



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 of course work must be completed at KU. A total of 128 credit hours is required for the BSCS degree.
- ❖ 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 science.
- ❖ 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 degree at KU.

**KU REQUIREMENTS**

**JCCC EQUIVALENTS**

<b>I. English (9 hours)</b>			
ENGL 101	Composition		3
ENGL 102	Critical Reading and Writing		3
Plus a third semester English requirement			
ENGL 362	Professional Writing is strongly recommended.		
(Any of the courses shown to the right will meet this requirement.)			
___	ENGL 121	Composition I	3
___	ENGL 122	Composition II	3
___	ENGL 123	Technical Writing (recommended) <u>OR</u>	3
One of the following:			
___	ENGL 130	Introduction to Literature	3
___	ENGL 217	Literature by Women	3
___	ENGL 222	Advanced Composition	3
___	ENGL 227	Introduction to Poetry	3
___	ENGL 230	Introduction to Fiction	3
___	ENGL 231	American Prose	3
___	ENGL 235	Drama as Literature	3
___	ENGL 243	Literature of Science Fiction	3
___	ENGL 244	Literature of Popular American Music	3
___	ENGL 250	World Masterpieces	3
___	ENGL 254	Masterpieces of the Cinema	3
___	ENGL 256	American Poetry	3

<b>II. Oral Communication (3 hours)</b>			
COMS 130	Speaker-Audience Communication		3
___	SPD 121	Public Speaking	3

<b>III. Humanities and Social Science (18 hours)</b>			
<b>A. Humanities (9 hours)</b>			
Three courses from at least two different subgroups (1, 2 and 3) of JCCC courses below.			
<b>1. Historical Studies (HT)</b>			
___	ANTH 142	World Prehistory	3
___	ANTH 144	Archaeology	3
___	ARTH 180	Art History: Ancient to Renaissance	3
___	ARTH 184	Art History: Twentieth Century	3
___	ARTH 186	Art History: Intro to Asian Art	3
___	HIST 128	Medieval History	3
___	HIST 129	Early Modern Europe	3
___	HIST 130	European History since 1789	3
___	HIST 140	U.S. History to 1877	3
___	HIST 141	U.S. History from 1877	3
___	HIST 160	Modern Russian History	3
___	HIST 162	Modern Latin America	3
___	HUM 137	Intro to Russian Culture	3
___	MUS 121	Intro to Music Listening	3
___	MUS 125	Intro to Jazz Listening	3
<b>2. Literature and the Arts (HL)</b>			
___	HUM 122	Intro to Humanities	3
___	HUM 145	Intro to World Humanities I	3
___	HUM 155	Classical Mythology	3
___	ENGL 250	World Masterpieces	3
___	HIST 135	Eastern Civilization	3
___	THEA 120	Introduction to Theater	3
<b>3. Philosophy and Religion (HR)</b>			
___	PHIL 121	Introduction to Philosophy	3
___	PHIL 143	Ethics	3
___	PHIL 154	History of Ancient Philosophy	3
___	PHIL 176	Philosophy of Religion	3
___	PHIL 210	History of Modern Philosophy	3
___	REL 120	Exploring World Religions	3
___	REL 125	Religions of the East	3
___	REL 126	Religions of the West	3
<b>NOTE:</b> Up to 6 hours of foreign language (other than English or a student's native language) may count toward humanities/social science credit.			

**B. Social Science (9 hours)**

Three courses from at least two different subgroups (1, 2 and 3) of JCCC courses.

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 Communication	3

3. Public Affairs (SF)

___	ECON	132	Survey of Economics	3
___	ECON	230	Economics I	3
___	ECON	231	Economics II	3
___	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

**IV. Mathematics**

MATH	121	Calculus I	5
MATH	122	Calculus II	5
MATH	223	Vector Calculus	3
MATH	290	Elementary Linear Algebra	2
EECS	210	Discrete Structures	4

___	MATH	241	Calculus I	5
___	MATH	242	Calculus II	5
___	MATH	243	Calculus III	5
___	MATH	246	Elementary Linear Algebra	3
___	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 and MATH 223 at KU.

**V. Basic Science (11 hours)**

PHSX	211	General Physics I <u>AND</u>	4
PHSX	212	General Physics II	4

One additional course selected from: (3 hrs)  
(ASTR 391; BIOL 150, 152, 413; CHEM 184, 188;  
GEOG 104/105, 304; GEOL 101).

___	PHYS	220	Engineering Physics I <u>AND</u>	5
___	PHYS	221	Engineering Physics II	5

Select one additional course from the following:

___	BIOL	135	Principles of Cell and Molecular Biology	4
___	BIOL	150	Biology of Organisms	5
___	CHEM	124/125	General Chemistry I/Lab	4/1
___	CHEM	131/132	General Chemistry II/Lab	4/1
___	GEOS	130	General Geology	5
___	GEOS	140/141	Physical Geography/Lab	3/2

**VI. Computer Science (65 hours)**

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

No equivalent				
___	CS	200	Concepts of Prog Algorithms Using C++ (see catalog for prerequisite)	4
___	CS	250	Basic Programming Structures	4

**VII. Philosophy (3 hours)**

PHIL	375	Moral Issues in Computer Tech	3
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No equivalent (may be offered at KU Edwards campus)

**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
		Humanities, Social Science or Science Electives	<u>6-8</u>			Humanities, Social Science or Science Electives	3-5
			14-16	PHYS	220	Engineering Physics I	<u>5</u>
							16-18
<u>SUMMER SEMESTER</u>							
		MATH	243	Calculus III			5

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