

Independence 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

Independence Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3		ENG 1003 or 1005 English Composition	3 GE21
ENGL 102 Critical Reading and Writing	3		ENG 1013 English Composition 2	3 GE21

MATHEMATICS				Core
MATH 125 Calculus	4		MAT 1055 Analytic Geometry & Calculus	5 GE12
MATH 126 Calculus 2	4		MAT 2025 Analytic Geometry & Calculus 2	5
MATH 127 Calculus 3	4		MAT 2033 Analytic 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 2055 Engineering Physics	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics			PHS 2065 Engineering Physics 2	GE3N
CHEM 130 Chemistry	5		PHS 1025 College Chemistry	5 GE12, GE3N

ECONOMICS- Choose one				Core
ECON 142 Princ of Microeconomics	3		BUS 2023 Microeconomics	3 GE3S
ECON 144 Princ of Macroeconomics	3		BUS 2033 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

Independence Equivalents

Goal 2: Communication (3 Units) -two from outcome 1 and one from outcome 2				
Outcome 1			GE21	
ENGL 101 Composition	3		ENG 1003 English Composition	3
ENGL 101 Composition	3		ENG 1005 English Composition	3
ENGL 102 Critical Reading and Writing	3		ENG 1013 English Composition 2	3
ENGL 211 Intro to Drama	3		ENG 2043 Intro Dramatic Literature	3
Outcome 2			GE22	
COMS 130 Speaker-Audience Communication	3		COM 1203 Speech	3

Goal 3: Breadth of Knowledge (3 Units) -one from each category				
Arts & Humanities			GE3H	
ANTH 110 Intro to Archaeology	3		SOC 1053 Intro to Archaeology	3

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HIST 121 Modern Latin America	3		SOC 2083 Modern Latin America	3
ART 101 Drawing I	3		AED 1023 Drawing and Composition	3
HA 100 Intro to Western Art History	3		AED 1043 Art Appreciation	3
PHMD 101 Fundamentals of Photography	3		COM 1403 Photo I	3
			ENG 1083 American Literature	3
			ENG 2113 American Literature 2	3
			ENG 2083 Contemporary Dramatic Literature	3
			ENG 2073 Introduction to Modern Novel	3
			ENG 2123 British Literature	3
			ENG 2133 British Literature 2	3
			ENG 2143 Survey of Black Literature	3
			ENG 2163 Inge and Contemporary Playwrights	3
ENGL 211 Intro to Drama	3		ENG 2043 Intro Dramatic Literature	3
REL 104 Intro to Religious Studies	3		REL 1000 World Religions	3
			REL 1003 Old Testament History	3
			REL 1013 New Testament History	3
PHIL 140 Intro to Philosophy	3		SOC 2003 Intro To Philosophy	3
PHIL 148 Reason and Argument	3		SOC 2073 Logic and Classical Reasoning	3
PHIL 160 Intro to Ethics	3		SOC 1073 Ethics	3
THR 100 Intro to Theatre	3		THR 1013 Theatre Appreciation	3
THR 106 Intro to Acting	3		THR 1023 Introduction to Acting	3
HIST 128 Hist US thrgh Civil War	3		HIS 1023 United States History (1850-1930)	3
HIST 129 Hist of US After Civil War	3		HIS 1063 United States Hist (Contemp)	3
			HIS 1003 History of Early Civilization	3
			HIS 1013 History of Modern Civilization	3
HSES 244 Intro Phys Ed and Sport Studies	3		PED 1713 Intro to Physical Education	3
Social Sciences			GE3S	
EPSY S305 Dev and Learning of Young Child	3		BEH 1013 Child Psychology	3
			POL 1013 Intro to Political Science	3
COMS 244 Intr Personal Comm	3		COM 1233 Interpersonal Communication	3
ECON 142 Princ of Microeconomics	3		BUS 2023 Microeconomics	3
ECON 144 Princ of Macroeconomics	3		BUS 2033 Macroeconomics	3
POLS 110 Intro to US Politics	3		POL 1023 American Government	3
PSYC 104 General Psychology	3		BEH 1003 General Psychology	3
			BEH 2003 Developmental Psychology	3
SOC 104 Elements of Sociology	3		SOC 1003 Introduction to Sociology	3
SOC 220 Sociology of Families	3		SOC 1013 Sociology of Families	3
ANTH 100 General Anthropology	3		SOC 1023 Anthropology	3
SW 220 Social Work, Soc Welfare and US society	3		SOC 1213 Intro to Social Work	3
POLS 170 Intro to International Politics	3		POL 1043 International Politics	3

Goal 4: Culture and Diversity (1 Unit from each outcome)

Outcome 1			AE41	
SOC 160 Intro to Social Problems	3		SOC 2023 Social Problems	3
SOC 104 Elements of Sociology	3		SOC 1003 Introduction to Sociology	3
SOC 220 Sociology of Families	3		SOC 1013 Sociology of Families	3
AAAS 106 Black Experience in Americas	3		HIST 1163 African American History	3
			ENG 2143 Survey of Black Literature	3
Outcome 2			AE42	
HA 100 Intro to Western Art History	3		AED 1043 Art Appreciation	3
			HIS 1003 History of Early Civilization	3
ANTH 100 General Anthropology	3		SOC 1023 Anthropology	3
REL 104 Intro to Religious Studies	3		REL 1000 World Religions	3
GEOG 100 World Regional Geography	3		SOC 2013 World Regional Geography	3
SPAN 212 Intermediate Spanish	3		FRL 2035 Spanish 3	5
SPAN 216 Intermediate Spanish 2	3		FRL 2043 Spanish 4	3
POLS 170 Intro to International Politics	3		POL 1043 International Politics	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