

CONSTRUCTION MANAGEMENT - M.S.

College of Architecture and Environmental Design
www.kent.edu/caed

About This Program

The M.S. in Construction Management graduate program provides students with a unique blend of technical and leadership skills, including a strong foundation in engineering principles and opportunities for research. Our experienced faculty members are dedicated to advancing the field of construction management through cutting-edge research, and our state-of-the-art facilities provide the perfect setting for exploration and discovery. Whether you're a recent graduate looking to launch your career or a seasoned professional looking to advance your skills, our program has something to offer. Read more...

Contact Information

- Program Director: **Suat Gunhan, Ph.D.** | sgunhan@kent.edu | 330-672-2917
- Connect with an Admissions Counselor: U.S. Student | International Student

Program Delivery

- **Delivery:**
 - In person
- **Location:**
 - Kent Campus

Examples of Possible Careers and Salaries*

Construction managers

- 8.5% much faster than the average
- 476,700 number of jobs
- \$97,180 potential earnings

Architectural and engineering managers

- 2.6% slower than the average
- 198,100 number of jobs
- \$149,530 potential earnings

Cost estimators

- -1.5% decline
- 214,200 number of jobs
- \$66,610 potential earnings

Engineering teachers, postsecondary

- 8.6% much faster than the average
- 44,600 number of jobs
- \$103,600 potential earnings

* Source of occupation titles and labor data comes from the U.S. Bureau of Labor Statistics' Occupational Outlook Handbook. Data comprises projected percent change in employment

over the next 10 years; nation-wide employment numbers; and the yearly median wage at which half of the workers in the occupation earned more than that amount and half earned less.

For more information about graduate admissions, visit the graduate admission website. For more information on international admissions, visit the international admission website.

Admission Requirements

- Bachelor's degree from an accredited college or university
- Minimum 2.750 undergraduate GPA on a 4.000-point scale
- Official transcript(s)
- GRE scores
- Curriculum vitae or résumé
- Goal Statement
- Two letters of recommendation
- English language proficiency - all international students must provide proof of English language proficiency (unless they meet specific exceptions) by earning one of the following:
 - Minimum 550 TOEFL PBT score
 - Minimum 79 TOEFL IBT score
 - Minimum 77 MELAB score
 - Minimum 6.5 IELTS score
 - Minimum 58 PTE score
 - Minimum 110 Duolingo English score

Application Deadlines

- **Fall Semester**
 - Application deadline: February 1

Applications submitted after this deadline will be considered on a space-available basis.

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements		
AED 60922	METHODS OF INQUIRY IN ARCHITECTURAL STUDIES	2
AED 60923	EMPIRICAL RESEARCH IN ENVIRONMENTAL DESIGN	1
AED 60930	APPLIED RESEARCH METHODS IN ARCHITECTURE AND ENVIRONMENTAL DESIGN	3
CMGT 51041	ADVANCED ESTIMATING	3
CMGT 52105	CONSTRUCTION CONTRACTS AND LAW	3
CMGT 52107	CONSTRUCTION SCHEDULING	3
CMGT 52110	ADVANCED CONSTRUCTION MANAGEMENT	3
CMGT 62080	ADVANCED CONSTRUCTION RISK MANAGEMENT	3
Major Electives, choose from the following:		6
CMGT 62030	BUILDING INFORMATION MODELING FOR CONSTRUCTION MANAGEMENT	
CMGT 62040	CONSTRUCTION METHODS IMPROVEMENTS	
CMGT 62050	INTERNATIONAL CONSTRUCTION MANAGEMENT	
CMGT 62060	NEGOTIATION IN THE BUILT ENVIRONMENT	

CMGT 62070	ENGINEERING ECONOMICS AND STRATEGIC DECISION MAKING	
CMGT 67320	APPLIED SUSTAINABILITY IN CONSTRUCTION MANAGEMENT	
<i>Culminating Requirement</i>		
Choose from the following:		8
<i>Thesis Option</i>		
AED 66198	ADVANCED PROPOSAL WRITING	
AED 66199	THESIS I	
<i>Project Option</i>		
CMGT 65099	MASTER PROJECT IN CONSTRUCTION MANAGEMENT ¹	
Graduate Electives ²		
Minimum Total Credit Hours:		35

¹ Students who select the master's project are expected to demonstrate a summative understanding of their overall coursework. Students will be immersed in team settings and required to create a total company structure; estimate, schedule and complete risk assessment and sustainability goals for a proposed project; and develop a marketing plan and other expectations.

² Students who select the master's project will complete additional graduate-level courses to meet the minimum required credit hours for the degree. The courses will be part of the student's approved plan of study and should contribute to the master's project and the student's future goals. Students will be advised to take coursework in either construction management or a related field (e.g., architecture, business, healthcare design).

Program Learning Outcomes

Graduates of this program will be able to:

1. Exhibit the planning, organization, execution and contract skills of a construction manager.
2. Apply ethical and sustainability perspectives to construction management knowledge.
3. Demonstrate the financial, managerial and risk management of a leader in the construction industry.
4. Analyze how issues of cost, safety, quality, schedule and design impact project development and implementation.
5. Evaluate the procurement and logistics processes of underlying construction systems and devise strategies to mitigate these complexities.
6. Compare construction management technologies, innovations and processes, and how they relate to cross-disciplinary teams.

Full Description

The Master of Science degree in Construction Management offers students a deep understanding of leading dynamic construction projects and organizations in the built environment. The program also offers a thesis or project option for those interested in a research and/or a future higher education role. Graduates of the program are prepared to lead at both the project and corporate level.