

**SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE**

**Kaskaskia College
Associate in Science
BIOLOGY - Genetics and Cellular**

Completion of an Associate in Arts or Science degree at Kaskaskia College fulfills SIUE's general education requirements, with the exception of an Interdisciplinary Studies course that all students must take during their junior and senior year at SIUE.

This "Transfer Program Guide" is an *example* of proposed curriculum for students to use while completing their associate's degree. Reading, writing and math placement could alter the course sequencing and transfer date. Therefore students should begin sequencing their reading/writing (if applicable) and math & science courses during the first semester, paying close attention to prerequisites. Students have the option of taking summer classes to lessen fall and spring course loads.

It is highly recommended that students meet with a KC advisor each semester. Please see "**Important Student Notes**" located on page of two of this transfer guide.

Fall Year 1

KC Course		Hours
ENGL 101	English Composition	3
IAI Soc/Beh ²	IAI Social / Behavioral Science	3
BIOL 101 ¹	Biology	4
CHEM 111 ¹	Inorganic Chemistry I	5
GUID 109	First Year College Experience	1
Total		16

Spring Year 1

KC Course		Hours
ENGL 102	English Composition	3
MATH 166	Calculus & Analytical Geometry I	5
BIOL 102 ¹	Biology	4
CHEM 112	Chemistry II (Physical & Analytical)	5
Total		17

Fall Year 2

KC Course		Hours
COMM 103	Fundamentals of Speech Communi	3
IAI FA	IAI Fine Arts	3
CHEM 208 ¹	Organic Chemistry I	5
IAI Soc/Beh ²	IAI Social / Behavioral Science	3
Total		14

Spring Year 2

KC Course		Hours
CHEM 209	Organic Chemistry I	5
IAI HUM/FA	IAI Humanities/Fine Arts	3
IAI Soc/Beh ²	IAI Social / Behavioral Science	3
IAI HUM	IAI Humanities	3
HLTH 102	Human Health & Wellness	3
Total		17

Associate in Science Total **64**

¹All math and science courses must be completed with a grade of "C" or higher.

²Courses selected from two different disciplines. One course must be POLS, SOCO, or PSYH 101.

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IMPORTANT STUDENT NOTES:

The preceding information is provided to assist students in the transfer process. In no way does this document substitute for meeting with an academic advisor. Students are advised to meet on a regular basis with advisors at KC. Courses taken through dual credit can be applied to required SIUE coursework, please contact KC advisor for more information. Please consult Kaskaskia College catalog for additional graduation requirements.

Students have 2 options when pursuing a Bachelor's degree in Biology Genetics and Cellular:

- A Bachelor of Arts degree will require 2 semesters of the same foreign language, which can be taken at either KC or SIUE, in addition to 8 Humanities and/or Fine Arts Courses (some of which will be completed with the Associate in Science.)
- A Bachelor of Science degree will require completion of 8 courses in life, physical, or social science, in addition to 2 courses with a lab component (some of which will be met with the completion of the Associate in Science.)

DECLARATION REQUIREMENTS FOR A BACHELOR OF SCIENCE

- A minimum GPA of 2.0 (on a 4.0 scale) in science and math transferable courses completed at all transfer institutions
- An overall GPA of 2.0 in other transferable work

The curriculum in this program of study is designed to prepare students for the rapidly expanded fields in biology. A large number of industrial companies and many research laboratories use genetic engineering and cell biology techniques in their work. Students with training in genetic engineering and cellular biology may be employed in diverse laboratory settings including plant breeding, insecticide development, and the production of pharmaceuticals.