

Dodge 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

Dodge City Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3	ENG 102 or 150 English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3	ENG 103 or 151 English Composition 2	3	GE21

MATHEMATICS				Core
MATH 125 Calculus	4	MATH 120 Analytic Geom & Calc	5	GE12
MATH 126 Calculus 2	4	MATH 221 Analytic Geom & Calc 2	5	
MATH 127 Calculus 3	4	MATH 222 Analytic Geom & Calc 3	5	
MATH S365 Elementary Statistics	3	MATH 230 Elementary Statistics	3	GE12
MATH 290 Elementary Linear Algebra	2	No equivalent		
MATH 220 Differential Equations	3	No equivalent		

NATURAL SCIENCES				Core
CHEM 130 Chemistry	5	CHEM 111 or 211 College Chem	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5	PHYS 231 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PHYS 233 Engineering Physics 2	5	GE3N

ECONOMICS- Choose one				Core
ECON 142 Princ of Microeconomics	3	ECON 102 Prin Of Econ : Microecon	3	GE3S
ECON 144 Princ of Macroeconomics	3	ECON 101 Prin Of Econ : Macroecon	3	GE3S

COMMUNICATION				Core
COMS 130 Public Speaking	3	SP 106 Public Speaking	3	GE22

ETHICS				Core
PHIL 160 Intro to Ethics	3	PHIL 202 Intro to Ethics	3	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Pm Molecular/Cellular	5		BIO 111 or 102 Cellular Biology and Genetics/Princ Bio	5 GE3N
BIOL 152 Princ of Organismal Biology	5		No equivalent	GE3N
BIOL 240 Intro to Anatomy	3		No equivalent	
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

Dodge City Equivalents

Goal 3: Breadth of Knowledge (3 Units) -one from each category				
Arts & Humanities			GE3H	
			ART 101 Art Appreciation	3
ART 101 Drawing I			ART 110 Drawing I	3
PHMD 101 Fundamentals of Photography	3		ART 117 Photography I	3-4
	3		ENG 206 World Literature	3
			ENG 204 English Literature	3
			ENG 205 English Literature 2	3
			ENG 209 American Literature	3
			ENG 210 American Literature	3
			RS 101 Old Testament Survey	3
HA 150 Western Art History I	3		ART 150 Survey of Art History	3
			RS 102 New Testament Survey	3
PHIL 140 Intro to Philosophy	3		PHIL 201 Intro To Philosophy	3
PHIL 160 Intro to Ethics	3		PHIL 202 Intro to Ethics	3
			ART 132 History and Criticism of Art	3
			HIST 120 World History to 1500	3
			HIST 121 World History from 1500	
HIST 128 Hist US thrgh Civil War	3		HIST 101 American History	3
HIST 129 Hist of US After Civil War	3		HIST 102 American History 2	3
HSES 244 Intro to Phys Ed and Sport Studies	3		PE 114 Intro Health, PE and Recreation	3

Goal 4: Culture and Diversity (One Unit from each outcome)				
Outcome 1			AE41	
SOC 104 Elements of Sociology	3		SOC 101 Principles Of Sociology	3
SOC 160 Intro to Social Problems	3		SOC 201 Social Problems	3
SOC 220 Sociology of Families	3		SOC 203 Sociology of Families	3
MUSC 298 Introduction to Jazz	3		MUS 225 A Study of Jazz	3
Outcome 2			AE42	
			ENG 206 World Literature	3
GEOG 100 World Regional Geography	3		GEO 101 Geography	3
SPAN 212 Intermediate Spanish	3		LANG 203 Intermediate Spanish	3
SPAN 216 Intermediate Spanish 2	3		LANG 204 Intermediate Spanish 2	3
GERM 104 Elementary German	5		LANG 120 Elementary German	3
GERM 108 Elementary German 2	5		LANG 121 Elementary German 2	3
ANTH 100 General Anthropology	3		ANTH 111 Anthropology	3
HA 150 Western Art History	3		ART 150 Survey of Art History	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