

TRANSFER GUIDE

AS Mathematics Suggested Curriculum transferring into BS Chemistry

Kaskaskia College Courses			
AS Mathematics Suggested Curriculum – 65 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	CITA 110-1	Intro to Word Processing
COMM 103-3	Fundamentals of Speech Comm	MATH 166-5	Calculus & Analytical Geometry I
MATH 136-4	General Statistics	ENGR 201-3	Computer Programming for Engineers
PSYH 101-3	Psychology	MATH 236-3	Linear Algebra
Elective-3	Social/Behavioral Science	MATH 267-4	Calculus & Analytical Geometry II
PHLE 120-3	Ethics	MATH 268-4	Calculus & Analytical Geometry III
PHYS 201-5	University Physics I	MATH 269-3	Differential Equations
Elective-3	Biology Elective	PHYS 202-5	University Physics II
Southern Illinois University Carbondale Courses			
BS Chemistry (CHEM) – 55-56 hours			
CHEM 200,201,202-5	Intro Chem Prin w/Lab, Wkshp	CHEM 350,351-5	Biological Chemistry w/Lab
CHEM 210,211,212-5	Gen Inorg Chem w/Lab Wkshp	CHEM 360,361-4	Classical Physical Chemistry w/Lab
CHEM 311-3	Intermediate Inorganic Chemistry	Gen Electives-5	300/400 level
CHEM 330-5	Quantitative Analysis	Specialization-15-16*	Select from list below 300/400 level
CHEM 340,341-5	Organic Chemistry I w/Lab	Electives-3	To reach 120 hours
Total Hours to Bachelor Degree: 120-121 Hours			

*Comprehensive Chemistry, Environmental Chemistry or Forensic Chemistry Specialization

Questions? Contact Us!

Salary Range: \$40,000-\$80,000

Possible Careers: Analytical Chemist
Biotechnologist
Pharmacologist
Forensic Scientist
Toxicologist
Geochemist
Materials Scientist

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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.

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					
Kaskaskia College 2024-2025 AS Mathematics Suggested Curriculum - 65 hours		Southern Illinois University Carbondale BS Chemistry (CHEM) - 120 hours			
			University Core Curriculum (UCC) - 39 hrs *		
		Hrs			Hrs
			UNIV 101	Saluki Success	NA
COMM 103	Fundamentals of Speech Comm	3	CMST 101	Intro to Oral Communication	T
ENGL 101	English Composition	3	ENGL 101	English Composition I	T
ENGL 102	English Composition	3	ENGL 102	English Composition II	T
MATH 136	General Statistics	4	MATH 282	Intro to Statistics	T
PSYH 101	Psychology	3	PSYC 102	Intro to Psychology	T
	Social/Behavioral Science	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
PHLE 120	Ethics	3	PHIL 104	Ethics	T
			HUMANITIES		NA
PHYS 201	University Physics I	5	PHYS 205A -and- 255A	University Physics w/Lab	T
	Biology	3	LIFE SCIENCE	See SIUC Transfer Equivalency Guide	T
	Fine Arts	3	FINE ARTS	See SIUC Transfer Equivalency Guide	T
HLTH 102	Human Health & Wellness	3	PH 101	Foundations of Human Health	T
			MULTICULTURAL		NA
		36			0
			*An AS from a regionally accredited Illinois community college satisfies UCC requirements		
Program Requirements			Program Requirements		
GUID 109	First Year College Experience	1	Any unarticulated courses will be used to satisfy general elective credit		
CITA 110	Intro to Word Processing	1			
ENGR 201	Computer Programming for Engineers	3	CS 202	Intro to Computer Science	T
MATH 166	Calculus & Analytical Geometry I	5	MATH 150	Calculus I	T
MATH 236	Linear Algebra	3	MATH 221	Intro to Linear Algebra	T
MATH 267	Calculus & Analytical Geometry II	4	MATH 250	Calculus II	T
MATH 268	Calculus & Analytical Geometry III	4	MATH 251	Calculus III	T
MATH 269	Differential Equations	3	MATH 305	Intro to Differential Equations	T
PHYS 202	University Physics II	5	PHYS 205B -and- 255B	University Physics w/Lab	T
		29			
			CHEM 200, 201 -and- 202	Intro to Chemical Principles w/Lab & Workshop	5
			CHEM 210, 211 -and- 212	General & Inorganic Chemistry w/Lab & Workshop	5
			CHEM 311	Intermediate Inorganic Chemistry	3
			CHEM 330	Quantitative Analysis	5
			CHEM 340 -and- 341	Organic Chemistry I w/Lab	5
			CHEM 350 -and- 351	Biological Chemistry w/Lab	5
			CHEM 360 -and- 361	Classical Physical Chemistry w/Lab	4
			General Electives	Select 300/400 level as necessary to fulfill 42 senior hrs requirement	5
			Specialization Courses*	Select from list of approved 300/400-level courses for chosen specialization	15-16
			Electives	To reach 120 hours	3
			*Select 1: Comprehensive Chemistry, Environmental Chemistry -or- Forensic Chemistry Specialization		
					55-56
Total semester hrs completed with AS degree:		65	Total semester hrs completed with BS degree:		55-56
			Total semester hrs to BS degree:		120-121
Degree Plan updated on 7/31/24 by SG					