

CONSTRUCTION MANAGEMENT

School of Engineering • Department of Construction

Undergraduate Degree Available at SIUE

- Bachelor of Science (ACCE Accredited)

Specialization available in Land Surveying



AMERICAN COUNCIL FOR
CONSTRUCTION EDUCATION

Why Construction Management?

As a construction management professional, you can create and construct buildings and infrastructure that meet and exceed performance standards. The scope of construction opportunities ranges in cost from a few hundred dollars to billion-dollar projects. Working as part of a team of accountants, financial analysts, owners, architects, business managers and engineers, you can positively influence the world around you. Be a force for good in the world by improving conditions in underdeveloped countries or enhancing structures in the United States to withstand earthquakes, hurricanes, tornados and other natural disasters.

Construction Management at SIUE

The construction management program at SIUE combines basic scientific principles and business and engineering coursework to offer the knowledge and skills you need to coordinate the multi-faceted aspects of the construction industry. Here you will learn from highly qualified faculty members and will have an opportunity to apply your knowledge along the way through service projects. Student groups such as the Constructors Club allow you to build your professional network. You also may take your talent to a country in desperate need of infrastructure through the school's chapter of Engineers Without Borders.

Career Outlook

As one of the largest industries supporting the U.S. economy, construction management is brimming with work opportunities. The global evolution of the green industry adds dimension to this rewarding career field. The industry's continuing changes in management approaches and technology require professionals with background in leading edge construction management and engineering techniques.

Admission Requirements

Students admitted to programs offered in the School of Engineering shall have met the University admission requirements and the following additional School of Engineering requirements:

- completion of all required Academic Development courses
- completion of any courses required to address School of Engineering high school deficiencies
- eligibility to enroll in MATH 125 – Pre-Calculus at a minimum
- maintenance of a cumulative grade point average of at least 2.0 (on a 4.0 scale)

Exit Requirements

Satisfactory completion of all university, program and departmental requirements as outlined in the undergraduate catalog.

Other Engineering Programs at SIUE

Civil Engineering*, Computer Science*, Computer Engineering, Electrical Engineering*, Industrial Engineering*, Manufacturing Engineering, Mechanical Engineering*

* graduate program also available



Faculty

Marcelo Azambuja, Ph.D.

2009, University of Texas at Austin

Jie Gong, Ph.D.

2009, University of Texas at Austin

Chris Gordon (Chair), Ph.D.

2006, Carnegie Mellon University

Mark Grinter, M.S.

2008, Southern Illinois University Edwardsville

Anne Werner, Ph.D.

2004, University of Illinois at Urbana-Champaign

Sample Four-Year Curriculum (See Undergraduate Catalog for Additional Information)

| | FALL | SPRING |
|--------|---|---|
| YEAR 1 | CNST 120 Introduction to Construction (2) CHEM 120a General, Organic, and Biological Chemistry (3) CHEM 124a General, Organic, and Biological Chemistry Lab (1) ENG 101 English Composition I (3) MATH 150 Calculus I (5) ECON 111 Macroeconomics (3) Total 17 | ENG 102 English Composition II (3) MATH 152 Calculus II (5) PHYS 151 University Physics I (4) PHYS 151L University Physics Lab I (1) ECON 112 Microeconomics (3) Total 16 |
| YEAR 2 | CNST 210 Construction Materials and Methods (3) ACCT 200 Fundamentals of Financial Accounting (3) CNST 241 Statics and Mechanics of Solids (4) STAT 244 Statistics (4) Fine Arts or Humanities Intro (3) Total 17 | CNST 264 Construction Surveying (4) ACCT 210 Managerial Accounting (3) PHIL 106 Critical Thinking (3) SPC 103 Interpersonal Communication (3) Fine Arts or Humanities Intro (3) Total 16 |
| YEAR 3 | CNST 332 Mechanical Systems / HVAC (3) CNST 351 Structural Systems (3) FIN 320 Financial Management and Decision Making (4) Fine Arts Distribution Course (3) Total 13 | CNST 301/L Soils (4) CNST 321 Electrical Systems (3) CNST 341 Plans and Specifications (3) CNST 353 Computer Applications in Construction (3) Technical Elective I (3) Total 16 |
| YEAR 4 | CNST 403 Planning and Scheduling (4) CNST 451 Estimating and Bidding with Lab (4) ECON 331 Labor Economics (3) MGMT 340 Principles of Management (3) Technical Elective II (3) Total 17 | CNST 411 Construction Contracts (3) CNST 452 Construction Management (4) CNST 470 Internship (3) IS 401 Business & Society (3) Technical Elective III (3) Total 16 |

TRANSFER STUDENTS Maximize your transfer experience - complete the **bolded** courses/requirements pre-transfer **AND** satisfy 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. Transfer Credit Equivalency Guides are located at siue.edu/transfer/

Academic Advising Information

School of Engineering Student Services
 Campus Box 1806
 Southern Illinois University Edwardsville
 Edwardsville, IL 62026-1806
 618.650.5300
siue.edu/engineering/studentsservices

Contact Info

Department of Construction
 School of Engineering
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