

## TRANSFER GUIDE

### Associate in Engineering Science transferring into BS Civil Engineering

John A Logan College Courses			
AES Civil Engineering – 67 hours			
ORI 100-1	College 101	CHM 152-5	Chemical Principles w/ Qual Analysis
ENG 101-3	English Composition I	EGR 101-3	Engineering Graphics
ENG 102-3	English Composition II	MAT 201-5	Calculus II
COM 115-3	Speech	MAT 202-3	Calculus III
MAT 131-5	Calculus I	MAT 205-3	Differential Equations
ECO 202-3	Intro to Microeconomics	PHY 201-3	Statistics
CHM 151-5	Chemical Principles	PHY 202-3	Dynamics
PHY 205-5	University Physics I	PHY 203-3	Mechanics of Materials
Elective-3	Social Science	PHY 206-5	University Physics II
Elective-3	Humanities/Fine Arts		
Southern Illinois University Carbondale Courses			
BS Civil Engineering – 67 hours			
Elective-3	Fine Arts	CE 330-3	Civil Engineering Materials
Elective-3	Multicultural	CE 340-3	Structures
BIOL 202-2	Human Genetics & Human Health	CE 418-3	Water & Wastewater Treatment
CE 251-1	Probability & Statistics	CE 421-3	Foundation Design
CE 263-3	Basic Surveying	CE 442-3	Structural Steel Design
ENGR 351-3	Numerical Methods	CE 444-3	Reinforced Concrete Design
ENGR 370A-3	Fluid Mechanics	CE 474-3	Water Resources Engineering
CE 301-2	Intro to Sustainability	CE 495A-3	Civil Engineering Design
CE 310/310L-4	Environmental Engineering/Lab	CE 495B-3	Civil Engineering Design
CE 320/320L-4	Soil Mechanics/Lab	CE Elect-12	12 hrs from CE 331 & CE 400 level
Total Hours to Bachelor Degree: 134 Hours			

### Questions? Contact Us!

**Salary Range:** \$50,000-\$90,000

**Possible Careers:** Staff Engineer  
Junior/Senior Engineer  
Site Engineer  
Project Manager  
Consulting Engineer  
Project Engineer  
Principle Engineer

**John A Logan College**  
Emily Monti  
Coordinator for Academic Programs  
P: 618-985-3741 extension 8514  
E: [emilymonti@jalc.edu](mailto:emilymonti@jalc.edu)

**Southern Illinois University Carbondale**  
Dr. Sanjeev Kumar, Chair  
Department of Civil & Environmental Engineering  
P: 618-536-2368  
E: [cedept@engr.siu.edu](mailto:cedept@engr.siu.edu)

## 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, [must attend an eligible community college](#), and [must select a participating SIU major](#). 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>John A. Logan College</b>	<b>2021-2022</b>		<b>Southern Illinois University Carbondale</b>		
Associate in Engineering Science - Civil Engineering - 66-67 hrs			BS Civil Engineering (CE) - 127 hrs		
			<b>University Core Curriculum (UCC) Capstone Option - 30 hrs</b>		
		<b>Hrs</b>			<b>Hrs</b>
ORI 100	College 101	1	UNIV 101	Saluki Success	NA
ENG 101	English Composition I	3	ENGL 101	English Composition I	T
ENG 102	English Composition II	3	ENGL 102	English Composition II	T
COM 115	Speech	3	CMST 101	Intro to Oral Communication	T
MAT 131	Calculus I	5	MATH 150 (Required for BS degree)	Calculus I	T
ECO 202	Intro to Microeconomics	3	ECON 240 (Required for BS degree)	Intro to Microeconomics	T
	IAI SOCIAL SCIENCE	3	SOCIAL SCIENCE	See SIUC Equivalency Guide	T
	IAI HUMANITIES/FINE ARTS	3	HUMANITIES	See SIUC Equivalency Guide	T
			HUMANITIES		NA
CHM 151	Chemical Principles	5	CHEM 200/201/202 (Required for BS degree)	Intro to Chemical Principles/Lab/Workshop	T
PHY 205	University Physics I	5	PHYS 205A/255A (Required for BS degree)	University Physics/Lab	T
			FINE ARTS		3
			BIOL 202 (Required for BS degree)	Human Genetics and Human Health	2
			MULTICULTURAL		3
		<b>34</b>			<b>8</b>
Any additional courses may be taken at John A Logan College provided they are IAI designated courses or have been articulated to meet a category within the University Core Curriculum.					
<b>Program Requirements</b>			<b>Program Requirements</b>		
CHM 152	Chemical Principles w/ Qualitative Analysis	5	CHEM 210 (Required for BS degree)	General and Inorganic Chemistry	T
EGR 101	Engineering Graphics	3	ME 102	Computer-Aided Drawing	T
MAT 201	Calculus II	5	MATH 250 (Required for BS degree)	Calculus II	T
MAT 202	Calculus III	3	MATH 251 (Required for BS degree)	Calculus III	T
MAT 205	Differential Equations	3	MATH 305 (Required for BS degree)	Introduction to Ordinary Differential Equations I	T
PHY 201	Statics	3	ENGR 250 (Required for BS degree)	Statics	T
PHY 202	Dynamics	3	ENGR 261 (Required for BS degree)	Dynamics	T
PHY 203	Mechanics of Materials	3	ENGR 350A (Required for BS degree)	Mechanics of Materials	T
PHY 206	University Physics II	5	PHYS 205B/255B (Required for BS degree)	University Physics/Lab	T
		<b>33</b>	CE 251	Probability & Statistics	1
			CE 263	Basic Surveying	3
			ENGR 351	Numerical Methods	3
			ENGR 370A	Fluid Mechanics	3
			CE 301	Intro to Sustainability	2
			CE 310/310L	Environmental Engineering/Lab	4
			CE 320/320L	Soil Mechanics/Lab	4
			CE 330	Civil Engineering Materials	3
			CE 340	Structures	3
			CE 418	Water & Wastewater Treatment	3
			CE 421	Foundation Design	3
			CE 442	Structural Steel Design	3
			CE 444	Reinforced Concrete Design	3
			CE 474	Water Resources Engineering	3
			CE 495A	Civil Engineering Design	3
			CE 495B	Civil Engineering Design	3
			CE Electives	Choose 12 hrs from CE 331 and CE 400-level courses	12
					<b>59</b>
<b>Total semester hrs completed w/ AES degree:</b>		<b>67</b>	<b>Total semester hrs completed w/ BS degree:</b>		<b>67</b>
			<b>Total hrs to BS Degree:</b>		<b>134</b>
Degree plan created by SW 2/22/2022					