

# Cloud 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**

#### **Cloud Equivalents**

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

<b>MATHEMATICS</b>				<u>Core</u>
MATH 125 Calculus	4	MA 120 Analytic Geometry and Calculus	5	GE12
MATH 126 Calculus 2	4	MA 121 Analytic Geometry and Calculus 2	5	
MATH 127 Calculus 3	4	MA 122 Analytic Geometry and Calculus 3	3	
MATH S365 Elementary Statistics	3	MA 114 Elementary 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	SC 131 Chemistry	5	GE3N, GE12
PHSX 211 & 216 Engineering Physics	5	SC 142 University Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	SC 143 University Physics 2	5	GE3N

<b>ECONOMICS- Choose one</b>				<u>Core</u>
ECON 142 Princ of Microeconomics	3	EC 102 Economics (Micro)	3	GE3S
ECON 144 Princ of Macroeconomics	3	EC 101 Economics (Macro)	3	GE3S

<b>COMMUNICATION</b>				<u>Core</u>
COMS 130 Public Speaking	3	CM 115 Public Speaking	3	GE22

<b>ETHICS</b>				<u>Core</u>
PHIL 160 Intro to Ethics	3	No equivalent		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		SC 120 Human Anatomy	4
BIOL 246 Intro of Physiology	3		SC 121 Physiology (must take SC 120 & 121)	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**

### **Cloud Equivalents**

<b>Goal 3: Breadth of Knowledge (3 Units) -one from each category</b>				
<b>Arts &amp; Humanities</b>			<b>GE3H</b>	
REL 171 Religion in American Society	3		RE 103 Religion in Contemporary American	3
REL 104 Intro to Religious Studies	3		RE 104 World Religions	3
			CM 122 American Literature	3
			CM 123 American Literature 2	3
			CM 124 World Lit and Human Experience	3
			CM 126 Bible as Literature	3
			CM 127 The Short Story	3
			AR 100 Art Appreciation	3
ART 101 Drawing	3		AR 130 Drawing	3
			MU 100 Music Appreciation	3
			MU 101 American Music	3
			HU 201 Humanities	3
			HU 202 Humanities II	3
PHIL 140 Intro to Philosophy	3		PH 100 Intro to Philosophy	3
PHIL 148 Reason and Argument	3		PH 101 Intro to Critical Thinking	3
THR 100 Intro to Theatre	3		CM 140 Theater Appreciation	3
THR 106 Intro to Acting	3		CM 141 Intro to Performance	3
HIST 128 Hist US through Civil War	3		SS 122 U.S. History	3
HIST 129 Hist of US After Civil War	3		SS 123 U.S. History 2	3
HSES 244 Intro to Physical Ed and Sports Studies	3		PE 130 Intro to Physical Education	3

<b>Goal 4: Culture and Diversity (One Unit from each outcome)</b>				
<b>Outcome 1</b>			<b>AE41</b>	
REL 171 Religion in American Society	3		RE 103 Religion in Contemporary America	3
SOC 104 Elements of Sociology	3		SS 130 Intro to Sociology	3
WGSS 101 Intro to Women, Gender, and Sexuality	3		SS 108 Women in American Society	3
<b>Outcome 2</b>			<b>AE42</b>	
GEOG 100 World Geography	3		GE 101 World Geography	3
REL 104 Intro to Religious Studies	3		RE 104 World Religions	3
ANTH 108 Cultural Anthropology	3		SS 125 Intro Cultural Anthropology	3
SPAN 212 Intermediate Spanish	3		FL 200 Spanish 3	3
GERM 104 Elementary German	5		FL 113 German I	5
GERM 108 Elementary German 2	5		FL 114 German 2	5
			MU 102 World Music	3
POLS 170 Intro to International Politics	3		SS 150 Intro International Relations	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

