

**BUTLER COUNTY COMMUNITY COLLEGE
TRANSFER PROGRAM TO THE UNIVERSITY OF KANSAS
B.S. IN CHEMICAL 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

Butler County Course Equivalents

ENGLISH (9 hours)			
ENGL 101 COMPOSITION	3	EG 100 ENGLISH COMP I W/ REVIEW	5
		OR	
		EG 101 ENGLISH COMPOSITION I	3
ENGL 102 CRITICAL READING & WRITING	3	EG 102 ENGLISH COMPOSITION II	3
Plus a third English course (advanced English course designated H)	3	Select ONE course from the following list:	
		LT 201 INTRO TO LITERATURE I	3
		LT 204 INTRO TO POETRY	3
		LT 205 INTRO TO SHORT STORY	3
		LT 211 BRITISH LITERATURE I (ORIGINS-1784)	3
		LT 212 BRITISH LITERATURE II (1784-PRES)	3
		LT 215 AMERICAN LITERATURE I (COL-1865)	3
		LT 216 AMERICAN LITERATURE II (1865-PRES)	3
		LT 218 SHAKESPEARE	3

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			
		EG 104 CREATIVE WRITING	3
		LT 201 INTRO TO LITERATURE I	3
		LT 204 INTRO TO POETRY	3
		LT 205 INTRO TO SHORT STORY	3
		LT 211 BRITISH LITERATURE I (ORIGINS-1784)	3
		LT 212 BRITISH LITERATURE II (1784-PRES)	3
		LT 215 AMERICAN LITERATURE I (COL-1865)	3
		LT 216 AMERICAN LITERATURE II (1865-PRES)	3
		LT 218 SHAKESPEARE	3
		LIT 260 CHILDREN'S LITERATURE	3
		HS 121 HISTORY OF WESTERN CIV I	3
		HS 122 HISTORY OF WESTERN CIV II	3
		HS 131 U.S. HISTORY I	3
		HS 132 U.S. HISTORY II	3
		AR 100 ART APPRECIATION	3
		HS 123 HISTORY OF WESTERN CIV III	3
		HS 253 SELECTED TOPICS	3
		HU 100 HUM: ANCIENT TO MEDIEVAL	3
		HU 101 HUM: RENAISSANCE TO MODERN	3
		HU 110 HUMANITIES THROUGH THE ARTS	3
		MU 100 MUSIC APPRECIATION	3
		MU 202 INTRO TO CONTEMPORARY MUSIC	3
		MU 221 MUSIC HISTORY I	3
		MU 222 MUSIC HISTORY II	3
		MU 224 INTRO TO MUSIC HISTORY & LIT	3
		PL 290 PHILOSOPHY I	3
		PL 291 ETHICS	3

		RG 190 NEW TESTAMENT	3
		RG 191 OLD TESTAMENT	3
		RG 210 COMPARATIVE RELIGIONS	3
		TA 120 HISTORY OF AMERICAN CINEMA	3
		TA 206 INTRO TO THEATRE ART	3
SOCIAL SCIENCES			
		BS 106 INTRO TO ANTHROPOLOGY	3
		EC 200 PRINCIPLES OF MICROECONOMICS	3
		EC 201 PRINCIPLES OF MACROECONOMICS	3
		SC 120 PRINCIPLES OF GEOGRAPHY	3
		AJ 116 JUVENILE DELINQUENCY & JUSTICE	3
		BS 126 GERONTOLOGY	3
		BS 210 MARRIAGE & FAMILY	3
		BS 260 HUMAN GROWTH & DEVELOPMENT	3
		BS 270 CHILD PSYCHOLOGY	3
		PO 141 AMERICAN FEDERAL GOVERNMENT	3
		PO 201 INTERNATIONAL RELATIONS	3
		BS 103 HUMAN SEXUALITY	3
		BS 160 GENERAL PSYCHOLOGY	3
		BS 212 ABNORMAL PSYCHOLOGY	3
		AJ 102 INTRO TO ADMIN OF JUSTICE	3
		AJ 109 INTRO TO CORRECTIONS	3
		AJ 117 CRIMINAL BEHAVIOR	3
		AJ 204 CRIMINAL LAW	3
		AJ 212 CRIMINOLOGY	3
		AJ 213 CRIMINAL LAW & EVIDENCE	3
		BS 105 SOCIOLOGY	3
		BS 107 WOMEN & SOCIETY	3
		BS 110 CONTEMP SOCIAL PROBLEMS	3
		BS 220 MINORITY STUDIES	3
		BS 222 DEALING WITH DIVERSITY	3

MATHEMATICS (15-18 hours)			
MATH 121 CALCULUS I	5	MA 152 CALC II W/ ANALYTIC GEOMETRY	5
MATH 122 CALCULUS II	5	MA 253 Calc 3 w/ A Geometry	5
One of the following options		No Equivalent	
OPTION A (8 hours)			
MATH 223 VECTOR CALCULUS	3	NO EQUIVALENT	
MATH 290 ELEMENTARY LINEAR ALGEBRA	2	NO EQUIVALENT	
MATH 320 ELEM DIFFERENTL EQUATIONS	3	NO EQUIVALENT	
OPTION B (8 hours)			
MATH 220 APPLIED DIFF'RENL EQUATIONS	3	MA 260 DIFFERENTIAL EQUATIONS	3
MATH 290 ELEM. LINEAR ALGEBRA	2	No Equivalent	
Mathematics elective numbered above MATH 124, except for MATH 320	3		
OR			
Science, Engineering, Humanities, Or Social Sciences elective.	3	*Electives may be selected from the Humanities and Social Sciences listed above or from the following list of science courses.	
		BI 110 GENERAL BIOLOGY	5
		BI 120 MAJORS BIOLOGY I (ANIMAL)	5
		BI 130 MAJORS BIOLOGY II (PLANT)	5
		BI 226 ANATOMY & PHYSLGY W/ REVIEW I	4
		BI 227 ANATOMY & PHYSLGY W/ REVIEW II	4
		BI 240 ANATOMY & PHYSIOLOGY	5
		BI 250 MICROBIOLOGY	5
		EV 150 ENVIRONMENTAL ISSUES	3
		PH 103 DESCRIPTIVE ASTRONOMY	4
		PS 102 PHYSICAL GEOLOGY	4

NATURAL SCIENCES			
BASIC SCIENCES (18 hours) Required			
CHEM 184 FOUNDATIONS OF CHEMISTRY I	5	CH 110 COLLEGE CHEMISTRY I	5
CHEM 188 FOUNDATIONS OF CHEMISTRY II	5	CH 115 COLLEGE CHEMISTRY II	5
PHSX 211 GENERAL PHYSICS I	4	PH 251 PHYSICS I	5
PHSX 212 GENERAL PHYSICS II	4	PH 252 PHYSICS II	5
CHEM 624 ORGANIC CHEMISTRY I AND	3	*CH 240 ORGANIC CHEMISTRY I	5
CHEM 625 ORGANIC CHEMISTRY I LAB	2	Included in above class	
CHEM 646 INTRO TO PHYSICAL CHEMISTRY	4	NO EQUIVALENT	
Chemistry or Biochemistry Electives (7 hours in courses 500 and above)		NO EQUIVALENT	

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/Design Electives (12 hours selected from an approved list)		EN 260 STATICS	3

NOTE: In order to graduate in four years, a student must transfer into KU after one 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.