

**BUTLER 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 Requirements**

**Butler County Course Equivalents**

<b>ENGLISH (6 hours)</b>			
ENGL 101 COMPOSITION	3	EG 100 ENGLISH COMP I W/ REVIEW OR	5
		EG 101 ENGLISH COMPOSITION I	3
ENGL 102 CRITICAL READING & WRITING	3	EG 102 ENGLISH COMPOSITION II	3

<b>COMMUNICATION (3 hours)</b>			
COMS 130 SPKR-AUDI COMMUNICATION	3	SP 100 PUBLIC SPEAKING	3
<b>OR</b>			
ENGL 362 FOUNDATIONS OF TECHNICAL WRITING	3	NO EQUIVALENT	

**GENERAL EDUCATION COMPONENT (15 hours)**

<b>ECONOMICS (3 hours)</b>			
*ECON 142 PRIN OF MICROECONMICS (preferred)	3	EC 200 PRINCIPLES OF MICROECONOMICS	3
<b>OR</b>			
ECON 144 PRIN OF MACROECONOMICS	3	EC 201 PRINCIPLES OF MACROECONOMICS	3

<b>POLITICAL SCIENCE ELECTIVE (3 hours)</b>			
<b>Choose one of the following:</b>			
POLS 110 INTRO. TO U.S. POLITICS	3	PO 141 AMERICAN FED GOVT	3
POLS 150 INTRO. TO COMPARATIVE POLITICS	3		
POLS 170 INTRO. TO INTERNATIONAL POLITICS	3	PO 201 INTERNATIONAL RELATIONS	3

<b>ETHICS ELECTIVE (3 hours)</b>			
PHIL 365 MORAL ISSUES IN THE PROFESSIONS	3	NO EQUIVALENT	
<b>OR</b>			
PHIL 375 MORAL ISSUES IN COMPUTER TECHNOLOGY	3	NO EQUIVALENT	

**HUMANITIES AND SOCIAL SCIENCES (6 hours)**  
from the list of Principle Courses as defined by the College of Liberal Arts & Sciences

<b>HUMANITIES</b>			
<b>Historical Studies (HT)</b>		AR 100 ART APPRECIATION	3
		HS 131 U.S. HISTORY I	3
		HS 132 U.S. HISTORY II	3
<b>Literature &amp; the Arts (HL)</b>		MU 100 MUSIC APPRECIATION	3
		MC 206 INTRO TO FILM THEORY	3
		TA 120 HISTORY OF AMERICAN CINEMA	3
<b>Philosophy &amp; Religion (HR)</b>		TA 206 INTRO TO THEATRE ART	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	
<b>SOCIAL SCIENCES</b>			
<b>Culture &amp; Society (SC)</b>		BS 105 SOCIOLOGY	3
		BS 106 INTRO TO ANTHROPOLOGY	3
		SC 120 PRINCIPLES OF GEOGRAPHY	3

<b>Individual Behavior (SI)</b>		BS 160 GENERAL PSYCHOLOGY	3
		BS 260 HUMAN GROWTH & DEVELOPMENT	3
		BS 270 CHILD PSYCHOLOGY	3
		SP 102 INTERPERSONAL COMMUNICATION	3
<b>Public Affairs (SF)</b>		BS 110 CONTEMP SOCIAL PROBLEMS	3
		EC 200 PRINCIPLES OF MICROECONOMICS	3
		EC 201 PRINCIPLES OF MACROECONOMICS	3
		PO 141 AMERICAN FEDERAL GOVERNMENT	3
		PO 201 INTERNATIONAL RELATIONS	3

**GENERAL ELECTIVE**

Students must select 1 course (5 hrs) from the following list.

<b>ENGINEERING ELECTIVE</b>		EN 260 STATICS	3
<b>NATURAL SCIENCE ELECTIVE</b>			
		BI 110 GENERAL BIOLOGY	5
		BI 120 MAJORS BIOLOGY I (ANIMAL)	5
		BI 130 MAJORS BIOLOGY II (PLANT)	5
		BI 226 ANATOMY & PHYSYLGY W/ REVIEW I	4
		BI 227 ANATOMY & PHYSYLGY W/ REVIEW II	4
		BI 240 ANATOMY & PHYSIOLOGY	5
		BI 250 MICROBIOLOGY	5
		CH 115 COLLEGE CHEMISTRY II	5
		CH 230 GENERAL ORGANIC CHEMISTRY	5
		CH 240 ORGANIC CHEMISTRY I	5
		CH 245 ORGANIC CHEMISTRY II	5
		PH 103 DESCRIPTIVE ASTRONOMY	4
		PS 102 PHYSICAL GEOLOGY	4
<b>BUSINESS ELECTIVE</b>			
		BA 109 SMALL BUSINESS MANAGEMENT	3
		BA 110 INTRO TO BUSINESS	3
		BA 115 BUSINESS LAW I	3
		BA 116 BUSINESS LAW II	3
		BA 126 ACCOUNTING I	3
		BA 127 ACCOUNTING II	3
		BA 184 HUMAN RESOURCE MGMT	3
		BA 203 MERCHANDISING	3
		BA 204 MANAGERIAL ACCOUNTING	3
		BA 206 INTERMEDIATE ACCOUNTING	3
		BA 210 PRINCIPLES OF MANAGEMENT	3
		BA 215 PERSONAL SELLING	3
		BA 219 CYBER MARKETING	3
		BA 252 DIRECTED STUDIES	3

**MATHEMATICS (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
MATH 220 APPLIED DIFF. EQUATIONS	3	MA 260 DIFFERENTIAL EQUATIONS	3
MATH 290 ELEMENTARY LINEAR ALGEBR	2	NO EQUIVALENT	
EECS 461 PROBABILITY & STATISTICS	3	NO EQUIVALENT	
EECS 210 DISCRETE STRUCTURES	3	NO EQUIVALENT	

**BASIC SCIENCE (17 hours)**

PHSX 211 GENERAL PHYSICS I	4	PH 251 PHYSICS I	5
EECS 220 ELECTROMAGNETICS I	4	NO EQUIVALENT	
PHSX 313 GENERAL PHYSICS III	4	NO EQUIVALENT	
PHSX 316 GENERAL PHYSICS III LAB	1	NO EQUIVALENT	
One natural science elective chosen from the following list:	5		
ASTR 391			

BIOL 150				
BIOL 152				
GEOG 304				
GEOG 104 and GEOG 105				
GEOL 101			PS 102 PHYSICAL GEOLOGY	
			CH 110 COLLEGE CHEMISTRY I	5
			CH 115 COLLEGE CHEMISTRY II	5
CHEM 184			CH 240 ORGANIC CHEMISTRY I	5
CHEM 188			CH 245 ORGANIC CHEMISTRY II	5
			PH 103 DESCRIPTIVE ASTRONOMY	4

<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.

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

The requirements listed above are subject to annual change.