



**Johnson County Community College**  
**Transfer Program to the University of Kansas**  
**Edwards Campus**  
**School of Professional Studies**  
**Applied Biological Sciences, Bachelor of Science (BS)**  
**2022-2023 Catalog**

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

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 elective hours 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.iccc.edu/degreerequirements/> 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 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*.

*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.*

### **Admission**

Fall start is highly encouraged for this program. 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 through <https://admissions.ku.edu/>

### **Transfer Credit**

To see how your credits transfer to KU, visit [www.admissions.ku.edu/credits](http://www.admissions.ku.edu/credits), 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 BA or BGS requirements, all courses in the major, and enough electives to total 120 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.**

## Applied Biological Sciences General Education and Major 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 requirements are fulfilled by specific general education or major requirements as noted below. 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. When students complete the general education and major requirements below, the KU Core is satisfied.

| KU Course  | JCCC Course  | Req. Fulfilled |
|--|--|----------------|
| ENGL 101 Composition   | ENGL 121 Composition I*  | Goal GE 2.1    |
| ENGL 102 Critical Reading & Writing  | ENGL 122 Composition II*   | Goal GE 2.1    |
| COMS 130 Speaker-Audience Communication  | COMS 121 Public Speaking   | Goal GE 2.2    |
| KU Core Goal GE 3H   | <a href="#">See list for Goal GE 3H</a>  | Goal GE 3H     |
| KU Core Goal GE 3S<br>PSYC 104 General Psychology recommended  | <a href="#">See list for Goal GE 3S</a><br>PSYC 130 Introduction to Psychology recommended   | Goal GE 3S     |
| KU Core Goal AE 4.1<br>SOC 104 Elements of Sociology recommended   | <a href="#">See list for Goal AE 4.1</a><br>SOC 122 Introduction to Sociology recommended  | Goal AE 4.1    |
| KU Core Goal AE 4.2  | <a href="#">See list for Goal AE 4.2</a>   | Goal AE 4.2    |
| KU Core Goal AE 5.1  | <a href="#">See list for Goal AE 5.1</a>   | Goal AE 5.1    |
| CHEM 130 General Chemistry I   | CHEM 124/125 General Chemistry I*/Lab*   | Goal GE 3N     |
| CHEM 135 General Chemistry II  | CHEM 131/132 General Chemistry II*/Lab*  | Major Req.     |
| CHEM 330/331 Organic Chemistry I   | CHEM 220 Organic Chemistry I*  | Major Req.     |
| CHEM 335/336 Organic Chemistry II  | CHEM 221 Organic Chemistry II*   | Major Req.     |
| PHSX 114 College Physics I <b>AND</b><br>PHSX 115 College Physics II <b>OR</b><br>PHYS 211/216 General Physics I <b>AND</b><br>PHSX 212/236 General Physics II | PHYS 130 College Physics I* <b>AND</b><br>PHYS 131 College Physics II* <b>OR</b><br>PHYS 220 Engineering Physics I* <b>AND</b><br>PHYS 221 Engineering Physics II* | GE 1.1         |
| <b>NOTE: PHSX 114 and 115 (JCCC PHYS 130 AND 131) are recommended for this degree.</b>   |  |                |
| MATH 115 Calculus I <b>AND</b><br>MATH 116 Calculus II <b>OR</b><br>MATH 125 Calculus I  | MATH 231 Business & Applied Calculus I* <b>AND</b><br>MATH 232 Business & Applied Calculus II*<br><b>OR</b> MATH 241 Calculus I*                                   | Goal GE 1.2    |
| BIOL 150/154 Principles of Molecular and Cellular Biology with lab   | BIOL 135 Principles of Cell and Molecular Biology  | Major Req.     |
| BIOL 152 Principles of Organismal Biology  | BIOL 150 Biology of Organisms*   | Major Req.     |
| KU Core Goal AE 6.1 will be met with BSCI 599 Senior Seminar at KU   | No equivalent at JCCC  | AE 6.1         |

\* JCCC course has a prerequisite or corequisite.