

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

Number to call at KU for advising: (785) 864-3181

Website: <http://www.me.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 REQUIREMENTS**

**BARTON COUNTY EQUIVALENTS**

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

**GENERAL EDUCATION COMPONENT (15 hours)**

**A minimum of three credits from each of the five groups is required.**

<b>ECONOMICS elective (3 hours)</b>			
ECON 104 INTRO ECONOMICS	4	ECON 1607 INTRO TO ECONOMICS	3
ECON 142 PRINC OF MICROECONOMICS	3	ECON 1612 PRIN OF MICROECONOMICS	3
ECON 143 PRINC OF MICROECON (HON)	3	NO EQUIVALENT	
ECON 144 PRINC OF MACROECONOMICS	3	ECON 1610 PRIN OF MACROECONOMICS	3
ECON 145 PRINC OF MACROECON (HON)	3	NO EQUIVALENT	
<b>COMMUNICATION elective (3 hours)</b>			
COMS 130 SPKR-AUD COMMUNICATION	3	COMM 1230 PUBLIC SPEAKING	3
COMS 131 SPKR-AUD COMM (HONRS)	3	NO EQUIVALENT	
COMS 150 PERSONAL COMMUNICATION	3	NO EQUIVALENT	
COMS 151 PERSONAL COMM (HONRS)	3	NO EQUIVALENT	
COMS 230 FUNDAMENTALS OF DEBATE	3	COMM 1212 FUNDAMENTALS OF DEBATE	3
ENGR 504 TECHNICAL WRITING FOR ENG	1-3	NO EQUIVALENT	
ENGR 514 ENGR COMM TO NON-TECH	3	NO EQUIVALENT	
ENGR 515 VERBAL COMM IN ENGR	1	NO EQUIVALENT	
ENGL 359 GRAMMAR & USAGE FOR COMP	3	NO EQUIVALENT	
ENGL 360 ADVANCED COMPOSITION	3	NO EQUIVALENT	
ENGL 362 PROFESSIONAL WRITING	3	NO EQUIVALENT	
ENGL 385 DEVELOPMENT OF MOD ENGL	3	NO EQUIVALENT	
PHIL 148 REASON & ARGUMENT	3	PHIL 1605 REASON AND ARGUMENT	3
<b>ENVIRONMENTAL CONCERN elect (3 hours)</b>			
ATMO 525 AIR POLLUTION METEOROLGY	3	NO EQUIVALENT	
BIOL 414 PRINCIPLES OF ECOLOGY	3	NO EQUIVALENT	
EVRN 320 ENVIRONMENTAL POLICY	3	NO EQUIVALENT	
GEOG 304 ENVIRONMENTAL CONVRSTN	3	NO EQUIVALENT	
GEOL 302 OCEANOGRAPHY	3	NO EQUIVALENT	
GEOL 351 ENVIRONMENTAL GEOLOGY	3	NO EQUIVALENT	
<b>ETHICS elective (3 hours)</b>			
PHIL 160 INTRO TO ETHICS	3	PHIL 1604 SYSTEMATIC ETHICS <b>OR</b>	3
		PHIL 1606 HUMANITY/ETHICAL DEC MAKING	3
PHIL 180 INTRO TO SOC & POLITICAL PHIL	3	NO EQUIVALENT	
PHIL 360 MORAL ISSUES IN BUSINESS	3	NO EQUIVALENT	
PHIL 365 MORAL ISSUES IN PROFESSIONS	3	NO EQUIVALENT	
PHIL 375 MORAL ISSUES IN COMP TECH	3	NO EQUIVALENT	
PHIL 380 ENVIRONMENTAL ETHICS	3	NO EQUIVALENT	

**CONTEMPORARY ISSUES elective (3 hrs)**

**Culture and Society (SC) courses, which are listed in the Principal Course Distribution Requirement in the Liberal Arts & Sciences section of the undergraduate catalog under Social Sciences and Social Sciences, Honors, plus the Political Science courses listed below:**

POLS 110 INTRO TO U.S. POLITICS	3	POLS 1800 GOVERNMENT OF THE U.S.	3
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POLS 111 INTRO TO U.S. POLITICS (HON)	3		NO EQUIVALENT	
POLS 150 INTRO TO COMPRTVE POLITCS	3		NO EQUIVALENT	
POLS 151 INTR TO COMPRTVE POL (HON)	3		NO EQUIVALENT	
POLS 170 INTRO TO INTERNATNL POLTC	3		POLS 1804 INTERNATIONAL RELATIONS	3
POLS 171 INTRO INTERNATL POL (HON)	3		NO EQUIVALENT	
POLS 310 CONTEMPRY ISSUES U.S. POLTC	3		NO EQUIVALENT	

<b>MATHEMATICS (18 hours)</b>				
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 ALGEB.	2			
MATH 365 ELEMENTARY STATISTICS	3		MATH 1829 ELEMENTS OF STATISTICS	3
<b>OR</b>				
MATH 526 APPLIED MATH. STATISTICS	3		NO EQUIVALENT	

<b>BASIC SCIENCE (13 hours)</b>				
PHSX 211 GENERAL PHYSICS I	4		PHYS 1604 ENGINEERING PHYSICS I	5
PHSX 212 GENERAL PHYSICS II	4		PHYS 1606 ENGINEERING PHYSICS II	5
CHEM 125 COLLEGE CHEMISTRY	5		CHEM 1802 FUNDMNTLS OF GENERAL CHEM	5

<b>COMPUTER SCIENCE (3 hours)</b>				
M E 208 INTRO TO DIGITAL COMP MTHD	3		NO EQUIVALENT	

<b>NUMERICAL METHODS (3 hours)</b>				
M E 508 NUMERICAL METHODS	3		NO EQUIVALENT	

<b>ENGINEERING (55 hours)</b>				
55 hours of Engineering Sciences & Design			NO EQUIVALENT	

<b>APPROVED ELECTIVES (15 hours)</b>				
*Selected from an approved list in consultation with the adviser.				

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.