



John A. Logan College



TRANSFER GUIDE

AES Civil Engineering transferring into BS Civil Engineering

John A Logan College Courses			
AES Civil Engineering – 68 hours			
ORI/SCI 100-1	College 101/STEM Fundamentals	CHM 152-5	Chemical Principles w/Qual Analysis
ENG 101-3	English Composition I	MAT 201-5	Calculus II
ENG 102-3	English Composition II	MAT 202-3	Calculus III
MAT 131-5	Calculus I	MAT 205-3	Differential Equations
ECO 202-3	Intro to Microeconomics	PHY 201-3	Statics
Elective-3	IAI Social Science	PHY 202-3	Dynamics
Elective-3	IAI Humanities	PHY 203-4	Mechanics of Materials
Elective-3	PHY 205-5	PHY 205-5	University Physics I
CHM 151-5	Chemical Principles	PHY 206-5	University Physics II
Elective-3	IAI Life Science		
Southern Illinois University Carbondale Courses Capstone Option			
BS Civil Engineering (CE) – 67 hours			
CMST 101-3	Intro to Oral Communication	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
ENGR 351-3	Numerical Methods Engineering	CE 421-3	Foundation Design
ENGR 370A-3	Fluid Mechanics	CE 442-3	Structural Steel Design
CE 251-1	Intro Prob & Stats for Engineering	CE 444-3	Reinforced Concrete Design
CE 263-3	Basic Surveying	CE 474-3	Water Resources Engineering
CE 301-2	Intro Res Sustainability in CE	CE 495A-3	Civil Engineering Design
CE 310,310L-4	Environmental Engineering w/Lab	CE 495B-3	Civil Engineering Design
CE 320,320L-4	Soil Mechanics w/Lab	CE Tech Elec-12	Select from list of approved courses
Total Hours to Bachelor Degree: 135 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
Principal Engineer

John A Logan College
Emily Monti, M.Ed.
Manager of Curriculum & Instruction
P: 618-985-3741 extension 8514
E: emilymonti@jalc.edu

Southern Illinois University Carbondale
Prabir Kolay, Program Director
Civil Engineering
P: 618-453-7843
E: pkolay@siu.edu

Disclaimer: You are encouraged to use this transfer guide when planning your progress towards degree completion. Following a transfer guide does not guarantee admission into the listed program. Information is attempted to be kept current; however, any curriculum changes reflected in the Undergraduate Catalog override the information on this guide. Contact your Academic Advisor for assistance in interpreting this guide.



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.

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				
John A. Logan College Associate in Engineering Science -Civil Engineering - 68 hrs		2024-2025		
		Southern Illinois University Carbondale BS Civil Engineering (CE) - 127 hrs		
		University Core Curriculum (UCC) Capstone Option - 30 hrs		
		Hrs	Hrs	
		UNIV 101	Saluki Success	
		CMST 101	Intro to Oral Communication	
ENG 101	English Composition I	3	ENGL 101	
ENG 102	English Composition II	3	ENGL 102	
MAT 131	Calculus I	5	MATH 150	
ECO 202	Intro to Microeconomics	3	ECON 240	
	IAI Social Science	3	SOCIAL SCIENCE	
	IAI Humanities	3	HUMANITIES	
			HUMANITIES	
CHM 151	Chemical Principles	5	CHEM 200 -and- 201	
	IAI Life Science	3	LIFE SCIENCE	
	IAI Fine Arts	3	FINE ARTS	
			BIOL 202	
			MULTICULTURAL	
		31		
			8	
Program Requirements		Program Requirements		
ORI 100 -or- SCI 100	College 101 -or- STEM Fundamentals	1	Any unarticulated courses will be used to satisfy general elective credit	
CHM 152	Chemical Principles w/Qualitative Analysis	5	CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab
MAT 201	Calculus II	5	MATH 250	Calculus II
MAT 202	Calculus III	3	MATH 251	Calculus III
MAT 205	Differential Equations	3	MATH 305	Intro to Differential Equations
PHY 201	Statics	3	ENGR 250	Statics
PHY 202	Dynamics	3	ENGR 261	Dynamics
PHY 203	Mechanics of Materials	4	ENGR 350A	Mechanics of Materials
PHY 205	University Physics I	5	PHYS 205A -and- 255A	University Physics w/Lab
PHY 206	University Physics II	5	PHYS 205B -and- 255B	University Physics w/Lab
		37		
			ENGR 351	Numerical Methods in Engineering
			ENGR 370A	Fluid Mechanics
			CE 251	Intro to Probability & Statistics for Engineering
			CE 263	Basic Surveying
			CE 301	Intro to Resource Sustainability in Civil & Environmental Engineering
			CE 310 -and- 310L	Environmental Engineering w/Lab
			CE 320 -and- 320L	Soil Mechanics w/Lab
			CE 330	Civil Engineering Materials
			CE 340	Structures
			CE 418	Water & Wastewater Treatment
			CE 421	Foundation Design
			CE 442	Structural Steel Design
			CE 444	Reinforced Concrete Design
			CE 474	Water Resources Engineering
			CE 495A	Civil Engineering Design
			CE 495B	Civil Engineering Design
			CE Technical Electives	Choose 12 hrs from CE 331 & CE 400-level courses
				59
Total semester hrs completed w/AES degree:		68	Total semester hrs completed w/BS degree:	
				67
			Total hrs to BS Degree:	
				135
Degree Plan updated on 7/9/24 by SG				