

Biotechnology, BS

University of Kansas - Edwards Campus

Johnson County Community College Transfer Program to the University of Kansas, Edwards Campus	Academic Success Navigators
School of Professional Studies	913#897#8539
Biotechnology, Bachelor of Science	professionalstudies@ku.edu
Academic Year 2025-2026	https://sps.ku.edu/programs/biotech

Program Description

The program is geared for students who already have earned an associate degree or equivalent hours and are looking to complete the last two years necessary for a bachelor's degree. Courses will be offered in the morning and afternoons at the KU Edwards Campus. Students can progress through the program without relocating and complete bachelor's degree requirements in a timely manner.

The Associate of Arts, AA (<https://catalog.jccc.edu/degree/requirements/associate-arts/>) at JCCC is a general transfer degree and partners well with the first two years of most bachelor degree programs. Students pursuing the AA may select courses that satisfy both the AA degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the AA allow students to complete additional general education and lower division courses required for specific majors. The AA degree requires completion of 60 credit hours. Meeting with a JCCC counselor (<https://www.jccc.edu/student-resources/counseling/academic-counseling/>) is strongly recommended for selection of appropriate courses.

The Bachelor of Science in Biotechnology is grounded in biological sciences, chemistry and advanced technology, and employs biological systems to solve scientific challenges that impact society. This program requires selecting one of 3 minors (Discovery and Innovation in Biotechnology, Forensic Science, or PreHealth Professions) and prepares students for diverse career options such as:

- developing drugs and therapies for humans, pets, and agricultural animals (Discovery and Innovation)
- producing or manufacturing biological materials like vaccines (Discovery and Innovation)
- engaging in basic research into living systems (Discovery and Innovation, Pre-Health Professions)
- working in food science such as in a local brewery (Discovery and Innovation, Pre-Health Professions)
- assisting in law enforcement by analyzing crime scene evidence (Forensic Science)

Admissions Requirements

Applicants are assured admission with 24+ transferable credit hours with a GPA of 2.5. Only transfer grades of "C-" or higher will count towards KU degree requirements. All grades count in the transferable GPA used for admission decisions. Apply at KU Admissions (<https://admissions.ku.edu/>) by selecting the Transfer application and selecting the Edwards Campus. Students must complete specific prerequisite courses prior to being admitted into the Biotechnology program.

Transfer Credit

To see how your credits transfer to KU, visit KU CredTran (<https://credittransfer.ku.edu/>), choose Kansas, then JCCC.

Graduation Requirements

- Students must earn 120 hours for graduation.
- A maximum of 75 hours may be transferred to KU from community colleges. Students should be aware that 45 junior/senior credit hours are required for completion of the bachelor's degree; 30 of those hours must be at KU; and community college courses do not transfer as junior/senior hours.
- A minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major.

KU Core 34 Requirements

- Students transferring to KU, with an Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree from JCCC will satisfy KU's Core 34 general education curriculum.
- Students who transfer to KU, without completing Associate of Arts (AA) (<https://catalog.jccc.edu/degree/requirements/associate-arts/>), Associate of Fine Arts (AFA) (<https://catalog.jccc.edu/degree/requirements/associate-fine-arts/>) or Associate of Science (AS) (<https://catalog.jccc.edu/degree/requirements/associate-science/>) degree will have courses evaluated on a course-by-course basis toward meeting KU requirements. To learn more about courses that satisfy KU Core 34 Requirements (<https://catalog.ku.edu/core34/>) and KU CredTran (<https://credittransfer.ku.edu/>).
- Visit the KU Core 34 General Education guide (<https://www.jccc.edu/student-resources/transfer/files/transfer-guides/ku-core-requirements.pdf>) for JCCC equivalents.

KU Core 34 Requirements & Recommended courses to be taken at JCCC for Biotechnology

Course Code	Course Title	Course Hours	Transfer Code	Transfer Title	Transfer Hours
Code	Title	Hours			
Visit the KU Core 34 English (https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/) for JCCC equivalents.		6			
Visit the KU Core 34 Communications (https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/) for JCCC equivalents.		3			
MATH 171	College Algebra* ^^	3	MATH 101	College Algebra	3
CHEM 124 & CHEM 125	General Chemistry I Lecture* and General Chemistry I Lab* ^^	4	CHEM 130	General Chemistry I	
Visit the KU Core 34 Core 34 Social and Behavioral Sciences (https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/) for JCCC equivalents. Select two courses in two different disciplines		6			
Visit the KU Core 34 Arts and Humanities (https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/) for JCCC equivalents. Select two courses in two different disciplines		6			

Visit the KU Core 34 US Culture (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents. 3

Visit the KU Core 34 Global Culture (<https://catalog.jccc.edu/transfer-guides/ku/ku-transfer-core34/>) for JCCC equivalents. 3

BIOL 132	Introduction to Public Health (Pre-Health Professions Minor)	3	HSCI 340	Introduction to Public Health	3
BIOL 135	Principles of Cell and Molecular Biology		BIOL 150	Principles of Molecular and Cellular Biology	
BIOL 150	Biology of Organisms* (preferred)	5	BIOL 152 & BIOL 153	Prin of Organismal Biology and "Prin of Organismal Biology,Hnr"	4
CHEM 131 & CHEM 132	General Chemistry II Lecture* and General Chemistry II Lab*	4	CHEM 135	General Chemistry II	
CHEM 220	Organic Chemistry I*	5	CHEM 330/331	Organic Chemistry I	
CJ 121	Introduction to Criminal Justice System	3	CRIM 300	Intro to Criminal Justice	3
Select one of the following:					
MATH 161	Elementary Statistics*	3	MATH 107	Introductory Statistics	
MATH 201	Statistics*	3	MATH 365	Elementary Statistics	
PHYS 130	College Physics I*	5	PHSX 114	College Physics I	4

* JCCC course has a prerequisite or corequisite.

^^ This course is a **Required** major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34: SGE requirement, it must be taken in place of elective hours