

## TRANSFER GUIDE

### AS Biological Sciences Suggested Curriculum transferring into BS Biological Sciences Ecology

Kaskaskia College Courses			
AS Biological Sciences Suggested Curriculum – 64 hours			
GUID 109-1	First Year College Experience	Elective-3	Fine Arts
ENGL 101-3	English Composition	HLTH 102*-3	Human Health & Wellness
ENGL 102-3	English Composition	BIOL 102-4	Biology
COMM 103-3	Fundamentals of Speech Comm	BOTY 101-4 or	Botany or
MATH 136-4	General Statistics	ZOOL 101-4	Zoology
PSYH 101-3	Psychology	CHEM 112-5	Chemistry II (Physical & Analytical)
HIST 103-3	History of the United States	CITA 110-1	Intro to Word Processing
PHLE 120-3	Ethics	MATH 166-5	Calculus & Analytical Geometry I
CHEM 111-5	Chemistry I (Inorganic Chemistry)	Bio Electives-7	Choose from approved courses**
BIOL 101-4	Biology		
Southern Illinois University Carbondale Courses			
BS Biological Sciences (BIOS) Ecology Specialization – 64 hours			
BIOL 213-4	Intro Organismal Form & Function	PHSL 310-5	Principles of Physiology
1 sequence-4	PHYS 203A,253A/205A,255A	PLB 300-4	Diversity of Plants, Algae, & Fungi
ZOOL 220-5	Animal Diversity	Senior Research/ Field Study/Intern-3	Choose from: MICR 490; PLB 492, 493A; ZOOL 491, 492, 493, 496, 497
BIOL 304-3	Evolution	College of Science Supportive Skills-6	2 semesters of Foreign Language -OR- CS 105, 200B, 201 or 202 and ENGL 290, 291 or 391
BIOL 305-3	Principles of Genetics		
BIOL 307-3	Principles of Ecology		
CHEM 340,341-5	Organic Chemistry I w/Lab		
CHEM 350-3	Biological Chemistry	Life Sci Electives-7	Choose from list; 300/400 level
MICR 301-4	Principles of Microbiology	Ecology Electives-5	Choose from list; 2 hrs @ 300/400 lvl
Total Hours to Bachelor Degree: 128 Hours			

\*Can also choose from: HIST 147/LEAD 150\*\*Choose from: BIOL 121/122, 215 (215 strongly recommended)

**Salary Range:** \$38,000-\$82,000

**Possible Careers:** Forester  
Conservation Scientist  
Environmental Scientist

### Questions? Contact Us!

**Kaskaskia College**  
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**Southern Illinois University Carbondale**  
Dr. Frank E. Anderson, Director  
School of Biological Sciences  
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## Baccalaureate Degree Requirements

Each candidate for a bachelor's degree must complete the requirements listed:

**Hour Requirements.** Student must complete at least 120 semester hrs of credit. Each student must have at least 42 hrs in courses that number 300 or above from a four-year institution.

**Residence Requirements.** Student must complete the residency requirement by taking a total of 42 semester hrs at SIU Carbondale.

**Grade Point Average Requirements.** Student must have a C average for all work taken at SIU Carbondale. Some academic programs may require a higher graduating major GPA.

## Compact Agreement

SIU Carbondale has recognized Illinois regionally accredited community college transferable baccalaureate-oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIUC will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative as satisfying SIU University Core Curriculum (UCC) requirements. The Associate of Applied Science (A.A.S.), Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) are not covered under the Compact Agreement and do not carry the same benefits as the A.A. and A.S. degrees.

## Saluki Transfer Pathways

[Saluki Transfer Pathways](#) is the university's dual admission program that allows baccalaureate-oriented students at eligible community colleges intending to transfer to SIU Carbondale to benefit from early admission and pre-advisement for a baccalaureate program at SIUC. Saluki Transfer Pathways allows students to be conditionally admitted to SIU Carbondale up to two years in advance of their intended transfer term so they have access to transfer credit evaluation and the university's degree audit system. This allows students to address major specific requirements that may not be automatically fulfilled with the completion of an associate degree. Students apply to Saluki Transfer Pathways by completing the Application for Undergraduate Admission and indicating an interest in the program. To participate, students must have at least two semesters remaining at their community college. Direct questions about the Saluki Transfer Pathways program to [transfer@siu.edu](mailto:transfer@siu.edu).

## DegreeWorks

DegreeWorks is an easy-to-use, online degree audit tool specifically designed for students. Once admitted to SIU Carbondale, you can use it monitor your progress toward your degree in [Salukinet](#).

## Saluki Transfer Estimator Portal (STEP)

The [Saluki Transfer Estimator Portal](#) (STEP) is a web-based tool that integrates institutional course equivalency and degree audit data to provide an unofficial credit estimation and a more seamless transfer process. STEP gives transfer students a clear roadmap for timely degree completion by providing key information about how transfer credits apply to your intended program at SIU.

PROGRAM ARTICULATION DEGREE PLAN				
<b>Kaskaskia College</b>	<b>2024-2025</b>		<b>Southern Illinois University Carbondale</b>	
AS Biological Sciences Suggested Curriculum - 64 hours			BS Biological Sciences (BIOS): Ecology Specialization - 120 hours	
			<b>University Core Curriculum (UCC) - 39 hrs *</b>	
		<b>Hrs</b>		<b>Hrs</b>
			UNIV 101	Saluki Success
COMM 103	Fundamentals of Speech Comm	3	CMST 101	Intro to Oral Communication
ENGL 101	English Composition	3	ENGL 101	English Composition I
ENGL 102	English Composition I	3	ENGL 102	English Composition II
MATH 136	General Statistics	4	MATH 282	Intro to Statistics
PSYH 101	Psychology	3	PSYC 102	Intro to Psychology
			SOCIAL SCIENCE	
PHLE 120	Ethics	3	PHIL 104	Ethics
			HUMANITIES	
CHEM 111	Chemistry I (Inorganic Chemistry)	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab
BIOL 101	Biology	4	BIOL 211	Introductory Cell Biology and Genetics
	Fine Arts	3	FINE ARTS	See SIUC Transfer Equivalency Guide
HLTH 102**	Human Health & Wellness	3	PH 101	Foundations of Human Health
HIST 103	History of the United States	3	HIST 300	The Origins of Modern America, 1492-1877
		<b>37</b>		<b>0</b>
			<b>*An AS from a regionally accredited Illinois community college satisfies UCC requirements</b>	
<b>Program Requirements</b>			<b>Program Requirements</b>	
Biology Electives	Choose from approved courses***	7	<b>Any unarticulated courses will be used to satisfy general elective credit</b>	
CITA 110	Intro to Word Processing	1		
GUID 109	First Year College Experience	1		
BIOL 102	Biology	4		
BOTY 101 -or- ZOOL 101	Botany -or- Zoology	4	BIOL 212	Introductory Evolution & Ecology
CHEM 112	Chemistry II (Physical & Analytical)	5	PLB 200 -or- ZOOL 118	General Plant Biology -or- Principles of Animal Biology
MATH 166	Calculus & Analytical Geometry I	5	CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab
		<b>27</b>	MATH 150	Calculus I
			BIOL 213	Introductory Organismal Form & Function
			PHYS 203A -and- 253A -or- 205A -and- 255A	College Physics w/Lab -or- University Physics w/Lab
			ZOOL 220	Animal Diversity
			BIOL 304	Evolution
			BIOL 305	Principles of Genetics
			BIOL 307	Principles of Ecology
			COS Supportive Skills Requirement	2-semester sequence of a Foreign Language --OR-- CS 105, 200B, 201 -or- 202 and ENGL 290, 291 -or- 391
			CHEM 340 -and- 341	Organic Chemistry I w/Lab
			CHEM 350	Biological Chemistry
			MICR 301	Principles of Microbiology
			PHSL 310	Principles of Physiology
			PLB 300	Diversity of Plants, Algae, & Fungi
			Senior Research/Field Studies/Internship	Choose from: MICR 490; PLB 492, 493A; ZOOL 491, 492, 493, 496, 497
			Life Science Electives	Choose from approved courses 300/400 level
			Ecology Electives	Choose from approved courses; 2 hours at 300/400 level
				<b>64</b>
<b>Total semester hrs completed with AS degree:</b>		<b>64</b>	<b>Total semester hrs completed with BS degree:</b>	
				<b>64</b>
			<b>Total semester hrs to BS degree:</b>	
				<b>128</b>
**Can also choose from: HIST 147 -or- LEAD 150				
**Choose from: BIOL 121/122, 215 (215 strongly recommended)				
Degree Plan updated on 6/14/24 by SG				