

Ft Scott Kansas Community College

Transfer Program to University of Kansas

Architecture, Civil and Environmental Engineering

Number to call at KU for advising: (785) 864-3766

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

Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult the KU catalog and seek KU advising early.

Transfer students must have at least a 2.5 GPA and proof of competency in Calculus.

Requirements (all students):

Architectural Engineering:

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 220 Differential Equations	3		No equivalent	
MATH 290 Elementary Linear Algebra	2		No equivalent	

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

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

Civil Engineering:

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 220 Differential Equations	3		No equivalent	
MATH 290 Elementary Linear Algebra	2		No equivalent	

NATURAL SCIENCES				<u>Core</u>
PHSX 211 & 216 Engineering Physics	5		PHS 2015 College Physics: w/Calc	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics			PHS 2025 College Physics 2 w/ Calc	GE3N
Chemistry: Students may take the 2 courses below or wait and take CHEM 150 Chemistry for Engineers at KU				
CHEM 130 Chemistry	5		CHE 1015 General Chemistry	5 GE12, GE3N

Ft Scott Community College Architectural/Civil/Environmental Engineering ~updated April 28, 2015

CHEM 135 Chemistry 2	5	CHE 1025 General Chemistry 2	5	GE3N
Choose One:				
CHEM S330 & S331 Organic Chemistry	5	CHE 2035 Organic Chemistry	5	
GEOG 104 & 105 Princ Physic Geography		GEO 1013 Principles Of Geography (must take lab at KU)	5	GE3N
GEOL 101 How the World Works	3	No equivalent		GE3N

COMMUNICATION				Core
COMS 130 Public Speaking	3	SPE 1093 Public Speaking	3	GE22

ECONOMICS -Choose one:				Core
ECON 142 Princ of Microeconomics	3	ECO 1013 Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3	ECO 2023 Macroeconomics	3	GE3S

Civil Engineering (Environmental Concentration):

The courses listed below are **REQUIRED**. These courses **MAY** be taken to complete the **KU CORE**, but if they are not, this additional coursework is necessary to complete degree requirements. 132 hours are required for a degree.

KU Course Requirements

Ft Scott Equivalents

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

MATHEMATICS				Core
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 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		

NATURAL SCIENCES				Core
PHSX 211 & 216 Engineering Physics	5	PHS 2015 College Physics: w/Calc	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics		PHS 2025 College Physics 2 w/ Calc		GE3N
Choose One:				
BIOL 200 Microbiology	3	BIO 1245 Microbiology	5	GE3N
ATMO 105 Meteorology	5	No equivalent		GE3N
GEOL 101 How the World Works	3	No equivalent		GE3N

COMMUNICATION				Core
COMS 130 Public Speaking	3	SPE 1093 Public Speaking	3	GE22

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 (Not needed for Architectural Eng.)			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
Social Sciences (Not needed for Civil Engineering)		GE3S	
COMS 244 Intr Personal Comm	3	SPE 2013 Interpersonal Communication	3
ECON 142 Princ of Microeconomics	3	ECO 1013 Microeconomics	3
ECON 144 Princ of Macroeconomics	3	ECO 2023 Macroeconomics	3
POLS 110 Intro to US Politics	3	POL 1013 American Government	3
PSYC 104 General Psychology	3	PSY 1013 General Psychology	3
		PSY 1023 Developmental Psychology	3
SOC 104 Elements of Sociology	3	SOC 1013 Sociology	3
SOC 220 Sociology of Families	3	SOC 2223 Marriage & The Family	3
ANTH 108 Cultural Anthropology	3	SOC 1113 Cultural Anthropology	3
EPSY S305 Dev and Learning of the Young Child	3	PSY 2243 Child Psychology	3
WGSS 101 Women, Gender and Sexuality Studies	3	SOC 2253 Women in Society	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 (Not needed for Architectural Eng.)		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