

Hutchinson 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

Hutchinson Equivalents

ENGLISH (2 courses)					<u>Core</u>
ENGL 101 Composition	3		EN 100 or 101 or 103H English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		EN 102 or 102H English Comp 2	3	GE21

MATHEMATICS					<u>Core</u>
MATH 125 Calculus	4		MA 111 or 112H Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MA 113 or 114H Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		MA 201 or 202H Calculus and Analytical Geometry 3	5	
MATH S365 Elementary Statistics	3		MA 108 Elements 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		CH 105 or 110H Chemistry	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PY 201 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PY 201 Engineering Physics	5	GE3N

ECONOMICS- Choose one					<u>Core</u>
ECON 142 Princ of Microeconomics	3		EC 101 or 101H Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3		EC 100 or 100H Macroeconomics	3	GE3S

COMMUNICATION					<u>Core</u>
COMS 130 Public Speaking	3		SH 101 Public Speaking	3	GE22

ETHICS					<u>Core</u>
PHIL 160 Intro to Ethics	3		PL 104 Ethics	3	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Prn Molecular/Cellular	5		BI 104 Biology I	5 GE3N
BIOL 152 Princ of Organismal Biology	5		BI 105/105H Biology 2	5 GE3N
BIOL 240 Intro to Anatomy	3		BI 103 Human Anatomy	4
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**Hutchinson Equivalents**

Goal 3: Breadth of Knowledge (3 Units) –one from each category				
Arts & Humanities			GE3H	
CLSX 148 Greek and Roman Mythology	3		EN 121 World Mythology	3
			EN 202 British Literature	3
			EN 202H British Literature Honors	3
			EN 203 British Literature 2	3
			EN 203H British Literature 2 Honors	3
			EN 204 American Literature	3
			EN 204H American Literature Honors	3
			EN 205 American Literature 2	3
			EN 205H American Literature 2 Hnrs	3
			EN 206 Contemporary Literature	3
			EN 207 Introduction to Shakespeare	3
			EN 215 Medieval Literature	3
			EN 215H Medieval Literature	3
			AR 103 History Of American Art	3
			RE 101 New Testament Literature	3
			RE 102 Old Testament Literature	3
REL 104 Intro to Religious Studies	3		RE 106 Intro To World Religions	3
HA 261 Intro to Modern Art	3		AR 102 History of Modern Art	3
HA 150 Western Art History	3		AR 104 Art History Paleolithic to Medieval	3
ART 101 Drawing	3		AR 110 Drawing I	3
ART 132 Fundamentals of Metalsmithing/Jewelry	3		AR 126 Jewelry Design	3
PHIL 140 Intro to Philosophy	3		PL 101 Intro To Philosophy	3
PHIL 148 Reason and Argument	3		PL 103 Introductory Logic	3
PHIL 160 Intro to Ethics	3		PL 104 Ethics	3
THR 100 Intro to Theatre	3		TH 115 Theatre Appreciation	3
THR 106 Intro to Acting	3		TH 116 Introduction to Acting	3
THR 215 Approaching Design	3		TH 117 Stage Design	3
HIST 128 Hist US thrgh Civil War	3		HI 101/101H American History 1492-1865	3
HIST 129 Hist of US After Civil War	3		HI 102 /102H American History 1865 – Present	3
			HI 103 World History to 1600	3
			HI 104 World History since 1600	3
HIST 115 Europe 1789-present	3		HI 106 European History 1815-present	3
			MU 102 Introduction to Music Literature	3
			MU 208 History of Art Music of the Western World	3
HSES 244 Intro to Phys Ed and Sport Studies	3		PE 101 Intro to Physical Education	3
			SP 203 Intro to Spanish Literature	3

Goal 4: Culture and Diversity (1 Unit from each outcome)				
Outcome 1			AE41	
SOC 160 Intro to Social Problems	3		SO 201 Social Problems	3
SOC 104 Elements of Sociology	3		SO 100 or 100H Fundamentals Of Sociology	3
MUSC 298 Intro to Jazz	3		MU 127 Intro Jazz & Jazz/Rock	3
Outcome 2			AE42	

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GEOG 100 World Regional Geography	3	GE 101 World Geography	3
ANTH 108 Cultural Anthropology	3	SO 111 Cultural Anthropology	3
SOC 130 Comparative Societies	3	SO 113 Cultural Diversity	3
HA 150 Western Art History I	3	AR 104 Art History Paleolithic to Medieval	3
SPAN 212 Intermediate Spanish	3	SP 202 Spanish Comp & Conversation	3
GERM 104 Elementary German	5	GR 102 Elementary German 2	3
GERM 108 Elementary German 2	5	GR 103 Elementary German 3	3
POLS 170 Intro to International Politics	3	GO 102 International Relations	3
REL 104 Intro to Religious Studies	3	RE 106 Intro To World Religions	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