



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; 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 121	Composition I	3
ENGL 102	Critical Reading and Writing	3	___ ENGL 122	Composition II	3

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

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

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

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 (15 hours)

Physics - 12 hours

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

Natural Science course (A lab is not required) 3

___	PHYS 220	Engineering Physics I	5
		No Equivalent	
		No Equivalent	

Select one from the following:

___	BIOL 135	Principles of Cell and Molecular Biology	4
___	CHEM 124/125	Gen Chemistry I/Lab	4/1
___	CHEM 131/132	Gen Chemistry II/Lab	4/1
___	GEOS 130	General Geology	5
___	GEOS 140	Physical Geography	3

V. Computer Engineering (64 hours)

EECS 140	Intro to Digital Logic Design	4
EECS 168	Programming I	4
EECS 268	Programming II	4
	General elective	5

		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>				<u>SECOND SEMESTER</u>			
ENGL 121	Composition I	3		ENGL 122	Composition II	3	
MATH 241	Calculus I	5		MATH 242	Calculus II	5	
	Natural Science elective	3-5		PHYS 220	Engineering Physics I	5	
	Humanities or Soc Sci course	3			Economics course <u>OR</u>	3	
		14-16		CS 200	Concepts of Programming Algorithms/C++	4	
							16-17
<u>SUMMER SEMESTER</u>							
	MATH 243	Calculus III				5	

Note: It is recommended that students transfer after the summer semester at JCCC.

It is the STUDENT'S RESPONSIBILITY to check for updates to all transfer information. This transfer program is provided as a service and is updated at least annually. Degree requirements at the four-year colleges are subject to change by those institutions.