



The Associate of Arts degree (A.A.) at JCCC is a general transfer degree and partners well with the first two years of most bachelor degree programs. Students pursuing the A.A. may select courses that satisfy both the A.A. degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The 33 hours of electives within the A.A. allows students to complete additional general education and lower division courses required for specific majors. The A.A. degree requires completion of 64 credit hours, the maximum number of hours from a community college that will be applied toward a bachelor's degree at most four-year schools. Meeting with a JCCC counselor is strongly recommended for selection of appropriate courses.

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 132 credit hours is required for the B.S. in Chemical Engineering; 133 credit hours for the B.S. in Petroleum 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 by earning a grade of "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.

I. English (9 hours)			
ENGL 101	Composition	3	
ENGL 102	Critical Reading and Writing	3	
Plus a third English course		3	
*Technical Writing Not Allowed			
Any one course -----			
___ ENGL	121	Composition I	3
___ ENGL	122	Composition II	3
___ ENGL	130	Introduction to 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	243	Literature of Sci Fiction	3
___ ENGL	250	World Masterpieces	3
___ ENGL	254	Masterpieces of Cinema	3
___ ENGL	256	American Poetry	3

II. Humanities and Social Sciences (12 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	___ HIST	120	Local and Kansas History	3
___ ENGL	140	Writing for Interactive Media	3	___ HIST	125	Western Civilization I	3
___ ENGL	205	Bible as Literature	3	___ HIST	126	Western Civilization II	3
___ ENGL	215	U.S. Latino and Latina Literature	3	___ HIST	128	Medieval History	3
___ ENGL	217	Literature by Women	3	___ HIST	129	Early Modern Europe	3
___ ENGL	227	Introduction to Poetry	3	___ HIST	130	European Hist since 1789	3
___ ENGL	230	Intro to Fiction	3	___ HIST	132	History of Africa	3
___ ENGL	231	American Prose	3	___ HIST	135	Eastern Civilization	3
___ ENGL	232	Children's Literature	3	___ HIST	137	African American Studies	3
___ ENGL	235	Drama as Literature	3	___ HIST	140	U.S. History to 1877	3
___ ENGL	236	British Literature I	3	___ HIST	141	U.S. History from 1877	3
___ ENGL	237	British Literature II	3	___ HIST	150	Islam: Religion and Civilization	3
___ ENGL	243	Literature of Sci Fiction	3	___ HIST	151	World History I	3
___ ENGL	250	World Masterpieces	3	___ HIST	152	World History II	3
___ ENGL	254	Masterpieces of Cinema	3				
___ ENGL	256	American Poetry	3				

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KU REQUIREMENTS**JCCC EQUIVALENTS****II. Humanities and Social Sciences (continued)****A. Humanities (minimum 3 hours) (continued)**

___	HIST	160	Modern Russian History	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

___	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

___	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

___	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

___	THEA	120	Introduction to Theater	3
___	THEA	131	Voice and Speech	3

___	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	131	Marriage and the Family	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

___	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.

KU REQUIREMENTS**JCCC EQUIVALENTS****III. Mathematics (15-18 hours)**

___	MATH	121	Calculus I	5
___	MATH	122	Calculus II	5
___	MATH	220	Differential Equations	3
___	MATH	223	Vector Calculus (Opt. A only)	3
___	MATH	290	Elementary Linear Algebra	2

___	MATH	241	Calculus I	5
___	MATH	242	Calculus II	5
___	MATH	254	Differential Equations	4
___	MATH	243	Calculus III	5
___	MATH	246	Elementary Linear Algebra	3

IV. Basic Sciences**Physics**

___	PHSX	211	General Physics I	4
___	PHSX	212	General Physics II	4

Chemistry

___	CHEM	184	Foun of Chemistry I	5
___	CHEM	188	Foun of Chemistry II	5
___	CHEM	622	Fund of Organ Chem (for Petr Engr only)	3
___	CHEM	624/625	Organic Chemistry (for Chem Engr only)	3/2

___	GEOL	101	Intro to Geology (Petr Engr only)	5
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___	PHYS	220	Engineering Physics I	5
___	PHYS	221	Engineering Physics II	5

___	CHEM	124/125	Gen Chemistry I/Lab	4/1	
___	CHEM	131/132	Gen Chem II/Lab	4/1	
†	___	CHEM	140	Prin of Organ Chem (for Petr Engr only)	5
†	___	CHEM	220	Organic Chemistry I (for Chem Engr only)	5

___	GEOS	130	Gen Geology (Petr Engr only)	5
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† Satisfies the requirement but does not count toward junior/senior hours.

KU REQUIREMENTS**JCCC EQUIVALENTS**

V. Engineering								
C&PE	121	Intro to Computers in Engr	3	___	ENGR	171	Prog for Engr and Sci	3
Engineering Electives -- 12 hours		Chemical Engineering		___	ENGR	251	Statics <u>AND</u>	3
		13 hours Petroleum Engineering		___	ENGR	254	Dynamics	3

<u>RECOMMENDED PROGRAM AT JCCC</u>							
<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
CHEM	124/125	Gen Chemistry/Lab	4/1	CHEM	131/132	Gen Chemistry II/Lab	4/1
		Humanities or Soc Sci course	<u>3</u>	ENGR	171	Programming for Engr and Sci	<u>3</u>
			16				16
<u>THIRD SEMESTER</u>				<u>FOURTH SEMESTER</u>			
PHYS	220	Engineering Physics I	5	PHYS	221	Engr Physics II	5
CHEM	220	Organic Chem I (Chem Engr) <u>OR</u>	5	CHEM	140	Prin Organic Chem (Petr Engr)	5
GEOS	130	General Geology (Petr Engr)	5			Humanities or Soc Sci (Chem Engr)	3
		Humanities, Social Science (Chem Engr)	3	MATH	244	Differential Equations	3
MATH	243	Calculus III	<u>5</u>	MATH	246	Elementary Linear Algebra	<u>3</u>
			18				16

* NOTE: It is to the student's advantage to take KU's CPE 211 Material and Energy Balances before the junior year at KU. (Available in KU summer session.) 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.