



**Johnson County Community College**  
**Transfer Program to the University of Kansas**  
**Edwards Campus**  
**School of Professional Studies**  
**Applied Biological Sciences, Bachelor of Science (BS)**  
**2024-2025 Catalog**

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<https://edwardscampus.ku.edu/applied-bioscience>

***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 evening at the KU Edwards Campus, allowing students to work full-time without relocating and still complete the bachelor's degree requirements in a timely manner.***

The Associate of Arts degree (A.A.) and Associate of Science degree (AS) at JCCC are general transfer degrees that partner well with the first two years of most bachelor's degree programs. Students pursuing the A.A./A.S. may select courses that satisfy both the A.A. or A.S. degree requirements and lower division requirements for a bachelor's degree at four-year institutions. The elective hours within the A.A./A.S. allow students to complete additional general education and lower division courses required for specific majors. The A.A. and A.S. degrees require completion of 60 credit hours. JCCC degree requirements can be found at: <http://catalog.jccc.edu/degreerequirements/> **Meeting with a JCCC counselor is strongly recommended for selection of appropriate courses.**

The Bachelor of Science in Applied Biological Sciences is designed for individuals who are seeking degrees or training that will enhance their professional qualifications. The Applied Biological Sciences degree will give students a solid background in genetics, microbiology, cell biology and biochemistry, as well as strong laboratory skills in genetics and microbiology. This program can also prepare a student for graduate or *health-related professional schools*.

### **Admission**

Fall start is highly encouraged for this program. 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 <https://admissions.ku.edu/> by selecting the Transfer application and selecting the Edwards Campus.

### **Transfer Credit**

To see how your credits transfer to KU, visit [registrar.ku.edu/credittransfer](http://registrar.ku.edu/credittransfer), choose Kansas, then JCCC.

### **Graduation Requirements**

Students must earn 120 hours for graduation, of which 45 must be upper division. Thirty upper-division hours must be at KU. Community college courses do not transfer as upper division hours. Students must satisfy the KU Core 34, the BS requirements, all courses in the major, and enough electives to total 120 hours.

### **Applied Biological Sciences General Education and Major Requirements**

- Effective Fall 2024: Students transferring to KU, with an AA, AFA or AS degree from JCCC will be considered to have satisfied KU's Core 34 general education curriculum.
- Effective Fall 2024: Students who transfer to KU, without completing AA, AFA or AS 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 visit: <https://catalog.ku.edu/core34/> and <https://credittransfer.ku.edu/>
- KU's Core 34 General Education guide can be found [here](#).

## KU Core 34 Requirements & Recommended courses to be taken at JCCC for Applied Biological Sciences

KU Courses	Hrs	JCCC Courses	KU Core 34	Hrs
Core 34: English	6	<a href="#">See KU Core 34 General Education guide</a>	ENG	6
Core 34: Communications	3	<a href="#">See KU Core 34 General Education guide</a>	CMS	3
Core 34: Math and Statistics MATH 101 College Algebra	3	MATH 171 College Algebra*	MTS	3
Core 34: Natural and Physical Sciences CHEM 130 General Chemistry I^^	5	CHEM 124/125 General Chemistry I/Lab*	NPS/NLEC/ NLAB	4/1
Core 34: Social and Behavioral Sciences ( <i>Select two courses in two different disciplines</i> )	6	<a href="#">See KU Core 34 General Education guide</a>	SBS	6
Core 34: Arts and Humanities ( <i>Select two courses in two different disciplines</i> )	6	<a href="#">See KU Core 34 General Education guide</a>	AH	6
Core 34: US Culture – Institutionally Designated	3	<a href="#">See KU Core 34 General Education guide</a>	USC	3
Core 34: Global Culture - Institutionally Designated	3	<a href="#">See KU Core 34 General Education guide</a>	GLBC	3
BIOL 150/154 Principles of Molecular and Cellular Biology with lab	3/1	BIOL 135 Principles of Cell and Molecular Biology		4
BIOL 152 Principles of Organismal Biology with BIOL NLAB	3/2	BIOL 150 Biology of Organisms*		5
CHEM 135 General Chemistry II	5	CHEM 131/132 General Chemistry II/Lab*		4/1
CHEM 330/331 Organic Chemistry I	3/2	CHEM 220 Organic Chemistry I*		5
CHEM 335/336 Organic Chemistry II	3/2	CHEM 221 Organic Chemistry II*		5
MATH 365 Elementary Statistics <b>OR</b> PSYC 210 Stats in Psychological Research	3	MATH 181 Statistics* <b>OR</b> PSYC 209 Statistics in Psychological Research*		3
PHSX 114 College Physics I <b>AND</b>	5	PHYS 130 College Physics I* <b>AND</b>		5
PHSX 115 College Physics II <b>OR</b>	5	PHYS 131 College Physics II* <b>OR</b>		5
PHYS 211/216 General Physics I <b>AND</b>	4/1	PHYS 220 Engineering Physics I* <b>AND</b>		5
PHSX 212/236 General Physics II	4/1	PHYS 221 Engineering Physics II*		5
<b>NOTE: PHSX 114 and 115 (JCCC PHYS 130 AND 131) are recommended for this degree.</b>				

\* 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.

**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.**