

Cloud County Community College
Transfer Program to University of Kansas
B.S. in Chemical & Petroleum Engineering
(Subplans of Environmental, Biomedical, Petroleum, Pre-Med)

Number to call at KU for advising: (785) 864-4965

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

Timely completion of prerequisites 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):

Chemical Engineering (including ALL subplans):

KU Course Requirements

Cloud Equivalents

ENGLISH (2 courses)					Core
ENGL 101 Composition	3		CM 101 English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		CM 102 English Composition 2	3	GE21

MATHEMATICS					Core
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 220 Differential Equations	3		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		

NATURAL SCIENCES					Core
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
CHEM 130 Chemistry	5		SC 131 Chemistry	5	GE12, GE3N
CHEM 135 Chemistry 2	5		SC 132 Chemistry 2	5	GE3N, GE12
CHEM 330 & 331 Organic Chemistry	5		SC 134 Organic Chemistry	5	

Petroleum Engineering:

KU Course Requirements

Cloud Equivalents

MATHEMATICS					Core
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 220 Differential Equations	3		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		

NATURAL SCIENCES					Core
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
CHEM 130 Chemistry	5		SC 131 Chemistry	5	GE12, GE3N
CHEM 135 Chemistry 2	5		SC 132 Chemistry 2	5	GE12, GE3N
GEOL 101 & 103 How the World Works	3		SC 104 Geology	5	GE3N

COMMUNICATION					Core
COMS 130 Public Speaking	3		CM 115 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

Cloud Equivalents

Goal 2: Communication (3 Units) -two from outcome 1 and one from outcome 2			
Outcome 1 (not needed for Chemical)		GE21	
ENGL 101 Composition	3	CM 101 English Composition	3
ENGL 102 Critical Reading and Writing	3	CM 102 English Composition 2	3
Outcome 2 (not needed for Petroleum)		GE22	
COMS 130 Speaker-Audience Communication	3	CM 115 Public Speaking	3

Goal 3: Breadth of Knowledge (3 Units) -one from each category			
Arts & Humanities		GE3H	
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
Social Sciences		GE3S	
METL 211 Jewelry	3	AR 117 Jewelry and Metalsmithing	3
COMS 244 Interpersonal Communication Theory	3	CM 240 Interpersonal Communication	3
ANTH 108 Cultural Anthropology	3	SS 125 Intro Cultural Anthropology	3
ECON 142 Princ of Microeconomics	3	EC 102 Economics (Micro)	3
ECON 144 Princ of Macroeconomics	3	EC 101 Economics (Macro)	3
POLS 110 Intro to US Politics	3	SS 140 U.S. Government: National	3
POLS 170 Intro to International Politics	3	SS 150 Intro International Relations	3
PSYC 104 General Psychology	3	SS 101 Intro to Psychology	3
SOC 104 Elements of Sociology	3	SS 130 Intro to Sociology	3
		SS 113 Human Relations	3
WGSS 101 Intro to Women, Gender, and Sexuality	3	SS 108 Women in American Society	3
EPSY S305 Dev and Learning of the Child	3	HE 150 Early Childhood Development	3
EPSY S305 Dev and Learning of the Child	3	SS 127 Child Psychology	3

Goal 4: Culture and Diversity (One Unit from each outcome)			
Outcome 1		AE41	
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
Outcome 2		AE42	
GEOG 100 World Geography	3	GE 101 World Geography	3
REL 104 Intro to Religious Studies	3	RE 104 World Religions	3

Cloud County Community College Chemical Engineering ~updated April 28, 2015

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