

# Colby 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**

#### **Colby Equivalents**

<b>ENGLISH (2 courses)</b>					<u>Core</u>
ENGL 101 Composition	3		EN 176 English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		EN 177 English Composition 2	3	GE21

<b>MATHEMATICS</b>					<u>Core</u>
MATH 125 Calculus	4		MA 220 Analytical Geometry & Calculus	5	GE12
MATH 126 Calculus 2	4		MA 230 Analytical Geometry & Calculus	5	
MATH 127 Calculus 3	4		MA 240 Analytical Geometry & Calculus	5	
MATH S365 Elementary Statistics	3		MA 205 Elements of Statistics	3	GE12
MATH 290 Elementary Linear Algebra	2		No equivalent		
MATH 220 Differential Equations	3		No equivalent		

<b>NATURAL SCIENCES</b>					<u>Core</u>
CHEM 130 Chemistry	5		CH 177 Chemistry (w/lab)	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5		PH 208 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PH 228 Engineering Physics 2	5	GE3N

<b>ECONOMICS- Choose one</b>					<u>Core</u>
ECON 142 Princ of Microeconomics	3		ECON 230 Economics	3	GE3S
ECON 144 Princ of Macroeconomics	3		ECON 231 Economics 2	3	GE3S

<b>COMMUNICATION</b>					<u>Core</u>
COMS 130 Public Speaking	3		SP 101 or 176 Fundamentals Of Oral Com	3	GE22

<b>ETHICS</b>					<u>Core</u>
PHIL 160 Intro to Ethics	3		PI 276 Introduction 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		BI 276 Human Anatomy	4
BIOL 246 Intro of Physiology	3		BI 277 Physiology (must take BI 276+277)	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**

### **Colby Equivalents**

<b>Goal 3: Breadth of Knowledge (3 Units) –one from each category</b>				
<b>Arts &amp; Humanities</b>			<b>GE3H</b>	
			AR 175 Art Appreciation	3
ART 101 Drawing I	3		AR 103 Drawing I	3
REL 104 Intro to Religious Studies	3		RE 104 World Religions	3
			LI 176 World Literature	3
			EN 202 American Literature	3
			EN 203 American Literature 2	3
			EN 211 American Frontier Literature	3
			EN 215 American Short Story	3
			EN 217 Bible as Literature	3
			RE 104 World Religions	3
ENGL 211 Intro to Drama	3		DR 208/EN 208 Intro To Dramatic Lit	3
PHIL 140 Intro to Philosophy	3		PI 101 Introduction To Philosophy	3
PHIL 148 Reason and Argument	3		PI 200 Philosophical Thought and Logic	3
PHIL 160 Ethics	3		PI 276 Intro to Ethics	3
THR 100 Intro to Theatre	3		DR 120 Theatre Appreciation	3
HA 150 Western Art History	3		AR 176 Art History	3
HIST 128 Hist US through Civil War	3		HI 176 American History To 1865	3
HIST 129 Hist of US After Civil War	3		HI 177 American History 1865 To Pres	3
HIST 115 Europe 1789-present	3		HI 122 Contemporary European History	3
			HI 140 History of Classical Cultures	3
			HI 104 World Civilization I	3
			HI 204 World Civilization II	3
HSES 244 History and Foundations of Physical Education	3		PE 198 History and Fdns of PE	3

<b>Goal 4: Culture and Diversity (One Unit from each outcome)</b>				
<b>Outcome 1</b>			<b>AE41</b>	
SOC 104 Elements of Sociology	3		SO 176 Intro To Sociology	3
SOC 160 Social Problems and American Values	3		SO 186 Social Problems	3
SOC 220 Sociology of Families	3		SO 182 Sociology of Families	3
WGSS 101 Intro to Women, Gender and Sexuality St	3		SO 185 Women's Studies	3
<b>Outcome 2</b>			<b>AE42</b>	
			AR 101 Art Survey	3
HA 150 Western Art History I	3		AR 176 Art History I	3
REL 104 Intro to Religious Studies	3		RE 104 World Religions	3
GEOG 100 World Regional Geography	3		GE 176 World Regional Geography	3
ANTH 108 Cultural Anthropology	3		AN 177 Cultural Anthropology	3
			AN 176 Native American Cultures	3
			LI 176 World Literature	3
			RE 104 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