

Independence 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

Independence Equivalent

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 S365 Elementary Statistics	3	MAT 1103 Elementary Stats	3	GE12
MATH 290 Elementary Linear Algebra	2	No equivalent		
MATH 220 Differential Equations	3	No equivalent		

NATURAL SCIENCES				Core
CHEM 130 Chemistry	5	PHS 1025 College Chemistry	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5	PHS 2055 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PHS 2065 Engineering Physics 2	5	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

COMMUNICATION				Core
COMS 130 Public Speaking	3	COM 1203 Speech	3	GE22

ETHICS				Core
PHIL 160 Intro to Ethics	3	SOC 1073 Ethics	3	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Prn Molecular/Cellular	5		BIO 1115 Biology : Cell & Molecular	5 GE3N
BIOL 152 Princ of Organismal Biology	5		BIO 2115 Biology: Organismal Biology	5 GE3N
BIOL 240 Intro to Anatomy	3		BIO 2045 A&P	5
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

Independence Equivalents

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
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

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