

Garden City 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

Garden City Equivalents

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

MATHEMATICS					Core
MATH 125 Calculus	4		MATH 122 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 123 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		MATH 205 Calculus and Analytical Geometry 3	5	
MATH 220 Differential Equations	3		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		

NATURAL SCIENCES					Core
PHSX 211 & 216 Engineering Physics	5		PHYS 207 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 208 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CHEM 109 College Chemistry	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 110 College Chemistry 2	5	GE3N, GE12
CHEM 330 & 331 Organic Chemistry	5		CHEM 206 Organic Chemistry 1	5	

Petroleum Engineering:

KU Course Requirements

Garden City Equivalents

MATHEMATICS					Core
MATH 125 Calculus	4		MATH 122 Calculus and Analytical Geometry	5	GE12
MATH 126 Calculus 2	4		MATH 123 Calculus and Analytical Geometry 2	5	
MATH 127 Calculus 3	4		MATH 205 Calculus and Analytical Geometry 3	5	
MATH 220 Differential Equations	3		No equivalent		
MATH 290 Elementary Linear Algebra	2		No equivalent		

NATURAL SCIENCES					Core
PHSX 211 & 216 Engineering Physics	5		PHYS 207 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 208 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CHEM 109 College Chemistry	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 110 College Chemistry 2	5	GE12, GE3N
GEOL 101 & 103 How the World Works	3		PHSC 205 Physical Geology	5	GE3N

COMMUNICATION					Core
COMS 130 Public Speaking	3		SPCH 111 Public Speaking I	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****Garden City Equivalents**

Goal 2: Communication (3 Units) –two from outcome 1 and one outcome 2			
Outcome 1 (not needed for Chemical)			GE21
ENGL 101 Composition	3		ENGL 101 English 3
ENGL 102 Critical Reading and Writing	3		ENGL 102 English 2 3
Outcome 2 (not needed for Petroleum)			GE22
COMS 130 Speaker-Audience Communication	3		SPCH 111 Public Speaking I 3

Goal 3: Breadth of Knowledge (3 Units) –one from each category			
Arts & Humanities			GE3H
			LITR 212 English Literature 3
			LITR 225 Ethnic Minority Literature US 1920+ 3
			LITR 230 Understanding Old Testament 3
			LITR 231 Understanding New Testament 3
			LITR 213 English Literature 2 3
			LITR 215 American Literature 3
			LITR 216 American Literature 2 3
			LITR 253 World Lit & Human Experience 3
			ARTS 121 History Of World Art 3
ART 101 Drawing I	3		ARTS 1013 Drawing I 3
PHIL 140 Intro to Philosophy	3		PHIL 101 Intro To Philosophy 3
PHIL 148 Reason and Argument	3		PHIL 103 Logic 3
PHIL 160 Intro to Ethics	3		PHIL 102 Elementary Ethics 3
THR 215 Approaching Design	3		DRAM 142 Stagecraft II 3
THR 100 Intro to Theatre	3		DRAM 150 Intro To Theatre 3
THR 106 Intro to Acting	3		DRAM 111 Acting I 3
			DRAM 120 Drama History and Literature 3
HIST 128 Hist US thrgh Civil War	3		HIST 103 American History To 1865 3
HIST 129 Hist of US After Civil War	3		HIST 104 American History Since 1865 3
HSES 244 Foundations of Phys Ed	3		HPER 291 Hist and Prin of Phys Ed 3
Social Sciences			GE3S
CER 208 Ceramics	3		ARTS 1113 Ceramics 3
COMS 244 Intr Personal Comm	3		SPCH 113 Interpersonal Communication 3
ECON 144 Princ of Macroeconomics	3		ECON 112 Economics: Micro 3
ECON 142 Princ of Microeconomics	3		ECON 111 Economics: Macro 3
POLS 110 Intro to US Politics	3		POLS 105 American Government 3
PSYC 104 General Psychology	3		PSYC 101 General Psychology 3
SOC 104 Elements of Sociology	3		SOCI 102 Intro To Sociology 3
ANTH 108 Cultural Anthropology	3		SOCI 105 Intro To Anthropology 3
SOC 220 Sociology of Families	3		SOCI 113 Sociology of Families 3
			EDUC 110 Developmental Psychology 3
JOUR 101 Media and Society	3		JRNL 110 Media in Free Society 3
WGSS 101 Women, Gender and Sexuality Studies	3		HUMA 105 Intro Women's Studies 3

Goal 4: Culture and Diversity (1 Unit from each outcome)			
Outcome 1			AE41
SOC 104 Elements of Sociology	3		SOCI 102 Intro To Sociology 3
SOC 160 Intro to Social Problems	3		SOCI 204 Social Problems 3
SOC 220 Sociology of Families	3		SOCI 113 Sociology of Families 3
WGSS 101 Women, Gender and Sexuality Studies	3		HUMA 150 Women's Studies 3
Outcome 2			AE42
GEOG 100 World Regional Geography	3		GEOG 101 World Geography 3
ANTH 108 Intro to Cultural Anthropology	3		SOCI 105 Intro to Anthropology 3

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			LITR 225 Ethnic Minority Literature US 1920+	3
			LITR 253 World Literature and Human Experience	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