

Highland 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

Highland Equivalents

ENGLISH (2 courses)				Core
ENGL 101 Composition	3		ENG 101 College English I	3 GE21
ENGL 102 Critical Reading and Writing	3		ENG 102 College English II	3 GE21

MATHEMATICS				Core
MATH 125 Calculus	4		MAT 106 Calculus	5 GE12
MATH 126 Calculus 2	4		MAT 110 Calculus 2	5
MATH 127 Calculus 3	4		MAT 201 Calculus 3	3
MATH S365 Elementary Statistics	3		No equivalent	GE12
MATH 290 Elementary Linear Algebra	2		No equivalent	
MATH 220 Differential Equations	3		No equivalent	

NATURAL SCIENCES				Core
CHEM 130 Chemistry	5		PS 111 College Chemistry	5 GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PS 215 College Physics	5 GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PS 216 College Physics 2	5 GE3N

ECONOMICS- Choose one				Core
ECON 142 Princ of Microeconomics	3		BUS 204 Microeconomics	3 GE3S
ECON 144 Princ of Macroeconomics	3		BUS 203 Macroeconomics	3 GE3S

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

ETHICS				Core
PHIL 160 Intro to Ethics	3		PHI 102 Intro to 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		No equivalent	GE3N
BIOL 240 Intro to Anatomy	3		BS 104 Human Anatomy	4
BIOL 246 Intro of Physiology	3		BS 105 Physiology	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>.

KU Course Requirements

Highland Equivalents

Goal 3: Breadth of Knowledge (3 Units) –one from each category				
Arts & Humanities			GE3H	
HA 150 History of Western Art	3		A 201 Art History	3
			A 101 Art Appreciation	3
ART 101 Drawing I	3		A 107 Drawing I	3
ANTH 110 Intro to Archaeology	3		ANT 100 Intro to Archaeology	3
			ENG 202 American Literature I	3
			ENG 207 Narrative Film	3
			ENG 208 Intro To The Short Story	3
			ENG 209 American Literature II	3
			ENG 210 World Literature I	3
			ENG 211 World Literature II	3
			ENG 212 English Literature I	3
			ENG 213 English Literature II	3
			ENG 205 Old Testament Literature	3
			M 103 Music History and Appreciation	3
			M 223 History of Jazz	3
HSES 244 Physical Ed and Sport Studies	3		PE 123 Principles of Education	3
HSES 244 Physical Ed and Sport Studies	3		PE 111 History/Principles of Physical Education	3
			PHI 105 Religions Of The World	3
PHIL 140 Intro to Philosophy	3		PHI 101 Introduction To Philosophy	3
PHIL 160 Intro to Ethics	3		PHI 102 Intro to Ethics	3
PHMD 101 Fundamentals of Photography	3		PHO 101 Basic Photography	3
THR 100 Intro to Theatre	3		TH 105 Intro To Dramatics	3
			TH 108 History & App Of Theatre Arts	3
THR 106 Intro to Acting	3		TH 110 Acting I	3
HIST 128 Hist US thrgh Civil War	3		HIS 101 United States History I	3
HIST 129 Hist of US After Civil War	3		HIS 102 United States History II	3

Goal 4: Culture and Diversity (1 Unit from each outcome)				
Outcome 1			AE41	
SOC 160 Intro to Social Problems	3		SOC 210 Social Problems	3
SOC 110 American Identities	3		SOC 106 Diversity and Inclusiveness	3
SOC 104 Elements of Sociology	3		SOC 101 General Sociology	3
Outcome 2			AE42	
HA 150 History of Western Art	3		A 201 Art History	3
ANTH 100 General Anthropology	3		ANTH 112 General Anthropology	3
GEOG 100 World Regional Geography	3		GEO 212 World Regional Geography	3
			M 162 World Music	3
			PHI 105 Religions Of The World	3
HWC 204 Western Civilization	3		HIS 204 or 103 Readings in Western Civ	3
HWC 205 Western Civilization 2	3		HIS 205 Readings in Western Civ 2	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