



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.

- ❖ The Bachelor of Science in Molecular Biosciences is designed for individuals who are seeking degrees or training that will enhance their professional qualifications. The Molecular Biosciences degree will give students a solid background in genetics, microbiology, cell biology and biochemistry, as well as laboratory skills in genetics and microbiology. This program can also prepare a student for graduate or health-related professional schools.
- ❖ The program is geared for students who already have earned an associate's degree or equivalent hours and are looking to complete the last two years necessary for a bachelor's degree. Most courses in the program will be offered in the evenings at the KU Edwards Campus, allowing students to work full time without relocating and still complete the bachelor degree requirements in a timely manner.
- ❖ Students are admitted for fall, spring or summer semesters. In-state applicants must have at least 24 credit hours with a 2.0 or higher GPA from a Kansas community college, Kansas college or university. Out-of-state applicants must have at least 24 credit hours with a 2.5 or higher GPA from a community college or another regionally accredited college or university. The standard KU application for admission is used for undergraduate programs at the KU Edwards Campus.
- ❖ Only grades of C or better are accepted in transfer toward a degree in the College of Liberal Arts and Sciences.
- ❖ **Sixty-four credit hours may be transferred to KU from community colleges. This degree requires 124 credit hours, including 45 junior/senior hours and 100 hours in liberal arts and sciences.**

KU Requirements

JCCC Equivalents

I. English (3 courses)				
101	English Composition	3	___ ENGL 121	Composition I 3
102	Critical Reading and Writing	3	___ ENGL 122	Composition II 3
	Plus a third English requirement satisfied by taking one of the following: 203, 205, 209, 210, 211 or *362.	3		Select one of the following:
	Any one of these courses will satisfy this requirement.		___ ENGL 130	Introduction to Literature 3
	*ENGL 362 is offered regularly at the KU Edwards Campus.		___ 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 Sci Fiction 3
			† ___ ENGL 250	World Masterpieces 3
			___ ENGL 254	Masterpieces of Cinema 3
			___ ENGL 256	American Poetry 3
				† Courses may not be used to satisfy more than one area requirement.

II. Argument and Reason (one course)

(Exemption is granted through the communication studies department by petition--one year of high school work in speech/debate with B or better or approved coursework and special experiences may substitute.)

One of the following is required:			Select one of the following:	
COMS 130	Speaker-Audience Communication	3	___ SPD 121	Public Speaking 3
COMS 230	Fundamentals of Debate	3	___ SPD 130	Elementary Debate 3
PHIL 148	Reason and Argument	3	___ PHIL 124	Logic and Critical Thinking 3

III. Humanities, Social Sciences and/or Foreign Language

One course in both humanities and social sciences is required. Select three additional courses from humanities, social sciences or foreign language. Not more than one course may be selected from each subgroup (1, 2 or 3) of JCCC humanities and social science courses below.

Humanities

1. Historical Studies (HT)
 - ___ ANTH 142 World Prehistory 3
 - ___ ANTH 144 Archaeology 3
 - ___ HIST 128 Medieval Europe 3
 - ___ HIST 129 Early Modern Europe 3
 - ___ HIST 130 European History since 1789 3
 - ___ HIST 140 US History to 1877 3
 - ___ HIST 141 US 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 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 Intro 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 Sciences

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 & 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 Intro to Comp Government 3
 - ___ POLS 135 International Relations 3
 - ___ SOC 125 Social Problems 3

Foreign Language

- ___ Any JCCC course with FL prefix, elementary I level or higher 5

† Courses may not be used to satisfy more than one area requirement.

IV. Western Culture (2 courses)

- HWC 204 Western Civilization I 3
- HWC 205 Western Civilization II 3

- ___ HIST 125 Western Civilization I 3
- ___ HIST 126 Western Civilization II 3

KU Requirements**JCCC Equivalents**

V. General Science Requirements (34 hours)							
CHEM 184	Foundations of Chemistry I		5	_____ CHEM 124/125	Gen. Chemistry I/Lab		4/1
CHEM 188	Foundations of Chemistry II		5	_____ CHEM 131/132	Gen. Chemistry II/Lab		4/1
CHEM 624/625	Organic Chemistry I/Lab		3/2	_____ *CHEM 220	Organic Chemistry I		5
CHEM 626/627	Organic Chemistry II/ Lab		3/2	_____ *CHEM 221	Organic Chemistry II		5
PHSX 114	College Physics I	<u>AND</u>	4	_____ PHYS 130	General Physics I	<u>AND</u>	5
PHSX 115	College Physics II	<u>OR</u>	4	_____ PHYS 131	General Physics II	<u>OR</u>	5
PHSX 211	General Physics I	<u>AND</u>	4	_____ PHYS 220	Engineering Physics I	<u>AND</u>	5
PHSX 212	General Physics II		4	_____ PHYS 221	Engineering Physics II		5
MATH 115	Calculus I	<u>AND</u>	3	_____ MATH 231	Business and Applied Calculus I	<u>AND</u>	3
MATH 116	Calculus II		3	_____ MATH 232	Business and Applied Calculus II		3
		<u>OR</u>		_____ MATH 241	Calculus I		5
MATH 121	Calculus I		5	_____	No equivalent course		
BIOL 570	Intro to Biostatistics	<u>OR</u>	3	_____ *MATH 181	Statistics		3
MATH 365	Elementary Statistics	<u>OR</u>	3	_____	No equivalent course		
PSYC 300	Statistics in Psychological Research		3				

*Transfers to meet the requirement but will not count as junior/senior hours.

VI. Molecular Biosciences Requirements (29 hours)							
BIOL 150	Princ. of Molecular & Cellular Biol		4	_____ BIOL 135	Principles of Cell and Molecular Biology		4
BIOL 152	Princ. of Organismal Biology		4	_____ BIOL 150	Biology of Organisms		5
BIOL 400/402	Fund. of Microbiology/Lab		3/2	These upper division hours will be taken at the KU Edwards Campus.			
BIOL 350/405	Intro to Genetics/Lab		3/2				
BIOL 416	Cell Structure and Function		3				
BIOL 430	Lab in Molecular Biology		3				
BIOL 599	Senior Seminar in Molecular Biosciences		1				
BIOL 600	Introductory Biochemistry		4				

VII. General Biology Electives, Seminar and Laboratory Requirements (11 hours)			
BIOL courses numbered 400 or higher, including at least 2 hours of lab credit and 2 hours of a seminar/topics course.			
These courses will be taken at the KU Edwards Campus.			