociology	3		SOC 1013 Sociology 3
SOC 160 Social Problems and American Values	3		SOC 1023 Social Problems 3
SOC 220 Sociology of Families	3		SOC 2223 Marriage and Family 3
WGSS 101 Women, Gender, and Sexuality Studies	3		SOC 2253 Women in Society 3
AAAS 106 The Black Experience in America	3		HIS 2033 History African American 3
Outcome 2			AE42
REL 104 Intro to Religious Studies	3		REL 1093 Religions of Mankind 3
GEOG 100 World Regional Geography	3		GEO 1023 World Regional Geography 3
HA 150 Western Art History	3		ART 1743 Art History 3
			HIS 2703 History of Native Americans 3
			REL 1093 Religions of Mankind 3
ANTH 108 Cultural Anthropology	3		SOC 1113 Cultural Anthropology 3

- In order to graduate in four years, a student must transfer to KU after one year
- Pass/Fail Policy. Only courses used to fulfill English, Humanities, and Social Science requirements will be accepted with a "P" grade
- *PHSX 211 satisfies the PHSX 210 requirement for Engineering at KU
- "S" before a number (Ex. MATH S365) indicates the course will be satisfied but will not count toward the number of Junior/Senior (upper-level) hours required for graduation
- The requirements listed above are subject to annual change
- A maximum of 64 hours of community college course work can be applied toward a KU degree

- Courses with a grade of D or below do not transfer