

Fort Scott Community College

Transfer Program to University of Kansas

B.S. in Aerospace Engineering

Number to call at KU for advising: (785) 864-4267

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

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.

Aerospace Engineering Requirements:

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 290 Elementary Linear Algebra	2		No equivalent		
MATH 220 Differential Equations	3		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	4		PHS 2025 College Physics 2 w/ Calc	5	GE3N
CHEM 130 Chemistry	5		CHE 1015 General Chemistry	5	GE12, GE3N

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

Humanities and Social Sciences depth requirement:

When Choosing Core Courses **TWO** courses must be from the same KU Department. This can be accomplished within the core outcomes: **GE3H, GE3S, AE41 and AE42**. For example: *PHIL 160 (AE41) and PHIL 140 (GE3H)*

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
			HIIST 2023 History of Civilization 2	3
HSES 244 Foundations of Physical Education	3		PHE 1013 Intro to Physical Education	3
Social Sciences			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 (One Unit from each outcome)				
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