

Cowley County 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

Cowley Equivalents

ENGLISH (2 courses)					<u>Core</u>
ENGL 101 Composition	3		ENG 2211 Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		ENG 2212 Composition 2	3	GE21

MATHEMATICS					<u>Core</u>
MATH 125 Calculus	4		MTH 4435 Analytical Geometry & Calculus	5	GE12
MATH 126 Calculus 2	4		MTH 4440 Analytical Geometry & Calculus 2	5	
MATH 127 Calculus 3	4		MTH 4455 Analytical Geometry & Calculus 3	5	
MATH S365 Elementary Statistics	3		MTH 4423 Elementary 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		CHM 4220 Chemistry	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PHS 4560 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHS 4561 Engineering Physics 2	5	GE3N

ECONOMICS- Choose one					<u>Core</u>
ECON 142 Princ of Microeconomics	3		ECO 6114 Prin Of Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3		ECO 6113 Prin Of Macroeconomics	3	GE3S

COMMUNICATION					<u>Core</u>
COMS 130 Public Speaking	3		COM 2711 Speech	3	GE22

ETHICS					<u>Core</u>
PHIL 160 Intro to Ethics	3		PHO 6460 Ethics	3	AE51, GE11, GE3H

Biomedical Subplan additional course:

Choose One:				
BIOL 150 Prn Molecular/Cellular	5		BIO 4125 General Biology	5 GE3N
BIOL 152 Princ of Organismal Biology	5		BIO 4135 General Biology 2	5 GE3N
BIOL 240 Intro to Anatomy	3		BIO 4148 Human Anatomy	4
BIOL 246 Intro of Physiology	3		BIO 4149 Physiology (must take BIO 4148+4149)	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

Cowley Equivalents

Goal 3: Breadth of Knowledge (3 Units) -one from each category

Arts & Humanities			GE3H	
ANTH 110 Intro to Archaeology	3		ANT 6920 Intro To Archaeology	3
	3		LIT 2531 African-American Literature	3
			LIT 2550 American Literature	3
			LIT 2551 American Literature 2	3
			LIT 2560 English Literature	3
			LIT 2561 English Literature 2	3
			LIT 2563 Gender/Genre Literature	3
			LIT 2567 Native American Literature	3
ENGL 211 Intro to Drama	3		LIT 2565 Dramatic Literature	3
REL 104 Intro to Religions	3		REL 6430 Comparative Religions	3
			REL 6432 Survey Of The Old Testament	3
			REL 6434 Survey Of The New Testament	3
PHIL 140 Intro to Philosophy	3		PHO 6447 Intro To Philosophy	3
PHIL 160 Ethics	3		PHO 6460 Ethics	3
THR 100 Intro to Theatre	3		THE 2730 Theatre Appreciation	3
THR 106 Intro to Acting	3		THE 2735 Acting	3
REL 104 Intro to Religious Studies	3		REL 6430 Comparative Religions	3
HA 150 Western Art History	3		ART 2141 Art History	3
HIST 128 Hist US thrgh Civil War	3		HIS 6411 U.S. History To 1877	3
HIST 129 Hist of US After Civil War	3		HIS 6412 U.S. History Since 1865	3
			HIS 6420 World History	3
			HIS 6421 World History 2	3
HSES 244 Intro to Physical Ed and Sport Science	3		HPE 6311 Intro to Physical Education	3

Goal 4: Culture and Diversity (One Unit from each outcome)

Outcome 1			AE41	
SOC 104 Elements of Sociology	3		SOC 6811 Principles Of Sociology	3
SOC 160 Social Problems and American Values	3		SOC 6916 Social Problems	3
Outcome 2			AE42	
ANTH 108 Intro to Cultural Anthropology	3		ANT 6911 Cultural Anthropology	3
GEOG 102 Princ of Human Geography	3		GEG 6120 Principles Of Geography	3
REL 104 Intro to Religious Studies	3		REL 6430 Comparative Religions	3
			REL 6430 Comparative Religions	3
			LIT 2567 Native American Literature	3
			LIT 2531 African-American Literature	3
HA 150 Western Art History I	3		ART 2141 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
- Courses with a grade of D or below do not transfer