

**ALLEN COMMUNITY COLLEGE
TRANSFER PROGRAM TO THE UNIVERSITY OF KANSAS
B.S. IN PETROLEUM ENGINEERING**

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.

Sixty-four credit hours may be transferred to KU from community colleges. Transfer students must have at least a 2.5 GPA and proof of competency in Calculus.

KU Course Requirements

Allen County Course Equivalents

ENGLISH (6 hours)				
ENGL 101 COMPOSITION	3		COL 101 ENGLISH COMPOSITION I	3
ENGL 102 CRITICAL READING & WRITING	3		COL 102 ENGLISH COMPOSITION II	3

GENERAL EDUCATION COMPONENT (15 hours)

ADVANCED ENGLISH (ENG 203 or any advanced English course designated H or HE (3))				
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HUMANITIES AND SOCIAL SCIENCES (12 hours)
At least one course must be from Humanities and at least one course must be from Social Sciences.
At least two courses must be from the same department in either Humanities or Social Sciences

HUMANITIES				
English			COL 115 BEGINNING CREATIVE WRITING	3
			COL 130 INTRO TO LITERATURE	3
			COL 132 POETRY	3
			COL 135 FICTION	3
			COL 211 EARLY AMERICAN LITERATURE	3
			COL 222 MODERN AMERICAN LITERATURE	3
			COL 230 EARLY BRITISH LITERATURE	3
			COL 231 MODERN BRITISH LITERATURE	3
			COL 237 CHILDREN'S LITERATURE	3
			COL 240 BIBLE AS LITERATURE	3
History			HIS 108 AMERICAN HISTORY TO 1865	3
			HIS 109 AMERICAN HISTORY FROM 1865	3
			HIS 225 THE AMERICAN WEST	3
			HIS 226 KANSAS HISTORY	3
			HIS 231 THE WORLD SINCE 1914	3
History of Art			ART 101 ART APPRECIATION	3
Humanities & Western Civilization			HIS 121 HISTORY OF WESTERN CIV I	3
			HIS 122 HISTORY OF WESTERN CIV II	3
			HUM 111 HUMANITIES FOR LIFE	3
Music History			MUS 111 MUSIC APPRECIATION	3
Philosophy			HUM 105 ETHICS	3
			HUM 125 PHILOSOPHY	3
Religious Studies			HUM 130 NEW TESTAMENT	3
			HUM 131 OLD TESTAMENT	3
			HUM 135 WORLD RELIGIONS	3
Theatre & Film			THE 222 THEATER APPRECIATION	3
SOCIAL SCIENCES				
Anthropology			SOC 111 CULTURAL ANTHROPOLOGY	3
Economics			ECO 207 MICROECONOMICS	3
			ECO 208 MACROECONOMICS	3
Geography			GEO 104 PRINCIPLES OF GEOGRAPHY	3
Human Development & Family Life			CCG 101 EARLY CHILDHOOD GRWTH & DEV	3
			SOC 121 MARRIAGE & FAMILY RELATIONS	3
Political Science			HUM 211 CURRENT WORLD AFFAIRS	3
			POL 111 AMERICAN GOVERNMENT	3
Psychology			PSY 101 GENERAL PSYCHOLOGY	3
			PSY 160 PSYCHOLOGY OF ADJUSTMENT	3

		PSY 230 ABNORMAL PSYCHOLOGY	3
		PSY 263 DEVELOPMENTAL PSYCHOLOGY	3
		PSY 264 PSYCH OF HUMAN SEXUALITY	3
		PSY 275 SOCIAL PSYCHOLOGY	3
Sociology		PLS 221 CRIMINAL LAW	3
		PLS 242 INTRO TO CRIMINOLOGY	3
		SOC 102 SOCIOLOGY	3
		SOC 110 JUVENILE DELINQUENCY	3
		SOC 205 CONTEMP SOCIAL PROBLEMS	3

MATHEMATICS (15-18 hours)			
MATH 121 CALCULUS I	5	MAT 125 CALC W/ ANALYTIC GEOMETRY II	
MATH 122 CALCULUS II	5	MAT 225 CALC W/ ANALYTIC GEOMETRY III	
One of the following options:			
OPTION A (8 hours)			
MATH 223 VECTOR CALCULUS	3	NO EQUIVALENT	
MATH 290 ELEMENTARY LINEAR ALGEBRA	2	NO EQUIVALENT	
MATH 320 ELEMENTARY DIFF. EQUATIONS	3		
OPTION B (5-8 hours)			
MATH 220 APPLIED DIFF. EQUATIONS	3	NO EQUIVALENT	
MATH 290 ELEMENTARY LINEAR ALGEBRA	2	NO EQUIVALENT	
One Mathematics Elective: selected from courses numbered above MATH 124, except MATH 320			

BASIC SCIENCES (18 hours)			
CHEM 184 FOUNDATIONS OF CHEMISTRY I	5	CHE 125 CHEMISTRY I	5
CHEM 188 FOUNDATIONS OF CHEMISTRY II	5	CHE 136 CHEMISTRY II	5
CHEM 622 FUNDMNTLS OF ORGANIC CHEM	3	NO EQUIVALENT	5
PHSX 211 GENERAL PHYSICS I	4	PSC 204 ENGINEERING PHYSICS I	5
PHSX 212 GENERAL PHYSICS II	4	PSC 205 ENGINEERING PHYSICS II	5
GEOL 101 INTRO TO GEOLOGY (3) AND GEOL 103 GEOLOGY FUND. LAB (2)	5	PSC 154 PHYSICAL GEOLOGY	5
GEOL 331 SEDIMENT & SURFACE PROCESS	4	NO EQUIVALENT	
GEOL 535 PETROLM & SUBSURFACE GEOL	4	NO EQUIVALENT	
Basic science or engineering science elective	3	Select ONE course from the following list:	
		BIO 102 PRINCIPLES OF BIOLOGY	5
		BIO 257 HUMAN ANATOMY & PHYSIOLOGY	5
		BIO 271 MICROBIOLOGY	5
		CHE 295 ORGANIC CHEMISTRY II	5

ENGINEERING			
C&PE 121 INTRO TO COMPUTERS IN ENGR	3	NO EQUIVALENT	
C&PE 211 MATERIAL & ENERGY BALANCES	3	NO EQUIVALENT	
C&PE 221 BASIC ENGR THERMODYNAMICS	3	NO EQUIVALENT	
Engineering Science Electives (10 hours)			
C E 201 STATICS	2	PSC 201 STATICS	3
EECS 319 ELCTRCL CIRCUITS, DEVICES, SYST	4	NO EQUIVALENT	
C E 311 STRENGTH OF MATERIALS	4	NO EQUIVALENT	

NOTE: In order to graduate in four years, a student must have completed mathematics through differential equations prior to transferring to KU. It is the student's advantage to take CP&E 211 Material and Energy Balances at KU in the summer before the junior year.

NOTE: Pass/Fail policy. Only courses used to fulfill English, Humanities or Social Science requirements will be accepted with a "P" grade.

The requirements listed above are subject to annual change.