



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 128 credit hours is required for the B.S.E.E. 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 electrical engineering.
- ❖ Either math ACT score greater than 27 or proof of competency in calculus by earning a "C" or better.
- ❖ Admission 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 (6 courses)</b>							
ENGL 101	Composition		3	___ ENGL 121	Composition I		3
ENGL 102	Critical Reading and Writing		3	___ ENGL 122	Composition II		3
<b>II. Communications Elective (3 hours)</b>							
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
<b>III. Humanities and Social Science (15 hours)</b> (Principal Course Distribution)							
A. Economics			3-4	___ ECON 230	Economics I <u>OR</u>		3
				___ 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)
  - \_\_\_ ANTH 142 World Prehistory 3
  - \_\_\_ ANTH 144 Archaeology 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 since 1877 3
  - \_\_\_ HIST 160 Modern Russian History 3
  - \_\_\_ HIST 162 Modern Latin America 3
  - \_\_\_ HUM 137 Intro to Russian Culture 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
  - \_\_\_ MUS 121 Intro to Music Listening 3
  - \_\_\_ MUS 125 Intro to Jazz Listening 3
2. Literature and the Arts (HL)
  - \_\_\_ HUM 122 Intro to Humanities 3
  - \_\_\_ HUM 145 Intro to World Humanities I 3
  - \_\_\_ HUM 155 Classical Mythology 3
  - \_\_\_ HIST 135 Eastern Civilization 3
  - \_\_\_ ENGL 250 World Masterpieces 3
  - \_\_\_ THEA 120 Introduction to Theater 3
3. Philosophy and Religion (HR)
  - \_\_\_ 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
- 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 Society: Past and Present 3
  2. Individual Behavior (SI)
    - \_\_\_ PSYC 130 Introduction to Psychology 3
    - \_\_\_ PSYC 215 Child Development 3
    - \_\_\_ PSYC 218 Human Development 3
    - \_\_\_ SPD 120 Interpersonal Communication 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 Intro Comp Governments 3
    - \_\_\_ POLS 135 International Relations 3
    - \_\_\_ SOC 125 Social Problems 3

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

**KU REQUIREMENTS****JCCC EQUIVALENTS**

<b>IV. Mathematics (18 hours)</b>							
MATH 121	Calculus I	5		_____ MATH 241	Calculus I	5	
MATH 122	Calculus II	5		_____ MATH 242	Calculus II <u>AND</u>		
				_____ MATH 243	Calculus III	10	
MATH 220	Applied Differential Equations	3		_____ MATH 254	Differential Equations	4	
MATH 290	Elementary Linear Algebra	2		_____ MATH 246	Elementary Linear Algebra	3	
MATH 461	Probability and Statistics	3			No Equivalent		
				Students must take both MATH 242 Calculus II <u>AND</u> MATH 243 Calculus III at JCCC to count as MATH 122 at KU.			

<b>V. Basic Science (17 hours)</b>							
PHSX 211	General Physics I	4		_____ PHYS 220	Engineering Physics I	5	
EECS 220	Electromagnetics I	4			No Equivalent		
PHSX 313/316	General Physics III/Lab	3/1			No Equivalent		
				_____ CHEM 124/125	Gen Chemistry I/Lab	4/1	
CHEM 150	Chemistry for Engineers	5					

<b>VI. Electrical Engineering (63 hours)</b>							
EECS 168	Programming I	4		_____ CS 200	Concepts of Prog Algorithms/C++ (See catalog for prerequisite.)	4	

**RECOMMENDED ONE-YEAR PROGRAM AT JCCC****FIRST SEMESTER**

ENGL 121	Composition I	3	
MATH 241	Calculus I	5	
CHEM 124/125	Gen Chemistry/Lab	4/1	
	Humanities or Soc Sci course	<u>3</u>	
		16	

**SECOND SEMESTER**

ENGL 122	Composition II	3	
MATH 242	Calculus II	5	
PHYS 220	Engineering Physics I	5	
CS 200	Concepts of Prog Algorithms/C++ <u>OR</u>	4	
	Economics course	<u>3</u>	
		16-17	

**SUMMER SEMESTER**

MATH 243	Calculus III	5	
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IMPORTANT NOTE: It is recommended that a student transfer after the summer semester at JCCC.