

Dodge 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

Dodge City Equivalents

ENGLISH (2 courses)					Core
ENGL 101 Composition	3		ENG 102 or 150 English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		ENG 103 or 151 English Composition 2	3	GE21

MATHEMATICS					Core
MATH 121 Calculus I	5		MATH 221 Analytic Geom & Calc 2	5	GE12
MATH 122 Calculus 2	5		MATH 222 Analytic Geom & Calc 3 (must take MATH 221+222)	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 231 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 233 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CHEM 111 or 211 College Chem	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 112 or 212 College Chem 2	5	GE3N, GE12
CHEM 330 & 331 Organic Chemistry	5		CHEM 241 & 242 Organic Chemistry 1	5	

Petroleum Engineering:

KU Course Requirements

Dodge City Equivalents

MATHEMATICS					Core
MATH 121 Calculus I	5		MATH 221 Analytic Geom & Calc 2	5	GE12
MATH 122 Calculus 2	5		MATH 222 Analytic Geom & Calc 3 (must take MATH 221+222)	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 231 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PHYS 233 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CHEM 111 or 211 College Chem	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CHEM 112 or 212 College Chem 2	5	GE12, GE3N
GEOL 101 & 103 How the World Works	3		GEL 101 Intro To Geology	5	GE3N

COMMUNICATION					Core
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COMS 130 Public Speaking	3	SP 106 Public Speaking	3	GE22
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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

Dodge City 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		ENG 102 or 150 English Composition	3
ENGL 102 Critical Reading and Writing	3		ENG 103 or 151 English Composition 2	3
Outcome 2 (not needed for Petroleum)			GE22	
COMS 130 Speaker-Audience Communication	3		SP 106 Public Speaking	3

Goal 3: Breadth of Knowledge (3 Units) -one from each category				
Arts & Humanities			GE3H	
			ART 101 Art Appreciation	3
ART 101 Drawing I			ART 110 Drawing I	3
PHMD 101 Fundamentals of Photography	3		ART 117 Photography I	3-4
	3		ENG 206 World Literature	3
			ENG 204 English Literature	3
			ENG 205 English Literature 2	3
			ENG 209 American Literature	3
			ENG 210 American Literature	3
			RS 101 Old Testament Survey	3
HA 150 Western Art History I	3		ART 150 Survey of Art History	3
			RS 102 New Testament Survey	3
PHIL 140 Intro to Philosophy	3		PHIL 201 Intro To Philosophy	3
PHIL 160 Intro to Ethics	3		PHIL 202 Intro to Ethics	3
			ART 132 History and Criticism of Art	3
			HIST 120 World History to 1500	3
			HIST 121 World History from 1500	
HIST 128 Hist US thrgh Civil War	3		HIST 101 American History	3
HIST 129 Hist of US After Civil War	3		HIST 102 American History 2	3
HSES 244 Intro to Phys Ed and Sport Studies	3		PE 114 Intro Health, PE and Recreation	3
Social Sciences			GE3S	
COMS 244 Interpersonal Communication	3		SP 206 Interpersonal Communication	3
EPSY S305 Intro Child Behavior/Development	3		ECE 105 Child Growth & Development	3
ECON 142 Princ of Microeconomics	3		ECON 102 Prin Of Econ : Microecon	3
ECON 144 Princ of Macroeconomics	3		ECON 101 Prin Of Econ : Macroecon	3
METL 211 Intro to Jewelry/Metalsmithing	3		ART 114 Metalsmithing Jewelry	3
POLS 110 Intro to US Politics	3		GOV 101 American Natl Government	3
PSYC 104 General Psychology	3		PSY 101 General Psychology	3
JOUR 101 Media and Society	3		MC 110 Mass Media	3
SOC 104 Elements of Sociology	3		SOC 101 Principles Of Sociology	3
SOC 160 Intro to Social Problems	3		SOC 201 Social Problems	3
			SOC 202 Race & Ethnic Relations	3
ANTH 100 General Anthropology	3		ANTH 111 Anthropology	3
			PSY 102 Human Growth & Development	3
SOC 220 Sociology of Families	3		SOC 203 Sociology of Families	3
SW 220 Social Work, Social Welfare and Society	3		SW 201 AND 202 Intro to Social Work	6

Goal 4: Culture and Diversity (One Unit from each outcome)				
Outcome 1			AE41	
SOC 104 Elements of Sociology	3		SOC 101 Principles Of Sociology	3
SOC 160 Intro to Social Problems	3		SOC 201 Social Problems	3
SOC 220 Sociology of Families	3		SOC 203 Sociology of Families	3

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MUSC 298 Introduction to Jazz	3		MUS 225 A Study of Jazz	3
Outcome 2			AE42	
			ENG 206 World Literature	3
GEOG 100 World Regional Geography	3		GEO 101 Geography	3
SPAN 212 Intermediate Spanish	3		LANG 203 Intermediate Spanish	3
SPAN 216 Intermediate Spanish 2	3		LANG 204 Intermediate Spanish 2	3
GERM 104 Elementary German	5		LANG 120 Elementary German	3
GERM 108 Elementary German 2	5		LANG 121 Elementary German 2	3
ANTH 100 General Anthropology	3		ANTH 111 Anthropology	3
HA 150 Western Art History	3		ART 150 Survey of Art History	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