

CONSTRUCTION MANAGEMENT - M.S.

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

About This Program

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.

Contact Information

- **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)
- 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 to waive) by earning one of the following:¹
 - Minimum 79 TOEFL iBT score
 - Minimum 6.5 IELTS score
 - Minimum 58 PTE score
 - Minimum 110 DET score

¹ International applicants who do not meet the above test scores will not be considered for admission.

Application Deadlines

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

All application materials (including applicable fee, transcripts, recommendation letters, etc.) submitted after these deadlines will be considered on a space-available basis.

Program Requirements

Major Requirements

Code	Title	Credit Hours
Major Requirements ¹		
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 51040	CONSTRUCTION ESTIMATING I ¹	3
CMGT 51041	ADVANCED ESTIMATING	3
CMGT 52105	CONSTRUCTION CONTRACTS AND LAW	3
CMGT 52107	CONSTRUCTION SCHEDULING ¹	3
CMGT 52110	ADVANCED CONSTRUCTION MANAGEMENT	3
CMGT 62080	ADVANCED CONSTRUCTION RISK MANAGEMENT	3
CMGT 62108	ADVANCED CONSTRUCTION SCHEDULING	3
Major Electives, choose from the following: ²		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 67295	SPECIAL TOPICS IN CONSTRUCTION MANAGEMENT
CMGT 67320	APPLIED SUSTAINABILITY IN CONSTRUCTION MANAGEMENT

Culminating Requirement

Choose from the following: 8

Thesis Option

AED 66198	ADVANCED PROPOSAL WRITING
AED 66199	THESIS I

Project Option

CMGT 65099	MASTER PROJECT IN CONSTRUCTION MANAGEMENT ³
Graduate Electives ⁴	

Minimum Total Credit Hours: 41

¹ Students with foundations in construction management may have CMGT 51040 and CMGT 52107 waived with approval from the program director. They may graduate with 35 credit hours.

² For students with strong qualifications in a related master's degree, one or more of the required electives may be waived (maximum of 5 credit hours) by the program director and admission committee. Students may graduate with minimum 36 credit hours. Students who have 5 credit hours of electives waived as well as CMGT 51040 and CMGT 52107 waived may graduate with 30 credit hours.

³ 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.

⁴ 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 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).

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.

Graduation Requirements

Minimum Major GPA	Minimum Overall GPA
-	3.000

- No more than one-half of a graduate student's coursework may be taken in 50000-level courses.
- Grades below C are not counted toward completion of requirements for the degree.

Program Learning Outcomes

Graduates of this program will be able to: