

# TRANSFER GUIDE

## AES Engineering Science transferring into BS Civil Engineering

Kaskaskia College Courses			
AES Engineering Science – 64-71 hours			
ENGL 101-3	English Composition	ENGR 203-3	Statics
ENGL 102-3	English Composition	ENGR 204-3	Dynamics
COMM 103/204-3	Speech Comm/Intrpers Comm	ENGR 205*-3	Mechanics of Materials
MATH 166-5	Calculus & Analytical Geometry I	ENGR 210*-4	Electrical Circuit Analysis
Elective-3	Social Science	MATH 267-4	Calculus & Analytical Geometry II
Elective-3	Social Science	MATH 268-4	Calculus & Analytical Geometry III
PHLE 120/201-3	Ethics/Pro Ethics for Engineers	MATH 269-3	Differential Equations
Elective-3	Humanities	PHYS 201-5	University Physics I
CHEM 111-5	Chemistry I: Inorganic Chemistry	PHYS 202-5	University Physics II
ENGR 103-3	Engineering Graphics & CAD		<i>*Recommended Course</i>
ENGR 201-3	Computer Programng Engineers		<i>**64 hours w/out recommended courses</i>
Southern Illinois University Carbondale Courses Capstone Option			
BS Civil Engineering (CE) – 80 hours			
Elective-3	Life Science	CE 310,310L-4	Environmental Engineering w/Lab
Elective-3	Fine Arts	CE 320,320L-4	Soil Mechanics w/Lab
Elective-3	Multicultural	CE 330-3	Civil Engineering Materials
BIOL 202-2	Human Genetics & Human Health	CE 340-3	Structures
CHEM 210,211-4	General & Inorganic Chem w/Lab	CE 418-3	Water & Wastewater Treatment
ECON 240-3	Intro to Microeconomics	CE 421-3	Foundation Design
ENGR 350A-3	Mechanics of Materials	CE 442-3	Structural Steel Design
ENGR 351-3	Numerical Methods in Engineering	CE 444-3	Reinforced Concrete Design
ENGR 370A-3	Fluid Mechanics	CE 474-3	Water Resources Engineering
CE 251-1	Intro to Probability & Stats for Engr	CE 495A-3	Civil Engineering Design
CE 263-3	Basic Surveying	CE 495B-3	Civil Engineering Design
CE 301-2	Intro to Resource Sustainability	CE Tec EI-12	Select from CE 331 & CE 400 level courses
Total Hours to Bachelor Degree: 144-151 Hours			

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

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

### 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 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>	
AES Associate in Engineering Science - 64-71 Hours			BS Civil Engineering (CE) - 127 hrs	
			<b>UCC Capstone - 30 hrs</b>	
		<b>Hrs</b>		<b>Hrs</b>
			UNIV 101	Saluki Success
COMM 103 -or- 204	Fundamentals of Speech Comm -or- Interpersonal Comm	3	CMST 101 -or- 262 (101 fulfills UCC Speech Requirement)	Intro to Oral Comm -or- Interpersonal Comm
ENGL 101	English Composition	3	ENGL 101	English Composition I
ENGL 102	English Composition	3	ENGL 102	English Composition II
MATH 166	Calculus & Analytical Geometry I	5	MATH 150	Calculus I
	Social Science	3	SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>
	Social Science	3	SOCIAL SCIENCE	See <i>SIUC Transfer Equivalency Guide</i>
PHLE 120 -or- 201	Ethics -or- Professional Ethics for Engineers	3	PHIL 104 -or- GENL 2XX	Ethics -or- General Elective Credit
	Humanities	3	HUMANITIES	See <i>SIUC Transfer Equivalency Guide</i>
CHEM 111	Chemistry I: Inorganic Chemistry	5	CHEM 200 -and- 201	Intro to Chemical Principles w/Lab
			LIFE SCIENCE	3
			FINE ARTS	3
			BIOL 202	Human Genetics & Human Health
			MULTICULTURAL	3
		<b>31</b>		<b>11</b>
<b>Program Requirements</b>			<b>Program Requirements</b>	
ENGR 103	Engineering Graphics & CAD	3	ME 102 (elective)	Computer-Aided Engineering Drawing
ENGR 201	Computer Programming for Engineers	3	CS 202 (elective)	Intro to Computer Science
ENGR 203	Statics	3	ENGR 250	Statics
ENGR 204	Dynamics	3	ENGR 261	Dynamics
MATH 267	Calculus & Analytical Geometry II	4	MATH 250	Calculus II
MATH 268	Calculus & Analytical Geometry III	4	MATH 251	Calculus III
MATH 269	Differential Equations	3	MATH 305	Intro to Differential Equations
PHYS 201	University Physics I	5	PHYS 205A -and- 255A	University Physics w/Lab
PHYS 202	University Physics II	5	PHYS 205B -and- 255B	University Physics w/Lab
		<b>33</b>		
<b>*Recommended courses</b>				
ENGR 205*	Mechanics of Materials	3	ENGR 350C (elective)	Mechanics of Materials Lecture Only
ENGR 210*	Electrical Circuit Analysis	4	ENGR 335 (elective)	Electric Circuits I
		<b>40</b>		
			CHEM 210 -and- 211	General & Inorganic Chemistry w/Lab
			ECON 240	Intro to Microeconomics
			ENGR 350A	Mechanics of Materials
			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
				<b>69</b>
<b>Total semester hrs completed w/AES degree:</b>		<b>64-71</b>	<b>Total semester hrs completed w/BS degree:</b>	
			<b>Total hrs to BS degree:</b>	
			<b>144-151</b>	
<i>Degree Plan updated on 6/25/24 by SG</i>				