

Colby 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

Colby Equivalents

ENGLISH (2 courses)					Core
ENGL 101 Composition	3		EN 176 English Composition	3	GE21
ENGL 102 Critical Reading and Writing	3		EN 177 English Composition 2	3	GE21

MATHEMATICS					Core
MATH 125 Calculus	4		MA 220 Analytical Geometry & Calculus	5	GE12
MATH 126 Calculus 2	4		MA 230 Analytical Geometry & Calculus	5	
MATH 127 Calculus 3	4		MA 240 Analytical Geometry & Calculus	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		PH 208 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	4		PH 228 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CH 177 Chemistry (w/lab)	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CH 178 Chemistry 2 (w/lab)	5	GE3N, GE12
CHEM 330 & 331 Organic Chemistry	5		CH 225 Organic Chemistry	5	

Petroleum Engineering:

KU Course Requirements

Colby Equivalents

MATHEMATICS					Core
MATH 125 Calculus	4		MA 220 Analytical Geometry & Calculus	5	GE12
MATH 126 Calculus 2	4		MA 230 Analytical Geometry & Calculus	5	
MATH 127 Calculus 3	4		MA 240 Analytical Geometry & Calculus	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		PH 208 Engineering Physics	5	GE3N, GE11, GE12
PHSX 212 & 236 Engineering Physics	5		PH 228 Engineering Physics 2	5	GE3N
CHEM 130 Chemistry	5		CH 177 Chemistry (w/lab)	5	GE12, GE3N
CHEM 135 Chemistry 2	5		CH 178 Chemistry 2 (w/lab)	5	GE12, GE3N
GEOL 101 & 103 How the World Works	3		No Equivalent		GE3N

COMMUNICATION					Core
COMS 130 Public Speaking	3		SP 101 or 176 Fundamentals Of Oral Com	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****Colby 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		EN 176 English Composition 3
ENGL 102 Critical Reading and Writing	3		EN 177 English Composition 2 3
ENGL 211 Intro to Drama	3		DR 208/EN 208 Intro To Dramatic Literature 3
Outcome 2 (not needed for Petroleum)			GE22
COMS 130 Speaker-Audience Communication	3		SP 101 Fundamentals Of Oral Com 3
COMS 130 Speaker-Audience Communication	3		SP 176 Public Speaking 3

Goal 3: Breadth of Knowledge (3 Units) –one from each category			
Arts & Humanities			GE3H
			AR 175 Art Appreciation 3
ART 101 Drawing I	3		AR 103 Drawing I 3
REL 104 Intro to Religious Studies	3		RE 104 World Religions 3
			LI 176 World Literature 3
			EN 202 American Literature 3
			EN 203 American Literature 2 3
			EN 211 American Frontier Literature 3
			EN 215 American Short Story 3
			EN 217 Bible as Literature 3
			RE 104 World Religions 3
ENGL 211 Intro to Drama	3		DR 208/EN 208 Intro To Dramatic Lit 3
PHIL 140 Intro to Philosophy	3		PI 101 Introduction To Philosophy 3
PHIL 148 Reason and Argument	3		PI 200 Philosophical Thought and Logic 3
PHIL 160 Ethics	3		PI 276 Intro to Ethics 3
THR 100 Intro to Theatre	3		DR 120 Theatre Appreciation 3
HA 150 Western Art History	3		AR 176 Art History 3
HIST 128 Hist US through Civil War	3		HI 176 American History To 1865 3
HIST 129 Hist of US After Civil War	3		HI 177 American History 1865 To Pres 3
HIST 115 Europe 1789-present	3		HI 122 Contemporary European History 3
			HI 140 History of Classical Cultures 3
			HI 104 World Civilization I 3
			HI 204 World Civilization II 3
HSES 244 History and Foundations of Physical Education	3		PE 198 History and Fdns of PE 3
Social Sciences			GE3S
EPSY S305 Development and Learning of the Child	3		PS 280 Child Development 3
ANTH 108 Cultural Anthropology	3		AN 177 Cultural Anthropology 3
COMS 244 Intr Personal Comm	3		SP 106 Interpersonal Communications 3
ECON 142 Princ of Microeconomics	3		EC 277 Principles Of Microeconomics 3
ECON 144 Princ of Macroeconomics	3		EC 276 Principles Of Macroeconomics 3
JOUR 101 Media and Society	3		JO 165 Intro to Mass Media 3
POLS 110 Intro to US Politics	3		PO 176 American Government 3
PSYC 104 General Psychology	3		PS 176 General Psychology 3
SOC 104 Elements of Sociology	3		SO 176 Intro To Sociology 3
			PS 276 Developmental Psychology 3
SOC 220 Sociology of Families	3		SO 182 Sociology Of Families 3
			BU 177 Human Relations 3
WGSS 101 Intro to Women, Gender and Sexuality Studies	3		SO 135 Women's Studies 3

Goal 4: Culture and Diversity (One Unit from each outcome)			
Outcome 1			AE41
SOC 104 Elements of Sociology	3		SO 176 Intro To Sociology
SOC 160 Social Problems and American Values	3		SO 186 Social Problems
SOC 220 Sociology of Families	3		SO 182 Sociology of Families
WGSS 101 Intro to Women, Gender and Sexuality St	3		SO 185 Women's Studies
Outcome 2			AE42
			AR 101 Art Survey
HA 150 Western Art History I	3		AR 176 Art History I
REL 104 Intro to Religious Studies	3		RE 104 World Religions
GEOG 100 World Regional Geography	3		GE 176 World Regional Geography
ANTH 108 Cultural Anthropology	3		AN 177 Cultural Anthropology
			AN 176 Native American Cultures
			LI 176 World Literature
			RE 104 World Religions

- 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