

# Allen County Community College

## Transfer Program to University of Kansas

### Architecture, Civil and Environmental Engineering

Number to call at KU for advising: (785) 864-3766

Website: <http://www.engr.ku.edu/departments/>

Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult the KU catalog and seek KU advising early.

Transfer students must have at least a 2.5 GPA and proof of competency in Calculus.

#### **Requirements (all students):**

##### **Architectural Engineering:**

KU Course Requirements	Allen Course Equivalents			
<b>ENGLISH</b>				
				<b><u>Core</u></b>
ENGL 101 Composition	3	COL 101 Composition	3	GE21
ENGL 102 Critical Reading and Writing	3	COL 102 Composition	3	GE21
<b>MATHEMATICS</b>				
				<b><u>Core</u></b>
MATH 125 Calculus	4	MAT 123 Calculus with Analytic Geometry	5	GE12
MATH 126 Calculus 2	4	MAT 125 Calculus with Analytic Geometry 2	5	
MATH 127 Calculus 3	4	MAT 225 Calculus with Analytic Geometry 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		
<b>NATURAL SCIENCES</b>				
				<b><u>Core</u></b>
PHSX 211 & 216 Engineering Physics	5	PSC 204 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PSC 205 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5	CHE 125 Chemistry	5	GE12, GE3N
<b>COMMUNICATION</b>				
				<b><u>Core</u></b>
COMS 130 Public Speaking	3	COM 101 Public Speaking	3	GE22

##### **Civil Engineering:**

KU Course Requirements	Allen Course Equivalents			
<b>ENGLISH (2 courses)</b>				
				<b><u>Core</u></b>
ENGL 101 Composition	3	COL 101 Composition	3	GE21
ENGL 102 Critical Reading and Writing	3	COL 102 Composition	3	GE21
<b>MATHEMATICS</b>				
				<b><u>Core</u></b>
MATH 125 Calculus	4	MAT 123 Calculus with Analytic Geometry	5	GE12
MATH 126 Calculus 2	4	MAT 125 Calculus with Analytic Geometry 2	5	
MATH 127 Calculus 3	4	MAT 225 Calculus with Analytic Geometry 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		
<b>NATURAL SCIENCES</b>				
				<b><u>Core</u></b>
PHSX 211 & 216 Engineering Physics	5	PSC 204 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4	PSC 205 Engineering Physics 2	5	GE3N
<b>Chemistry: Students may take the 2 courses below or wait and take CHEM 150 Chemistry for Engineers at KU</b>				
CHEM 130 Chemistry	5	CHE 125 Chemistry	5	GE12, GE3N

CHEM 135 Chemistry 2	5	CHE 136 Chemistry 2	5	GE3N
<b>Choose One:</b>				
CHEM S330 & S331 Organic Chemistry	5	CHE 265 Organic Chemistry 1	5	
GEOL 101 How the World Works	3	PSC 154 Physical Geology	5	GE3N

<b>COMMUNICATION</b>				<b>Core</b>
COMS 130 Public Speaking	3	COM 101 Public Speaking	3	GE22

<b>ECONOMICS -Choose one:</b>				<b>Core</b>
ECON 142 Princ of Microeconomics	3	ECO 207 Microeconomics	3	GE3S
ECON 144 Princ of Macroeconomics	3	ECO 208 Macroeconomics	3	GE3S

**Civil Engineering (Environmental Concentration):**

**KU Course Requirements**

**Allen Course Equivalents**

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

<b>MATHEMATICS</b>				<b>Core</b>
MATH 125 Calculus	4	MAT 123 Calculus with Analytic Geometry	5	GE12
MATH 126 Calculus 2	4	MAT 125 Calculus with Analytic Geometry 2	5	
MATH 127 Calculus 3	4	MAT 225 Calculus with Analytic Geometry 3	3	
MATH 220 Differential Equations	3	No equivalent		
MATH 290 Elementary Linear Algebra	2	No equivalent		

<b>NATURAL SCIENCES</b>				<b>Core</b>
PHSX 211 & 216 Engineering Physics	5	PSC 204 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics		PSC 205 Engineering Physics 2		GE3N
<b>Choose One:</b>				
BIOL 200 Microbiology	3	BIO 271 Microbiology	5	GE3N
GEOL 101 How the World Works	3	PSC 154 Physical Geology	5	GE3N

<b>COMMUNICATION</b>				<b>Core</b>
COMS 130 Public Speaking	3	COM 101 Public Speaking	3	GE22

**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**

**Allen Course Equivalents**

<b>Goal 3: Breadth of Knowledge (3 Units) -one from each category</b>				
<b>Arts &amp; Humanities (Not needed for Arch. Eng.)</b>			<b>GE3H</b>	
			ART 101 Art Appreciation	3
REL 104 Intro to Religious Studies	3		HUM 135 World Religions	3
ART 101 Drawing	3		ART 126 Drawing	3
ENGL 210 Intro to Poetry	3		COL 132 Poetry	3
ENGL 209 Intro to Fiction	3		COL 135 Fiction	3
			COL 211 Early American Literature	3
			COL 222 Modern American Literature	3
			COL 230 Early British Literature	3
CLSX 148 Greek and Roman Mythology	3		COL 250 Intro to Mythology	3
HIST 128 History to Civil War	3		HIS 108 American History to 1865	3
HIST 129 History after Civil War	3		HIS 109 American History from 1865	3

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HIST 121 Modern Latin America	3	HIS 250 Latin America History	3
PHIL 160 Intro to Philosophy	3	HUM 125 Philosophy	3
PHIL 160 Intro to Ethics	3	HUM 105 Ethics	3
THR 101 Intro to Theatre	3	THE 101 Theatre Appreciation	3
THE 131 Acting	3	THR 106 Intro to Acting	3
HSES 244 Intro PE and Sports Science	3	HPE 101 Intro to PE	3
<b>Social Sciences (Not needed for Civil Engineering)</b>		<b>GE3S</b>	
ANTH 108 Intro Cultural Anthropology	3	ANT 111 Cultural Anthropology	3
JOUR 101 Media in Society	3	COM 201 Mass Media in Society	3
COMS 244 Intro to Interpersonal Communication	3	COM 211 Interpersonal Communication	3
EPSY S305 Early Childhood Growth & Development	3	ECE 101 Early Childhood Growth	3
ECON 142 Microeconomics	3	ECO 207 Microeconomics	3
ECON 144 Macroeconomics	3	ECO 208 Macroeconomics	3
POLS 170 International Relations	3	POL 250 Intro to International Relations	3
POLS 110 Intro to US Politics	3	POL 111 American Govern	3
PSYC 104 Intro to Psychology	3	PSY 101 General Psychology	3
SOC 104 Elements of Sociology	3	SOC 102 Sociology	3
BLAW S301 Legal Aspects of Business	3	BUS 221 Business Law	3

<b>Goal 4: Culture and Diversity (2 Units)</b>			
<b>Outcome 1</b>		<b>AE41</b>	
SOC 104 Elements of Sociology	3	SOC 102 Sociology	3
SOC 160 Social Problems and American Values	3	SOC 205 Cont Social Problems	3
<b>Outcome 2 (Not needed for Architectural Eng.)</b>		<b>AE42</b>	
ANTH 108 Intro Cultural Anthropology	3	ANT 111 Cultural Anthropology	3
GEOG 100 World Regional Geography	3	GEO 104 Princ of Geography	3
REL 104 Intro to Religious Studies	3	HUM 135 World Religions	3
POLS 170 International Relations	3	POL 250 Intro to 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