



John A. Logan College



Southern Illinois University  
CARBONDALE

## TRANSFER GUIDE

### AS Chemistry Education transferring into BS Chemistry – Chemistry Education

John A Logan College Courses			
AS Chemistry Education – 81 hours			
ENG 101-3	English Composition I	Elective-3	IAI Humanities
ENG 102-3	English Composition II	BIO 101-4	Biological Science 1
COM 115-3	Speech	CHM 152-5	Chemical Principles w/Qual Analysis
BIO 102-4	Biological Science II	CHM 201-5	Organic Chemistry I
BIO 225-3	Genetics	CHEM 202-5	Organic Chemistry II
CHM 151-5	Chemical Principles	CPS 176 or 206-4	Intro Comp. Program. or Comp. Sci. I
EDC 202-3	Hmn Grwth, Devlpmnt, & Lrning	EDC 208-3	Intro to Special Education
EDC 203-3	Schooling in Diverse Society	MAT 120-3	Elementary Statistics
MAT 131-5	Calculus I	MAT 201-5	Calculus II
PHIL 121-3	Into to Logic	PHY 205-5	University Physics
Elective-3	IAI Social & Behavioral Sciences	1 Course-1	ORI 100 or SCI 100
Southern Illinois University Carbondale Courses			
BS Chemistry (CHEM) Chemistry Education Specialization – 60 hours			
ENGL 290, 291, or 391-3	Writ. Across Disciplines, Tech. Writ. & Comm or Style & Editing	EDUC 301-1	Clinical I-Reflective Instructional Practice
CHEM 311-3	Intermediate Inorganic Chem	EDUC 302-1	Clinical II-Methods of Instructional Practice
CHEM 330-5	Quantitative Analysis	EDUC 303-1	Clinical III-Adv Instructional Practices
CHEM 350-3	Intro to Biological Chemistry	EDUC 308-3	Character. & Methods Teach. Except. Child
CHEM 360-3	Classical Physical Chemistry	EDUC 313-3	Reflective Classroom Plan., Org., Manag.
CHEM 351 or 361-2	Bio Chem Lab or Phys. Chem Lab	EDUC 319-3	Language, Culture, & Learning
CHEM 396-1	Undergraduate Research	EDUC 360-3	Teach. Read. & Writ. In 2nd Content Area
PHIL 307i-3	Phil. of Sc.i, Nature, & Tech.	EDUC 401A-12	Clinical Practice/Student Teaching
PHYS 205/255B-4	University Physics w/ Lab	EDUC 468-3	Sci Methods for Middle/Senior HS
GEOL 121/124-3	The History of the Earth w/ Lab		
Total Hours to Bachelor Degree: 141 Hours			

**Salary Range:** \$52,960-\$83,070

**Possible Careers:** Zookeeper/Zoo Educator  
Environmental Consultant  
Conservation Biologist  
Museum Scientist

### Questions? Contact Us!

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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 30 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.

## Transfer Credit

Review and evaluation of courses for University Core Curriculum (UCC) credit is determined by the office of Articulation & Evaluation. Articulation of major courses or departmental credit is determined by the department. Credit not applied to UCC requirements or to a specific degree program will be considered general elective credit. Your point of contact for degree specific requirements and transfer credit is your academic advisor. In addition to courses taken at other institutions, proficiency exams, military service, industry certifications, and work experience can also be accepted for transfer credit. Please visit <https://registrar.siu.edu/articulation/eval/> to see how specific courses from other colleges and universities transfer to SIU Carbondale.

## Submitting Your Transcript to SIU Carbondale

Transfer students who have taken college-level coursework at other institutions must submit an official transcript from each college or university attended to the Office of the Registrar - Articulation & Evaluation Mailcode 4725, 1263 Lincoln Drive, Carbondale, IL 62901 if sent by regular mail. Transcripts must be less than 30 days old to be considered official. They must be sent in a sealed envelope from the issuing institution. Transcripts can also be emailed directly from the institution to Articulation & Evaluation. Transcripts may also be sent via a third-party transcript vendor, such as: Parchment, National Student Clearinghouse, Credential Solutions or Scrip-Safe. Faxed transcripts or PDF copies of transcripts sent by the student are not considered official and will not be accepted.

## DegreeWorks

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

PROGRAM ARTICULATION DEGREE PLAN

<b>John A Logan College</b>	<b>2026-2027</b>	<b>Southern Illinois University Carbondale</b>
<b>AS Chemistry Education - 78 hours</b>		<b>BS Chemistry - Chemical Education Specialization - 120 hrs</b>
<b>General Education</b>		<b>University Core Curriculum - 39 hrs</b>

		Hrs			Hrs
COM 115	Speech	3	UNIV 101	Saluki Success	NA
ENG 101	English Composition I	3	CMST 101	Intro to Oral Communication	T
ENG 102	English Composition II	3	ENGL 101	English Composition I	T
MAT 131	Calculus I	5	ENGL 102	English Composition II	T
EDC 202	Human Growth, Dev, & Learning (recommended)	3	MATH 150 + MATH 1XX	Calculus I + UCC Math Sub 100-level	T
	IAI Social Science	3	EDUC 214	Human Dev & Learning (program requirement)	T
PHL 121	Intro to Logic (recommended HUMAN elective)	3	SOCIAL SCIENCE	See SIUC Transfer Equivalency Guide	T
			PHIL 105	Elementary Logic (recommended)	T
CHM 151	Chemical Principles	5	PHIL 307I	Philosophy of Science, Nature & Technology	3
BIO 102	Biological Science II	4	CHEM 200/201 + SC1 1XX	Intro to Chem Principles w/Lab + UCC Science Sub 100-level	T
	IAI Fine Arts	3	BIOL 212	Intro Evolution and Ecology	T
BIO 225	Genetics	3	FINE ARTS	See SIUC Transfer Equivalency Guide	T
EDC 203	Schooling in Diverse Society	3	BIOL 202	Human Genetics & Human Health	T
			EDUC 211	Diversity in Education (program requirement)	T
		<b>41</b>			<b>3</b>

\*An AS from a regionally accredited Illinois community college satisfies UCC requirements

**Program Requirements**

		Hrs	<b>Program Requirements</b>		Hrs
SCI -or- ORI 100	STEM Fundamentals -or- College 101	1	<b>Any unarticulated courses will be used to satisfy general elective credit</b>		
BIO 101	Biological Sciences I	4	BIOL 211	Intro to Cell Biology & Genetics	T
CHM 201	Organic Chemistry I	5	CHEM 340/341	Organic Chemistry I/Lab	T
CHM 202	Organic Chemistry II	5	CHEM 442/443	Organic Chemistry II/Lab	T
CHM 152	Chem Prin w/Qual Analysis	5	CHEM 210/211 + SC1 1XX	General and Inorganic Chem/Lab + UCC Science Sub 100-level	T
CPS 176 -or- CPS 206	Intro to Computer Program -or- Computer Science I	4	CS 202	Intro to Computer Science	T
EDC 208	Intro to Special Education	3	SPED 200 (elective)	Introduction to Special Education	T
MAT 120	Elementary Statistics	3	MATH 282	Intro to Statistics	T
MAT 201	Calculus II	5	MATH 250	Calculus II	T
PHY 205	University Physics I	5	PHYS 205/255A	University Physics/Lab	T
		<b>40</b>			
			<b>Major Requirements</b>		
			ENGL 290, 291 -or- 391	Writing Across the Disciplines, Technical Writing & Comm -or- Style & Editing	3
			PHYS 205/255B	University Physics/Lab	4
			CHEM 311	Intermediate Inorganic Chemistry	3
			CHEM 330	Quantitative Analysis	5
			CHEM 350	Intro to Biological Chemistry	3
			CHEM 360	Classical Physical Chem	3
			CHEM 351 -or-361	Biochemistry Lab -or- Physical Chem Lab I	2
			From the following - 7 credit hours	CHEM 200 (fulfilled), 205, or 205H; CHEM 201 (fulfilled); CHEM 202, 207, or 207H; CHEM 210 (fulfilled), 215, or 215H; CHEM 211 (fulfilled); CHEM 212, 217, or 217H	0
			<b>Specialization Requirement</b>		
			CHEM 396	Undergraduate Research	1
			EDUC 301	Clinical I, Reflective Instructional Practices	1
			EDUC 302	Clinical II, Methods of Instructional Practices	1
			EDUC 303	Clinical III, Advanced Instructional Practices	1
			EDUC 308	Characteristics & Methods for Teaching Exceptional Children	3
			EDUC 313	Reflective Classroom Planning, Organization, and Management	3
			EDUC 319	Language, Culture, and Learning	3
			EDUC 360	Teaching Reading & Writing in the Secondary Content Areas	3
			EDUC 401A	Clinical Practice/Student Teaching	12
			EDUC 468	Science Methods for Middle/Senior High Schools	3
			GEO 121	The History of the Earth	2
			GEO 124	History of the Earth Lab	1

Total semester hrs complete w/ AS degree

**81** Total semester hrs complete w/ BS degree

**57**

**60**

Total hours to BS degree:

**141**