



Timely completion of prerequisite courses is imperative due to tight sequencing of major courses. Consult KU catalog and seek KU advising early.

- ❖ KU's School of Engineering will accept up to 64 transferable credit hours. In addition to meeting course requirements, the last 30 hours must be completed at KU. A total of 127 credit hours is required for the B.S. in Computer Engineering.
- ❖ Transfer students will have their applications to Engineering School evaluated on a case-by-case basis and must have a minimum GPA of 3.0 to be considered for computer engineering.
- ❖ Either math ACT score greater than 27 or proof of competency in calculus by earning a "C" or better.
- ❖ Application deadline for the School of Engineering is May 1 for fall and summer; December 1 for spring.
- ❖ Pass/Fail Policy: Not acceptable
- ❖ Only courses with grades of "C" or higher at JCCC will apply toward the KU degree.

KU REQUIREMENTS

JCCC EQUIVALENT

I. English (6 hours)			
ENGL 101	Composition	3	
ENGL 102	Critical Reading and Writing	3	
			___ ENGL 121 Composition I 3
			___ ENGL 122 Composition II 3

II. Communications Elective (3 hours)			
COMS 130	Speaker-Audience Comm. <u>OR</u>	3	
ENGL 362	Professional Writing		
			___ SPD 121 Public Speaking <u>OR</u> 3
			___ ENGL 123 Technical Writing I 3

III. Humanities and Social Science (15 hours)			
(Principal Course Distribution)			
A. Economics		3	
			___ ECON 230 Economics I <u>OR</u>
			___ ECON 231 Economics II (preferred) 3

B. An additional 12 hours of Humanities/Social Science electives.
 JCCC courses that fulfill Humanities/Social Science requirements are listed below. Select four courses.

Humanities

1. Historical Studies (HT)				2. Literature and the Arts (HL)			
___ ANTH 142	World Prehistory	3		___ HUM 122	Intro to Humanities		3
___ ANTH 144	Archaeology	3		___ HUM 145	Intro to World Humanities I		3
___ ARTH 180	Art History: Ancient to Renaissance	3		___ ENGL 250	World Masterpieces		3
___ ARTH 184	Art History: Twentieth Century	3		___ HIST 135	Eastern Civilization		3
___ ARTH 186	Art History: Intro to Asian Art	3		___ HUM 155	Classical Mythology		3
___ HIST 128	Medieval History	3		___ THEA 120	Introduction to Theater		3
___ HIST 129	Early Modern Europe	3					
___ HIST 130	European History since 1789	3		3. Philosophy and Religion (HR)			
___ HIST 140	U.S. History to 1877	3		___ PHIL 121	Introduction to Philosophy		3
___ HIST 141	U.S. History from 1877	3		___ PHIL 143	Ethics		3
___ HIST 160	Modern Russian History	3		___ PHIL 154	History of Ancient Philosophy		3
___ HIST 162	Modern Latin America	3		___ PHIL 176	Philosophy of Religion		3
___ HUM 137	Intro to Russian Culture	3		___ PHIL 210	History of Modern Philosophy		3
___ MUS 121	Intro to Music Listening	3		___ REL 120	Exploring World Religions		3
___ MUS 125	Intro to Jazz Listening	3		___ REL 125	Religions of the East		3
				___ REL 126	Religions of the West		3

Note: Up to 6 hours maximum of foreign language coursework count toward humanities if student is NOT native speaker of that language.

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Humanities and Social Science (continued)

Social Science

1. Culture and Society (SC)

___	ANTH 125	Cultural Anthropology	3
___	GEOS 145	World Regional Geography	3
___	HIST 137	African American Studies	3
___	SOC 122	Intro to Sociology	3
___	SOC 131	Marriage and the Family	3
___	SOC 165	Chinese Soc: Past and Present	3

3. Public Affairs (SF)

___	POLS 122	Political Science	3
___	POLS 124	American National Government	3
___	POLS 126	State and Local Government	3
___	POLS 132	Comparative Government	3
___	POLS 135	International Relations	3
___	SOC 125	Social Problems	3

2. Individual Behavior (SI)

___	PSYC 130	Intro to Psychology	3
___	PSYC 215	Child Development	3
___	PSYC 218	Human Development	3
___	SPD 120	Interpersonal Communications	3

III. Mathematics (22 hours)

MATH 121	Calculus I	5
MATH 122	Calculus II	5
MATH 220	Applied Differential Equations	3
MATH 290	Elementary Linear Algebra	2
MATH 461	Probability and Statistics	3
EECS 210	Discrete Structures	4

___	MATH 241	Calculus I	5
___	MATH 242	Calculus II <u>AND</u>	
___	MATH 243	Calculus III	10
___	MATH 254	Differential Equations	4
___	MATH 246	Elementary Linear Algebra	3
		No equivalent	
___	CS 210	Discrete Structures I <u>AND</u>	3
___	CS 211	Discrete Structures II	3

Students must take both MATH 242 Calculus II AND MATH 243 Calculus III at JCCC to count as MATH 122 at KU.

IV. Basic Science (12 hours)

Physics - 12 hours

PHSX 211	General Physics	4
EECS 220	Electromagnetics I	4
PHSX 313	General Physics	4

___	PHYS 220	Engineering Physics I	5
		No Equivalent	
		No Equivalent	

V. Computer Engineering (66 hours)

EECS 140	Intro to Digital Logic Design	4
EECS 168	Programming I	4
EECS 268	Programming II	4
	Professional elective	3

		No Equivalent	
___	CS 200	Concepts of Prog Algorithms/C++ (See catalog for prerequisite)	4
___	CS 250	Basic Programming Structures	4
___	ENGR 251	Statics	3

RECOMMENDED ONE-YEAR PROGRAM AT JCCC

		<u>FIRST SEMESTER</u>	
ENGL 121	Composition I		3
MATH 241	Calculus I		5
	Humanities or Soc Sci course		3
	Economics course		<u>3</u>
			14

		<u>SECOND SEMESTER</u>	
ENGL 122	Composition II		3
MATH 242	Calculus II		5
PHYS 220	Engineering Physics I		5
CS 200	Concepts of Programming Algorithms/C++		<u>4</u>
			17

SUMMER SEMESTER

MATH 243	Calculus III	5
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Note: It is recommended that students transfer after the summer semester at JCCC.