



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

- ❖ Sixty-four credits may be transferred to KU from community colleges. A total of 137 credit hours is required for the B.S. in Aerospace Engineering.
- ❖ Transfer students will have their applications to Engineering School evaluated on a case-by-case basis and must have a minimum GPA of 2.5 to be considered.
- ❖ Either math ACT score greater than 22 or proof of competency in calculus (grade of C or higher) is required.
- ❖ Application deadline for the School of Engineering is May 1 for fall and summer; December 1 for spring.
- ❖ Admission is selective. Meeting minimum requirements does not guarantee admission.
- ❖ Pass/Fail Policy: Not acceptable
- ❖ Transfer credits must have a grade of "C" or higher to be applied toward the degree.

**KU REQUIREMENTS**

**JCCC EQUIVALENTS**

<b>I. English (6 hours)</b>							
ENG 101	Composition	3		ENGL 121	Composition I	3	
ENG 102	Critical Reading and Writing	3		ENGL 122	Composition II	3	
<b>II. Economics (3 hours)</b>							
		3		ECON 230	Economics I OR		
				ECON 231	Economics II		3

**III. Humanities and Social Sciences (11 hours)**

JCCC courses that fulfill Humanities and Social Sciences requirements are listed in both columns below. Select at least one course from (A) Humanities and one course from (B) Social Sciences. At least two courses must be from the same department in either (A) Humanities or (B) Social Sciences. The departments are separated by the broken lines.

**A. Humanities (minimum 3 hours)**

___ ENGL 130	Introduction to Literature	3
___ ENGL 140	Writing for Interactive Media	3
___ ENGL 205	Bible as Literature	3
___ ENGL 215	U.S. Latino and Latina Literature	3
___ ENGL 217	Literature by Women	3
___ ENGL 227	Introduction to Poetry	3
___ ENGL 230	Intro to Fiction	3
___ ENGL 231	American Prose	3
___ ENGL 232	Children's Literature	3
___ ENGL 235	Drama as Literature	3
___ ENGL 236	British Literature I	3
___ ENGL 237	British Literature II	3
___ ENGL 243	Literature of Sci Fiction	3
___ ENGL 250	World Masterpieces	3
___ ENGL 254	Masterpieces of Cinema	3
___ ENGL 256	American Poetry	3

___ HIST 162	Modern Latin America	3
___ HIST 164	Japan: The Changing Tradition	3
___ HIST 167	Intro to History: Japan	3
___ HIST 195	History of the Middle East	3
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___ ANTH 135	American Indian Artistic Tradition	3
___ ANTH 144	Archaeology	3
___ ARTH 180	Art History: Ancient to Renaissance	3
___ ARTH 182	Art History: Renaissance to Modern	3
___ ARTH 184	Art History: Twentieth Century	3
___ ARTH 186	Art History: Intro to Asian Art	3
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___ HUM 122	Introduction to Humanities	3
___ HUM 137	Intro to Russian Culture	3
___ HUM 145	Intro to World Humanities I	3
___ HUM 146	Intro to World Humanities II	3
___ HUM 164	Civilization	3

___ HIST 120	Local and Kansas History	3
___ HIST 125	Western Civilization I	3
___ HIST 126	Western Civilization II	3
___ HIST 128	Medieval History	3
___ HIST 129	Early Modern Europe	3
___ HIST 130	European Hist since 1789	3
___ HIST 132	History of Africa	3
___ HIST 135	Eastern Civilization	3
___ HIST 137	African American Studies	3
___ HIST 140	U.S. History to 1877	3
___ HIST 141	U.S. History from 1877	3
___ HIST 150	Islam: Religion and Civilization	3
___ HIST 151	World History I	3
___ HIST 152	World History II	3
___ HIST 160	Modern Russian History	3

___ PHIL 121	Introduction to Philosophy	3
___ PHIL 124	Logic and Critical Thinking	3
___ PHIL 142	History of Asian Philosophy	3
___ PHIL 143	Ethics	3
___ PHIL 154	History of Ancient Philosophy	3
___ PHIL 161	Elementary Symbolic Logic	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
___ REL 150	Islam: Religion and Civilization	3
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___ THEA 120	Introduction to Theater	3
___ THEA 131	Voice and Speech	3

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**III. Humanities and Social Sciences (continued)****A. Humanities (minimum 3 hours) (continued)**

___	MUS 121	Intro to Music Listening	3
___	MUS 125	Intro to Jazz Listening	3
___	MUS 126	Intro to World Music	3
___	MUS 128	History of Rock & Roll	3

**B. Social Sciences (minimum 3 hours)**

___	ANTH 125	Cultural Anthropology	3
___	ANTH 130	World Cultures	3
___	ANTH 134	Native Americans	3
___	ANTH 142	World Prehistory	3
___	ANTH 150	People and Cultures of Mesoamerica	3
___	ANTH 153	The Anthropology of the Paranormal & Supernatural	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

___	PSYC 121	Applied Psychology	3
___	PSYC 130	Intro to Psychology	3

___	PSYC 200	Industrial and Organizational Psyc	3
___	PSYC 205	Human Sexuality	3
___	PSYC 210	Methodology in Social Science	3
___	PSYC 220	Social Psychology	3
___	PSYC 221	Environmental Psychology	3
___	PSYC 230	Personality Theory	3

___	SOC 122	Intro to Sociology	3
___	SOC 125	Social Problems	3
___	SOC 152	Perspectives on Aging	3
___	SOC 165	Chinese Soc: Past and Present	3
___	SOC 205	Sociology of Food	3

___	PSYC 215	Child Development	3
___	PSYC 218	Human Development	3
___	SOC 131	Marriage and the Family	3

___	WGS 201	Global Women's Studies	3
___	WGS 220	The Many Women of Islam	3

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

**IV. Mathematics**

MATH 121	Calculus I	5
MATH 122	Calculus II	5
MATH 223	Vector Calculus	3
MATH 290	Elementary Linear Algebra	2
MATH 220	Applied Differential Equations	3

___	MATH 241	Calculus I	5
___	MATH 242	Calculus II <u>AND</u>	5
___	MATH 243	Calculus III	5
___	MATH 246	Elementary Linear Algebra	3
___	MATH 254	Differential Equations	4

Students must take both MATH 242 Calculus II AND MATH 243 Calculus III at JCCC to count as MATH 223 and 290 at KU.

**V. Natural Science**

PHSX 211	General Physics I	4
PHSX 212	General Physics II	4
CHEM 184	Foundations of Chemistry I	5

___	PHYS 220	Engineering Physics I	5
___	PHYS 221	Engineering Physics II	5
___	CHEM 124/125	Gen Chem I/Lab	4/1

**VI. Engineering Science (19 hours)**

CE 301	Statics & Dynamics	5
C&PE 121	Intro to Comp in Engr <u>OR</u>	3
EECS 138	Intro to Computing	3

___	ENGR 251	Statics <u>AND</u>	3
___	ENGR 254	Dynamics	3
___	ENGR 171	Programming for Engr and Sci	3
No Equivalent			

**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
ENGR 171	Programming for Engr and Sci	<u>3</u>
		16

**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.**