

Construction Management

Degrees Available at SIUE

- Bachelor of Science in Construction Management
 - Land Surveying

Construction Management at SIUE

The construction management program 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 in the School of Engineering 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 with the American Council for Construction Education.

Career Opportunities

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 11% through 2026. 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 \$57,000. According to the U.S. Bureau of Labor Statistics, the 2017 median annual salary for construction managers was \$91,370.

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

Ahmed Abdelaty, PhD
2017, Iowa State University

Chris Gordon, PhD
2006, Carnegie Mellon University

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

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

Chenxi Yuan, PhD
2018, Purdue University

Emeritus Faculty
Mark Grinter, MS, PLS
2008, Southern Illinois University Edwardsville



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 101 English Composition I 3 MATH 150 Calculus I (QR) 5 ECON 111 Macroeconomics (BSS) 3 CHEM 120A Gen, Org, and Biological Chemistry (BPS) 3 CHEM 124A Gen, Org, and Biol Chemistry Lab (EL) 1 FST 101 Succeeding & Engaging at SIUE 1 Total Credits 18	Experience Health (EH) 0-3 ENG 102 English Composition II 3 MATH 152 Calculus II (BPS) 5 ECON 112 Microeconomics (BSS) 3 ACS 103 Interpersonal Communication (EUSC) 3 Total Credits 14-17
Year 2	CNST 211 Civil Construction Mat. & Methods 3 STAT 244 Statistics (BICS) 4 ACCT 200 Fundamentals of Financial Accounting 3 PHYS 141 Physics I for Engineering (BPS) 3 PHYS 151L University Physics Lab I (EL) 1 Total Credits 14	CNST 210 Building Construction Materials & Methods 3 CNST 241 Statistics and Mechanics of Solids 4 SURV 264 Surveying Fundamentals 4 ACCT 210 Managerial Accounting 3 Breadth Fine & Performing Arts (BFPA) 3 Total Credits 17
Year 3	CNST 351 Structural Systems 3 CNST 332 Mechanical Systems/HVAC 3 FIN 320 Financial Management and Decision Making 3 ACCT 340 Business Law for Accountants 3 Breadth Life Science (BLS) 3 Total Credits 15	CNST 301/CNST 301L Soils 4 CNST 321 Electrical Systems 3 CNST 341 Plans and Specifications 3 CNST 353 Computer Applications in Construction 3 MGMT 330 Understanding the Bus. Environment 3 Total Credits 16
Year 4	CNST 403 Planning and Scheduling 3 CNST 451 Estimating and Bidding 3 CNST 451L Estimating and Bidding Lab 1 Technical Elective I 3 Technical Elective II 3 PHIL 323 Engineering Ethics & Professionalism 3 Total Credits 16	CNST 411 Construction Contracts 3 CNST 452 Construction Management 4 CNST 470 Internship 3 IS 401 Business and Society (EGC) 3 Technical Elective III 3 Total Credits 16
		Total Hours 126-129

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 2019-2020 Academic Catalog.
 Courses are subject to change at any time.