

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

Number to call at KU for advising: (785) 864-4620

Website: <http://www.eecs.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 3.0 GPA and proof of competency in calculus.

**KU Course Requirement**

**Barton County Course Equivalents**

<b>ENGLISH (6 hours)</b>				
ENGL 101 COMPOSITION	3	ENGL 1204 ENGLISH COMPOSITION I	OR	3
		ENGL 1203 ENGLISH COMPOSITION I (HNRS)		3
ENGL 102 CRITICAL READING & WRITING	3	ENGL 1206 ENGLISH COMPOSITION II	OR	3

<b>COMMUNICATION (3 hours)</b>				
COMS 130 SPKR-AUD COMMUNICATION	3	COMM 1230 PUBLIC SPEAKING		3
<b>OR</b>				
ENGL 362 PROFESSIONAL WRITING	3	NO EQUIVALENT		

**GENERAL EDUCATION COMPONENT (15 hours)**

<b>ECONOMICS (3 hours)</b>				
*ECON 142 PRIN OF MICROECONMICS	3	ECON 1612 PRIN OF MICROECONOMICS		3
<b>OR</b>				
ECON 144 PRIN OF MACROECONOMICS	3	ECON 1610 PRIN OF MACROECONOMICS		3

\*ECON 142 is preferred by the department.

<b>POLITICAL SCIENCE (3 hours)</b>			<b>Select ONE course from the following list:</b>	
POLS 110 INTRO TO U.S. POLS	3	POLS 1800 GOVERNMENT OF THE U.S.		3
<b>OR</b>				
POLS 150 INTRO TO COMPARATIVE POL	3	NO EQUIVALENT		
POLS 170 INTRO TO INTERNATL POLITICS	3	POLS 1804 INTERNATIONAL RELATIONS		3

<b>ETHICS (3 hours)</b>				
PHIL 365 MORAL ISSUES IN PROFESSIONS	3	NO EQUIVALENT		
<b>OR</b>				
PHIL 375 MORAL ISSUES IN COMP TECH	3	NO EQUIVALENT		

**HUMANITIES AND SOCIAL SCIENCES (6 hours)**

Six hours from the list of principal courses as defined by the College of Liberal Arts & Sciences. Language courses other than English or the student's native language may be used for up to 3 hours. Additionally, all western civilization courses (HWC) can count as humanities (H) courses.

<b>HUMANITIES</b>				
<b>Historical Studies (HT)</b>		ANTH 1824 ARCHAEOLOGY		3
		ARTS 1200 ART APPRECIATION		3
		ARTS 1201 ART HISTORY SURVEY I		3
		ARTS 1208 HISTORY & CRITICISM OF ART I		3
		HIST 1400 AMERICAN HISTORY TO 1877		3
		HIST 1401 AMERICAN HISTORY 1865 TO PRES		3
		HIST 1402 AMERICAN HIST 1877-PRESENT		3
		HIST 1403 AMERICAN HISTORY TO 1865		3
		HIST 1412 CONTEMPORARY EUROPE		3
		HIST 1414 19 <sup>TH</sup> CENTUTRY EUROPE		3
		MUSI 1002 INTRO TO MUSIC		3
<b>Literature &amp; the Arts (HL)</b>		LITR 1215 WORLD LITERATURE		3
		THEA 1300 INTRO TO THEATRE		3

		THEA 1315 INTRO TO FILM	3
<b>Philosophy &amp; Religion (HR)</b>		PHIL 1602 INTRO TO PHILOSOPHY	3
		PHIL 1604 SYSTEMATIC ETHICS	3
		PHIL 1606 HUMANITY/ETHIC DEC MAKING	3
<b>SOCIAL SCIENCES</b>			
<b>Society &amp; Culture (SC)</b>		ANTH 1812 INTRO TO ANTHROPOLOGY	3
		ANTH 1816 CULTURAL ANTHROPOLOGY	3
		ANTH 1818 PEOPLES OF AFRICA	3
		ANTH 1819 WORLD & REGION GEOGRAPHY	3
		COMM 1220 ORGANIZATIONAL COMM	3
		HIST 1425 WOMEN & THE AMERICAN EXP	3
		SOCI 1100 INTRO TO SOCIOLOGY	3
<b>Individual Behavior (SI)</b>		COMM 1200 INTERPERSONAL COMM	3
		COMM 1208 COMMUNICATIONS DISORDERS	3
		HOME 1520 HUMAN GROWTH/DEVELOPMNT	3
		PSYC 1000 GENERAL PSYCHOLOGY	3
		PSYC 1001 GENERAL PSYCHOLOGY HONORS	3
		PSYC 1002 HUMAN RELATIONS	3
		PSYC 1014 DEVELOPMENTAL PSYCHOLOGY	3
		PSYC 1034 THEORIES OF PERSONALITY	3
<b>Public Affairs (SF)</b>		ECON 1607 INTRO TO ECONOMICS	3
		ECON 1610 PRIN OF MACROECONOMICS	3
		ECON 1612 PRIN OF MICROECONOMICS	3
		POLS 1800 GOVERNMENT OF THE U.S.	3
		POLS 1801 INTRO TO POLITICAL SCIENCE	3
		POLS 1804 INTERNATIONAL RELATIONS	3
		POLS 1828 STATE & LOCAL GOVERNMENT	3
		SOCI 1104 CONTEMPORARY SOCIAL PRBLMS	3

**GENERAL ELECTIVES**

**Computer Engineering** students must select **1 course (5 hrs)** from the following list.

<b>ENGINEERING ELECTIVE</b>		NO EQUIVALENT	
<b>NATURAL SCIENCE ELECTIVE</b>		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 1417 LIFE SCIENCE INTERNSHIP	3
		CHEM 1802 FUNDMNTL OF GENERAL CHEM	5
		CHEM 1804 ELEMENTARY ORGANIC CHEM	5
		CHEM 1808 COLLEGE CHEMISTRY II	3-5
		CHEM 1814 ORGANIC CHEMISTRY I	5
		CHEM 1816 ORGANIC CHEMISTRY II	5
		CHEM 1818 BASIC CORROSION	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 1606 ENGINEERING PHYSICS II	5
<b>BUSINESS ELECTIVE</b>		ACCT 1602 GENERAL ACCOUNTING	3
		ACCT 1614 ACCOUNTING I	3
		ACCT 1616 ACCOUNTING II	3
		ACCT 1617 COMPUTERIZED ACCOUNTING	3
		ACCT 1618 MANAGERIAL ACCOUNTING	3
		ACCT 1640 ACCOUNT: BUSINESS OPERATIONS	3
		ACCT 1641 ACCOUNT: INVEST & FINANCING	3
		BUSI 1600 INTRO TO BUSINESS	3
		BUSI 1603 INTRO TO FINANCE	3
		BUSI 1604 SMALL BUSINESS MANAGEMENT	3
		BUSI 1608 BUSINESS LAW I	3
		BUSI 1609 BUSINESS STATISTICS	3
		BUSI 1805 MARKETING	3
		BUSI 1806 ADVERTISING	3

<b>MATHEMATICS (18-22 hours)</b>			
MATH 121 CALCULUS I	5	MATH 1834 ANALYTIC GEOMETRY & CALC II	5
MATH 122 CALCULUS II	5	MATH 1836 ANALYTIC GEOMETRY & CALC III	5
MATH 220 APPLIED DIFF. EQUATIONS	3	NO EQUIVALENT	
MATH 290 ELEMENTARY LINEAR ALGEB.	2		
EECS 461 PROBABILITY & STATISTICS	3	NO EQUIVALENT	
EECS 210 DISCRETE STRUCTURES	4	NO EQUIVALENT	

<b>BASIC SCIENCE (17 hours)</b>			
PHSX 211 GENERAL PHYSICS I	4	PHYS 1604 ENGINEERING PHYSICS I	5
EECS 220 ELECTROMAGNETICS I	4	NO EQUIVALENT	
PHSX 313 GENERAL PHYSICS III	4	NO EQUIVALENT	
<b>Natural Science Course (laboratory based)</b>	5	<b>Select ONE course from the following list:</b>	
		LIFE 1402 PRINCIPLES OF BIOLOGY	5
		LIFE 1406 PRINCIPLES OF BOTANY	5
		LIFE 1408 ANATOMY & PHYSIOLOGY	5
		LIFE 1410 PRINCIPLES OF ZOOLOGY	5
		LIFE 1412 PRINCIPLES OF MICROBIOLOGY	5
		LIFE 1413 ENVIRONMENTAL SCIENCE AND	3
		LIFE 1414 ENVIRONMENTAL SCIENCE LAB	2
		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
		PHYS 1600 PHYSICS I	5
		PHYS 1602 PHYSICS II	5
		PHYS 1606 ENGINEERING PHYSICS II	5

<b>ENGINEERING</b>			
*63-64 hours of Engineering courses required		NO EQUIVALENT	

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

The requirements listed above are subject to annual change.