

**BARTON COUNTY COMMUNITY COLLEGE
TRANSFER PROGRAM TO THE UNIVERSITY OF KANSAS
B.S. IN CIVIL ENGINEERING**

Number to call at KU for advising: (785) 864-3766

Website: www.ceae.engr.ku.edu/

Timely completion of prerequisite courses 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

Barton County Course Equivalents

COMMUNICATIONS (15 hours)				
WRITTEN (6 hours)				
ENGL 101 COMPOSITION	3		ENGL 1204 ENGLISH COMPOSITION I OR ENGL 1203 ENGLISH COMPOSITION I (HNRS)	3 3
ENGL 102 CRITICAL READING & WRITING	3		ENGL 1206 ENGLISH COMPOSITION II OR	3
ORAL (3 hours)				
COMS 130 SPKR-AUD COMMUNICATION	3		COMM 1230 PUBLIC SPEAKING	3
COMPUTER SKILLS (6 hours)				
C E 390 CIVIL ENGINEERING GRAPHICS	3		NO EQUIVALENT	
EECS 138 INTRO TO COMPUTING: C++ OR	3		PRGM 1030 JAVA PROGRAMMING	3
C&PE 121 INTRO TO COMPTRS IN ENGINR	3		NO EQUIVALENT	

HUMANITIES AND SOCIAL SCIENCES (12 hours)

At least one course must be from Humanities, Social Science, AND Economics.

HUMANITIES				
English			EDUC 1136 CHILDREN'S LITERATURE	3
			ENGL 1216 CREATIVE WRITING	3
			LITR 1210 INTRO TO LITERATURE	3
			LITR 1212 THE SHORT STORY	3
			LITR 1214 THE NOVEL	3
			LITR 1215 WORLD LITERATURE	3
			LITR 1217 DIR IND STUDY /LITERATURE	2-3
			LITR 1218 AMERICAN LITERATURE TO 1865	3
			LITR 1220 AMERICAN LIT 1865 TO PRESENT	3
			LITR 1226 INTRO TO POETRY	3
			LITR 1228 INTRO TO DRAMA	3
			LITR 1234 SHAKESPEARE	3
			LITR 1235 GREAT BOOKS PROGRAM	2-3
History			HIST 1400 AMERICAN HISTORY TO 1877	3
			HIST 1401 AMERICAN HISTORY 1865 TO PRES	3
			HIST 1402 AMERICAN HISTORY 1877-PRES	3
			HIST 1403 AMERICAN HISTORY TO 1865	3
			HIST 1404 AMERICAN WEST	3
			HIST 1405 HISTORY OF THE GREAT PLAINS	3
			HIST 1406 HISTORY OF KANSAS	3
			HIST 1407 PRE-SETTLEMENT PLAINS HIST	3
			HIST 1408 WESTERN CIV TO 1500	3
			HIST 1410 WESTERN CIV 1500-PRESENT	3
			HIST 1412 CONTEMPORARY EUROPE	3
			HIST 1414 19 TH CENTURY EUROPE	3
			HIST 1416 AMERICAN MILITARY HISTORY	3
			HIST 1460 MILITARY HIST /AMER REVLTN	3
			HIST 1461 MILITARY HIST /AMER CIVIL WAR	3
			HIST 1462 MILITARY HIST /1ST WORLD WAR	3
			HIST 1463 MILITARY HIST /2ND WORLD WAR	3
			HIST 1465 MILITARY HIST /VIETNAM WAR	3

History of Art		ARTS 1200 ART APPRECIATION	3
		ARTS 1201 ART HISTORY SURVEY I	3
		ARTS 1203 ART HISTORY SURVEY II	3
		ARTS 1208 HISTORY & CRITICISM OF ART I	3
		ARTS 1221 HISTORY & CRITICISM OF ART II	3
Humanities & Western Civilization		ARTS 1207 HUMANITIES THROUGH ARTS	3
Music History		MUSI 1002 INTRO TO MUSIC	3
		MUSI 1084 JAZZ FOL ROCK MUSIC	3
Philosophy		PHIL 1602 INTRO TO PHILOSOPHY	3
		PHIL 1603 DIR IND STUDY/PHILOSOPHY	2-3
		PHIL 1604 SYSTEMATIC ETHICS	3
		PHIL 1605 REASON AND ARGUMENT	3
		PHIL 1606 HUMANITY/ETHICL DEC MAKING	3
		LIFE 1420 BIOETHICAL ISSUES	3
		BUSI 1607 BUSINESS ETHICS	3
Religious Studies			
		RELI 1301 NEW TESTAMENT LIT: GOSPELS	3
		RELI 1302 DIR IND STUDY/RELIGION	2-3
		RELI 1303 NEW TEST LIT: ACTS & EPISTLES	3
		RELI 1305 OLD TEST LIT: PENTATEUCH	3
		RELI 1307 OLD TEST LIT: WISDOM BOOKS	3
		RELI 1309 OLD TEST LIT: PROPHETS	3
Theatre & Film		THEA 1300 INTRO TO THEATRE	3
		THEA 1302 ACTING I	3
		THEA 1304 ACTING II	3
		THEA 1315 INTRO TO FILM	3
		THEA 1328 MAKE-UP FOR THE THEATRE	1-2

SOCIAL SCIENCES			
Anthropology		ANTH 1812 INTRO TO ANTHROPOLOGY	3
		ANTH 1816 CULTURAL ANTHROPOLOGY	3
		ANTH 1818 PEOPLES OF AFRICA	3
		ANTH 1820 FUTUROLOGY	3
		ANTH 1822 INDIANS OF N AMER/THEIR CULTURE	3
		ANTH 1824 ARCHAEOLOGY	3
Economics		ECON 1607 INTRO TO ECONOMICS	3
		ECON 1610 PRIN OF MACROECONOMICS	3
		ECON 1612 PRIN OF MICROECONOMICS	3
Geography		ANTH 1819 WRLD & REGIONAL GEOGRAPHY	3
		PHSC 1404 PHYSICAL GEOGRAPHY	3
		PHSC 1410 CONSERVATION: NAT RESOURCE	3
Human Development & Family Life		PSYC 1014 DEVELOPMENTAL PSYCHOLOGY	3
		SOCI 1102 MARRIAGE & FAMILY	3
		SOCI 1110 JUVENILE DELINQUENCY	2-3
Political Science			
		POLS 1800 GOVERNMENT OF THE U.S.	3
		POLS 1801 INTRO TO POLITICAL SCIENCE	3
		POLS 1802 NEW POLITICS	3
		POLS 1804 INTERNATIONAL RELATIONS	3
		POLS 1805 DIR IND STUDY/GOVERNMENT	2-3
		POLS 1806 CONSTITUTIONAL DEVELOPMNT	3
		POLS 1808 SEMINAR ON ASIA	1-3
		POLS 1810 THE MID. EAST IN MOD. TIMES	1-3
		POLS 1828 STATE & LOCAL GOVERNMENT	3
		POLS 1829 TOPICS IN MUNICIPAL GOVERN	1-3
Psychology		PSYC 1000 GENERAL PSYCHOLOGY	3
		PSYC 1001 GENERAL PSYCHOLOGY HONORS	3
		PSYC 1005 CURRENT ISSUES IN PSYCH	3
		PSYC 1006 ABNORMAL PSYCHOLOGY	3

		PSYC 1008 INTRO TO SUPERVISION	3
		PSYC 1012 INTRO TO COUNSELING	3
		PSYC 1016 SOCIAL PSYCHOLOGY	3
		PSYC 1018 GROUP DYNAMICS I	3
		PSYC 1020 GROUP DYNAMICS II	3
		PSYC 1034 THEORIES OF PERSONALITY	3
		PSYC 1042 INTRO TO BEHAVIOR MODIFICTN	3
		PSYC 1045 DIR IND STUDY/PSYCHOLOGY	2-3
		SOCI 1114 HUMAN SEXUALITY	3
Sociology		SOCI 1100 INTRO TO SOCIOLOGY	3
		SOCI 1101 DIR IND STUDY/SOCIOLOGY	2-3
		SOCI 1104 CONTEMPORARY SOCIAL PRBLMS	3
		SOCI 1108 INDIVID PROJECTS IN SOCIOLOGY	2-3
		SOCI 1129 CROSS CULTURAL AWARENESS	3
		SOCI 1138 WOMEN IN SOCIETY	3
		CRIM 1600 INTRO TO CRIMINAL JUSTICE	3
		CRIM 1610 CRIMINOLOGY	3
		CRIM 1614 CRIMINAL LAW I	3
		CRIM 1618 CRIMINAL LAW II	3
		CRIM 1651 INTRO TO CORRECTIONS	3
		CRIM 1660 PRACTICAL LAW CORRECTIONS	3

ECONOMICS		Select ONE course from the following list:	
ECON 104 INTRODUCTORY ECONOMICS	4	ECON 1607 INTRO TO ECONOMICS	3
ECON 144 PRINC. OF MACROECONOMICS	3	ECON 1610 PRIN OF MACROECONOMICS	3
ECON 144 PRINC. OF MICROECONOMICS	3	ECON 1612 PRIN OF MICROECONOMICS	3

BASIC SCIENCES (39 hours)			
MATHEMATICS (18 hours)			
MATH 121 CALCULUS I	5	MATH 1834 ANALYTIC GEOMETRY & CALC II	5
MATH 122 CALCULUS II	5	No Equivalent	5
MATH 220 APPLIED DIFF. EQUATIONS	3	MATH 1838 Differential Equations	
MATH 290 ELEMENTARY LINEAR ALGEBRA	2		
C E 625 APPLCTNS OF STATS IN CIVIL ENGR	3	NO EQUIVALENT	
PHYSICS (8 hours)			
PHSX 211 GENERAL PHYSICS I	4	PHYS 1604 ENGINEERING PHYSICS I	5
PHSX 212 GENERAL PHYSICS II	4	PHYS 1606 ENGINEERING PHYSICS II	5
CHEMISTRY (10 hours)			
CHEM 184 FOUNDATIONS OF CHEMISTRY I	5	CHEM 1806 COLLEGE CHEMISTRY I	5
CHEM 188 FOUNDATIONS OF CHEMISTRY II	5	CHEM 1808 COLLEGE CHEMISTRY II OR	5
		CHEM 1808 COLLEGE CHEMISTRY II AND	3
		CHEM 1810 ELEMNTY CHEMICL ANALYSIS	2
BASIC SCIENCE ELECTIVE (3hours)			
An additional 3 hours in basic science courses		Select ONE course from the following list:	
		LIFE 1400 CONCEPTS OF BIOLOGY	3
		LIFE 1402 PRINCIPLES OF BIOLOGY	5
		LIFE 1404 HUMAN HEREDITY	3
		LIFE 1406 PRINCIPLES OF BOTANY	5
		LIFE 1407 ANATOMY & PHYSIOLOGY I	4
		LIFE 1408 ANATOMY & PHYSIOLOGY	5
		LIFE 1409 ANATOMY & PHYSIOLOGY II	4
		LIFE 1410 PRINCIPLES OF ZOOLOGY	5
		LIFE 1412 PRINCIPLES OF MICROBIOLOGY	5
		LIFE 1413 ENVIRONMENTAL SCIENCE	3
		LIFE 1414 ENVIRONMENTAL SCIENCE LAB	2
		LIFE 1415 INSECTS OF KANSAS	3
		LIFE 1416 IND STUDY IN BIOLOGY SCIENCE	1-2
		LIFE 1417 LIFE SCIENCE INTERNSHIP	3

Barton County Community College -Civil Engineering

		CHEM 1801 DIR IND STUDY/CHEMISTRY	2-3
		CHEM 1802 FUNDMNTL OF GENERAL CHEM	5
		CHEM 1804 ELEMENTARY ORGANIC CHEM	5
		CHEM 1814 ORGANIC CHEMISTRY I	5
		CHEM 1816 ORGANIC CHEMISTRY II	5
		CHEM 1818 BASIC CORROSION	3
		CHEM 1820 STUDIES IN CHEMISTRY	2-3
		PHSC 1400 PHYSICAL SCIENCE	5
		PHSC 1402 INTRO TO GEOLOGY	3-5
		PHSC 1404 PHYSICAL GEOGRAPHY	3
		PHSC 1408 ASTRONOMY	3
		PHSC 1410 CONSERVATION: NAT RESOURCE	3
		PHYS 1600 PHYSICS I	5
		PHYS 1602 PHYSICS II	5
		PHYS 1603 DIR IND STUDY/PHYSICS	2-3

ENGINEERING SCIENCES			
C E 201 STATICS	2	PHYS 1608 STATICS	3
*An additional 36 hours of engineering sciences		NO EQUIVALENT	

NOTE: In order to graduate in four years, a student must have completed mathematics through differential equations prior to transferring to KU for their junior year.

The requirements listed above are subject to annual change.