CONSTRUCTION MANAGEMENT - M.S.

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

Examples of Possible Careers*

Construction managers

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

Contact Information

- Program Coordinator: Suat Gunhan, Ph.D. | sgunhan@kent.edu | 330-672-2917
- Chat with an Admissions Counselor

Fully Offered

- Delivery: In person
- Location: Kent Campus

Admission Terms

- Fall

*Note
Source of occupation titles and labor data is 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.

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.

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 are required starting spring 2023
- Curriculum vitae or résumé is required starting spring 2023
- Goal Statement is required starting spring 2023
- 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: 1
  - Minimum 525 TOEFL PBT score (paper-based version)
  - Minimum 71 TOEFL IBT score (Internet-based version)
  - Minimum 74 MELAB score
  - Minimum 6.0 IELTS score
  - Minimum 50 PTE score
  - Minimum 100 Duolingo test score

1 Starting with spring 2023 admissions, students must earn one of the following minimum test scores to be considered: 550 TOEFL PBT, 79 TOEFL IBT, 77 MELAB, 6.5 IELTS, 58 PTE or 110 Duolingo

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

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.

Program Requirements

Major Requirements

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<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td>AED 60922</td>
<td>METHODS OF INQUIRY IN ARCHITECTURAL STUDIES</td>
<td>2</td>
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<tr>
<td>AED 60923</td>
<td>EMPIRICAL RESEARCH IN ENVIRONMENTAL DESIGN</td>
<td>1</td>
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<tr>
<td>AED 60930</td>
<td>APPLIED RESEARCH METHODS IN ARCHITECTURE AND ENVIRONMENTAL DESIGN</td>
<td>3</td>
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<tr>
<td>CMGT 52105</td>
<td>CONSTRUCTION CONTRACTS AND LAW</td>
<td>3</td>
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<td>CMGT 52107</td>
<td>CONSTRUCTION SCHEDULING</td>
<td>3</td>
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<tr>
<td>CMGT 52110</td>
<td>ADVANCED CONSTRUCTION MANAGEMENT</td>
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<tr>
<td>CMGT 62080</td>
<td>ADVANCED CONSTRUCTION RISK MANAGEMENT</td>
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Major Electives, choose from the following:

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<tr>
<td>CMGT 51041</td>
<td>ADVANCED ESTIMATING</td>
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<tr>
<td>CMGT 62030</td>
<td>BUILDING INFORMATION MODELING FOR CONSTRUCTION MANAGEMENT</td>
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<tr>
<td>CMGT 62040</td>
<td>CONSTRUCTION METHODS IMPROVEMENTS</td>
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<tr>
<td>CMGT 62050</td>
<td>INTERNATIONAL CONSTRUCTION MANAGEMENT</td>
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<tr>
<td>CMGT 62060</td>
<td>NEGOTIATION IN THE BUILT ENVIRONMENT</td>
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CMGT 62070  ENGINEERING ECONOMICS AND STRATEGIC DECISION MAKING

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 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).