

Garden City 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

Garden City Equivalents

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

MATHEMATICS					<u>Core</u>
MATH 125 Calculus	4		MATH 122 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 123 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		MATH 205 Calculus and Analytical Geometry 3	5	
MATH S365 Elementary Statistics	3		MATH 110 Fundamentals of 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		CHEM 109 College Chemistry	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PHYS 207 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	5		PHYS 208 Engineering Physics 2	5	GE3N

ECONOMICS- Choose one					<u>Core</u>
ECON 142 Princ of Microeconomics	3		ECON 112 Economics: Micro	3	GE3S
ECON 144 Princ of Macroeconomics	3		ECON 111 Economics: Macro	3	GE3S

COMMUNICATION					<u>Core</u>
COMS 130 Public Speaking	3		SPCH 111 Public Speaking I	3	GE22

ETHICS					<u>Core</u>
PHIL 160 Intro to Ethics	3		PHIL 102 Elementary Ethics	3	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Prn Molecular/Cellular	5		No equivalent	GE3N
BIOL 152 Princ of Organismal Biology	5		BIOL 207 Organismal Biology	GE3N
BIOL 240 Intro to Anatomy	3		BIOL 211 A&P	4
BIOL 246 Intro of Physiology	3		BIOL 212 A&P 2 (must take BIOL 211 & 212)	4

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>.

Goal 3: Breadth of Knowledge (3 Units) -one from each category				
Arts & Humanities		GE3H		
			LITR 212 English Literature	3
			LITR 225 Ethnic Minority Literature US 1920+	3
			LITR 230 Understanding Old Testament	3
			LITR 231 Understanding New Testament	3
			LITR 213 English Literature 2	3
			LITR 215 American Literature	3
			LITR 216 American Literature 2	3
			LITR 253 World Lit & Human Experience	3
			ARTS 121 History Of World Art	3
ART 101 Drawing I	3		ARTS 1013 Drawing I	3
PHIL 140 Intro to Philosophy	3		PHIL 101 Intro To Philosophy	3
PHIL 148 Reason and Argument	3		PHIL 103 Logic	3
PHIL 160 Intro to Ethics	3		PHIL 102 Elementary Ethics	3
THR 215 Approaching Design	3		DRAM 142 Stagecraft II	3
THR 100 Intro to Theatre	3		DRAM 150 Intro To Theatre	3
THR 106 Intro to Acting	3		DRAM 111 Acting I	3
			DRAM 120 Drama History and Literature	3
HIST 128 Hist US thrgh Civil War	3		HIST 103 American History To 1865	3
HIST 129 Hist of US After Civil War	3		HIST 104 American History Since 1865	3
HSES 244 Foundations of Phys Ed	3		HPER 291 Hist and Prin of Phys Ed	3

Goal 4: Culture and Diversity (1 Unit from each outcome)				
Outcome 1		AE41		
SOC 104 Elements of Sociology	3		SOCI 102 Intro To Sociology	3
SOC 160 Intro to Social Problems	3		SOCI 204 Social Problems	3
SOC 220 Sociology of Families	3		SOCI 113 Sociology of Families	3
WGSS 101 Women, Gender and Sexuality Studies	3		HUMA 150 Women's Studies	3
Outcome 2		AE42		
GEOG 100 World Regional Geography	3		GEOG 101 World Geography	3
ANTH 108 Intro to Cultural Anthropology	3		SOCI 105 Intro to Anthropology	3
			LITR 225 Ethnic Minority Literature US 1920+	3
			LITR 253 World Literature and Human Experience	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