



**Johnson County Community College**  
**Transfer Program to the University of Kansas**  
**Edwards Campus**  
**School of Professional Studies**  
**Biotechnology, Bachelor of Applied Science (BAS)**  
**2023-2024 Catalog**

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<https://edwardscampus.ku.edu/overview-bachelors-biotechnology>

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 30 hours of electives within the A.A. allow students to complete additional general education and lower division courses required for specific majors. The A.A. degree requires completion of 60 credit hours. Completion of the JCCC A.A. or A.S. (Associate of Science) degree satisfies KU Core Goals 1, 2 and 3. JCCC degree requirements can be found at: <http://catalog.jccc.edu/degree/requirements/>. It is possible that additional community college credit hours can be applied toward a bachelor's degree at KU Edwards. Contact your KU Edwards academic success coach for more information on the limits of credit hours to be transferred as it varies by program. **Meeting with a JCCC counselor is strongly recommended for selection of appropriate courses.**

The Bachelor of Applied Science in Biotechnology is designed for individuals who are seeking degrees or training that will enhance their professional qualifications and laboratory skills. The program will consist of managerial skills and hands-on learning built into the biotechnology program that greatly increases the career opportunities for graduates. Students will be prepared for life-science professions that require management and communication skills, as well as specific laboratory skills sets and first-hand experience working with scientists and scholars in the Kansas City area. Grounded in biological sciences, chemistry and advanced technology, the Biotechnology program employs biological systems to solve scientific challenges that impact society. When a student graduates with a BAS in Biotechnology, they will be a confident, independent laboratory scientist.

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.

### **Admission**

Biotechnology is a cohort-based program; students must start in the fall semester. Applicants must have at least 24 credit hours with a 2.5 or higher transferable GPA from a regionally accredited community college, four-year college, or university. The transferable GPA includes all courses that are normally transferable to KU. Though only transfer grades of "C" or higher will count toward KU degree requirements, all grades count in the transferable GPA. Apply to the University of Kansas at <https://admissions.ku.edu/> and be sure to select 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 <https://credittransfer.ku.edu/> choose Kansas, then JCCC.

### **Graduation Requirements**

Students must earn 120 hours for graduation, of which 45 must be upper division. Thirty of the hours must be at KU. Community college courses do not transfer as junior/senior hours. Students must satisfy the KU Core, the BS requirements, all courses in the major, and enough electives to total 120 hours.

## KU Core Requirements

The KU Core is KU's general education program. It is a set of six educational goals that all students must satisfy. A number of the KU Core goals are satisfied by the Biotechnology General Education Requirements above or courses in the major. Completion of the JCCC A.A. or A.S. degree satisfies KU Core Goals 1, 2 and 3. JCCC students not completing the A.A. or A.S. degree may refer to <https://credittransfer.ku.edu/> or click on the links below to see how JCCC courses will transfer to meet KU Core Goals. Completing the Biotechnology general education requirements below will satisfy the KU Core.

### Recommended courses to be taken at JCCC for Biotechnology

KU Courses	JCCC Courses	KU Core
ENGL 101 Composition	ENGL 121 Composition I*	Goal 2.1
ENGL 102 Critical Reading and Writing	ENGL 122 Composition II*	Goal 2.1
COMS 130 Speaker Audience Communication	COMS 121 Public Speaking	Goal 2.2
BIOL 150/154 Principles of Molecular and Cellular Biology with lab	BIOL 135 Principles of Cell and Molecular Biology	Goal 3N
Any two BIOL courses (BIOL 152 Organismal Biology preferred) plus another BIOL course	BIOL 150 Biology of Organisms*preferred plus another BIOL course	Goal 3N
MGMT 310 Principles of Management	BUS 141 Principles of Management	N/A
KU Core Goal GE 3H	<a href="#">See list for Goal GE 3H</a>	Goal 3H
KU Core Goal GE 3S PSYC 104 General Psychology recommended	PSYC 130 Introduction to Psychology recommended	Goal 3S
KU Core Goal AE 4.1 SOC 104 Elements of Sociology (Recommended)	SOC 122 Introduction to Sociology (Recommended)	Goal 4.1
KU Core Goal AE 4.2	<a href="#">See list for Goal AE 4.2</a>	Goal 4.2
KU Core Goal AE 5.1	Completed by major requirement	Goal 5.1
KU Core Goal AE 6.1	Completed by major requirement	Goal 6.1
CHEM 130 General Chemistry I	CHEM 124/125 General Chemistry I/Lab*	Goal 1.2
CHEM 135 General Chemistry II	CHEM 131/132 General Chemistry II/Lab*	Goal 1.2
CHEM 330/331 Organic Chemistry I	CHEM 220 Organic Chemistry I*	N/A
PHSX 114 College Physics I	PHYS 130 College Physics I*	Goal 1.1
MATH 101 College Algebra (or test out)	MATH 171 College Algebra*	Goal 1.2
MATH 365 Elementary Statistics ^	MATH 181 Statistics*	Goal 1.2

^ Taught at KU Edwards Campus every semester

\* JCCC course has a prerequisite or corequisite.

**It is the STUDENT'S RESPONSIBILITY to check for updates to all transfer information. This transfer guide is provided as a service and is updated as needed. Degree requirements at the four-year colleges are subject to change by those institutions. To ensure you have the most accurate up to date information about the program, it is imperative you meet with an advisor at the transfer institution.**