

Construction Management



School of Engineering
Department of Construction

Degrees Available at SIUE

- Bachelor of Science, Construction Management (specialization available in the following)
 - Land Surveying

Construction Management at SIUE

The construction management program at SIUE blends business and engineering coursework to provide graduates with the knowledge and skills necessary for the multi-faceted aspects of careers in construction management. Students study engineering fundamentals and construction management practices and procedures, and integrate a business administration minor to develop a strong foundation that allows them to rapidly advance in the construction industry.

The construction management program is accredited by the American Council for Construction Education (ACCE).

What can I do with a degree in construction management?

The construction industry is one of the largest components of the U.S. economy, and according to the U.S. Bureau of Labor Statistics, the construction management field is expected to grow 10% through 2028. The scope of construction ranges from single buildings to mega-projects with total costs in the billions of dollars.

Continual changes in the industry require construction professionals with a diverse set of skills and knowledge in business management, engineering principles and construction methods and technology. Our graduates are in high demand across the industry.

On average, starting salaries in preconstruction, superintendent and project management career paths are over \$60,000. According to the U.S. Bureau of Labor Statistics, the 2020 median annual salary for construction managers was \$97,180.

Hands-On Learning

Students in the construction management program have the opportunity to apply what they learn in the classroom by participating in student organizations, including student chapters of Associated General Contractors (AGC), American Concrete Institute (ACI) and Associated Schools of Construction competition teams. Students also gain real-world construction management experience through co-ops, internships and undergraduate research.

Admission Requirements

To be admitted to the Bachelor of Science program, students must:

- Complete all academic development courses required by the University
- Complete any courses required to address high school deficiencies
- Complete MATH 120, College Algebra (or high school equivalents) with a grade of C or better
- Attain a cumulative GPA of at least 2.0 (on a 4.0 scale)

Graduation Requirements

Construction students must meet all University requirements for graduation and the following construction management program requirements:

- Earn a cumulative GPA above 2.0 in all construction courses
- Earn a cumulative GPA above 2.25 in all business courses to qualify for a minor in business administration
- Complete the construction management senior assignment



Faculty

John Cabage, PhD, PE
2014, University of Tennessee

Stephen Duda, MS, PE
1988, University of Dayton

Chris Gordon, PhD
2006, Carnegie Mellon University

David Sherrill, BS, PLS
1979, Morrison Institute of Technology

Ralph Tayeh, PhD
2021, University of Florida

Anne Werner, PhD, PE
2004, University of Illinois at Urbana-Champaign

Chenxi Yuan, PhD
2018, Purdue University



SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE
SCHOOL OF ENGINEERING

Sample Curriculum for the Bachelor of Science in Construction Management

Fall Semester

Spring Semester

	Fall Semester	Spring Semester
Year 1	CNST 120 Introduction to Construction 2	ENG 102 English Composition II 3
	ENG 101 English Composition I 3	MATH 152 Calculus II (BPS) 5
	MATH 150 Calculus I (FQR) 5	ECON 112 Microeconomics (BSS) 3
	ECON 111 Macroeconomics (BSS) 3	ACS 103 Interpersonal Communication (EUSC) 3
	CHEM 120A Gen, Org, and Biological Chemistry (BPS) 3	Total Credits 14
	CHEM 124A Gen, Org, and Biol Chemistry Lab (EL) 1	
	FST 101 Succeeding & Engaging at SIUE 1 Total Credits 18	
Year 2	CNST 211 Civil Construction Mat. & Methods 3	CNST 210 Building Construction Materials & Methods 3
	STAT 244 Statistics (BICS) 4	CNST 241 Statistics and Mechanics of Solids 4
	ACCT 200 Fundamentals of Financial Accounting 3	SURV 264 Surveying Fundamentals 4
	PHYS 141 Physics I for Engineering (BPS) 3	ACCT 210 Managerial Accounting 3
	PHYS 151L University Physics Lab I (EL) 1	Breadth Fine & Performing Arts (BFPA) 3
	Total Credits 14	Total Credits 17
Year 3	CNST 351 Structural Systems 3	CNST 301/CNST 301L Soils 4
	CNST 332 Mechanical Systems/HVAC 3	CNST 321 Electrical Systems 3
	FIN 320 Financial Management and Decision Making 3	CNST 341 Plans and Specifications 3
	ACCT 340 Business Law for Accountants 3	CNST 353 Computer Applications in Construction 3
	Breadth Life Science (BLS) 3	MGMT 330 Understanding the Bus. Environment 3
	Total Credits 15	Total Credits 16
	Year 4	CNST 403 Planning and Scheduling 3
CNST 451 Estimating and Bidding 3		CNST 452 Construction Management 4
CNST 451L Estimating and Bidding Lab 1		CNST 470 Internship 3
Technical Elective I 3		GBA 383 Business and Society (IS, EGC) 3
Technical Elective II 3		Technical Elective III 3
PHIL 323 Engineering Ethics & Professionalism (FRA, BHUM) 3		Total Credits 16
Total Credits 16		
	Total Hours 126	

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed, or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit siue.edu/transfer to find course equivalency guides.

Contact Information

Department of Construction
School of Engineering
Phone: 618-650-2088



This information is concurrent with the 2021-2022 Academic Catalog. Courses are subject to change at any time.