



TRANSFER GUIDE

AAS Architectural-Structural Engineering Technician transferring into BS Technical Resource Management

Gateway Technical College Courses			
AAS Architectural-Structural Engineering Technician – 65-67 hours			
801-136-(3)	English Composition 1	607-169-(2)	Surveying Basics
1 Course-(3-5)	Quant Reasoning/Coll Tech Math 1	607-170-(2)	AutoCAD for Construction Sciences
801-197-(3)	Technical Reporting	607-187-(2)	3D CAD: Dig Terrain Model
809-198-(3)	Intro to Psychology	614-102-(2)	Construction Project Management 2
809-195-(3)	Economics	614-107-(3)	Residential & Commercial Inspection
607-102-(2)	Conflict Resolution in CET	614-108-(1)	Residential Code
607-104-(3)	Building Material Construction Mthd	614-110-(3)	Architectural Drafting-Residential
607-128-(3)	Construction Estimating	614-114-(2)	Commercial Code
607-129-(2)	Future Trends Civil/Archi Tech	614-115-(3)	Architectural Drafting-Commercial
607-132-(3)	Structural Mechanics	614-123-(1)	Capstone: Architectural Structural Tech
607-134-(2)	Steel-Design & Detailing	614-138-(1)	3D Modeling & Virtualization
607-135-(2)	Reinforced Concrete-Design Detail	614-140-(3)	Mechanical Systems for Buildings
607-136-(2)	Construction Project Management	614-150-(2)	3D CAD: Building Information Modeling
607-141-(2)	Construction Basics	890-155-(1)	Gateway to Success
607-148-(1)	Wood-Designing & Detailing		
Southern Illinois University Carbondale Courses Capstone Option			
BS Technical Resource Management (TRM) – 60 hours			
CMST 101-3	Intro to Oral Communication	TRM 383-3	Data Apps & Interpretation
Elective-3	Humanities	TRM 425-3	Operations Management
Elective-3	Physical Science	TRM 464-3	Managing for Quality
Elective-3	Life Science	TRM 470-3	Project Management
Elective-3	Fine Arts	Support Crses-6	Select 2: TRM 332, 361, 362, 363E, 421, 440
Elective-3	Multicultural	Approved Elec-15	300/400 level
TRM 316-3	Apps of Technical Writing	TRM Course-3	TRM 319, 320, 350, 358
TRM 364-3	Work Center Management		
Total Hours to Bachelor Degree: 125-127 Hours			

Salary Range: \$39,000-\$71,000

Possible Careers: Team Leader Supervisor
District Sales/Service Mgr
Construction Foreman
Project Manager
Service Technician
Operations Manager
Supply Chain Manager
Materials Manager
Inventory Manager

Questions? Contact Us!

Gateway Technical College
Student Services Contact Center
P: 800-247-7122
E: sscontactcenter@gtc.edu

Southern Illinois University Carbondale
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Professor, Technical Resource Management
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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 assumed 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. 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				
Gateway Technical College 2025-2026			Southern Illinois University Carbondale	
AAS Architectural-Structural Engineering Technician - 65-67 hrs			BS Technical Resource Management (TRM) - 120 hrs	
			University Core Curriculum (UCC) Capstone Option - 30 hrs	
		Hrs		Hrs
			UNIV 101	Saluki Success
			CMST 101	Intro to Oral Communication
801-136	English Composition 1	3	ENGL 101	English Composition I
			ENGL 102	English Composition II
804-135 -or- 804-115	Quantitative Reasoning -or- College Technical Math 1	3-5	MATH 101 -or- MATH 1XX	Intro to Contemporary Math -or- UCC Quantitative Reasoning Sub 100-level
809-198	Intro to Psychology	3	PSYC 102	Intro to Psychology
809-195	Economics	3	ECON 113	Economics of Contemporary Social Issues
			HUMANITIES	3
			HUMANITIES	NA
			PHYSICAL SCIENCE	3
			LIFE SCIENCE	3
			FINE ARTS	3
			HUMAN HEALTH	NA
			MULTICULTURAL	3
		12-14		18
Program Requirements			Program Requirements	
607-102	Conflict Resolution in CET	2	The AAS degree in Architectural-Structural Engineering Technician meets the Career Electives requirement of 42 hours.	
607-104	Building Material & Construction Method	3		
607-128	Construction Estimating	3		
607-129	Future Trends Civil/Archi Tech	2		
607-132	Structural Mechanics	3		
607-134	Steel-Design & Detailing	2		
607-135	Reinforced Concrete-Design & Detailing	2		
607-136	Construction Project Management	2		
607-141	Construction Basics	2		
607-148	Wood-Designing & Detailing	1		
607-169	Surveying Basics	2		
607-170	AutoCAD for Construction Sciences	2		
607-187	3D CAD: Dig Terrain Model	2		
614-102	Construction Project Management 2	2		
614-107	Residential & Commercial Inspection	3		
614-108	Residential Code	1		
614-110	Architectural Drafting-Residential	3		
614-114	Commercial Code	2		
614-115	Architectural Drafting-Commercial	3		
614-123	Capstone: Architectural Structural Tech	1		
614-138	3D Modeling & Virtualization	1		
614-140	Mechanical Systems for Buildings	3		
614-150	3D CAD: Building Information Modeling	2		
801-197	Technical Reporting	3		
890-155	Gateway to Success	1		
		53		
			TRM 316	Applications of Technical Writing
			TRM 364	Work Center Management
			TRM 383	Data Applications & Interpretation
			TRM 425	Operations Management
			TRM 464	Managing for Quality
			TRM 470	Project Management
			TRM Support Courses	Select 2 from: TRM 332, 361, 362, 363E, 421, 440
			Approved Electives	300/400 Level
			TRM 319, 320, 350, 358	As necessary to meet 42 senior institution hour requirement
				42
Total semester hrs completed w/AAS degree:			Total semester hrs completed w/BS degree:	
		65-67		60
			Total hrs to BS degree:	
				125-127
Degree Plan created on 4/9/25				