CONSTRUCTION MANAGEMENT - M.S.

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

Contact Information
- Program Coordinator:
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  330-672-2917
- Chat with an Admissions Counselor

Fully Offered
- Kent Campus

Admission Terms
- Fall

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 for unconditional admission
- Minimum 3.00 GPA (on a 4.000 point scale) for unconditional admission
- Official transcript(s)
- 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 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

For more information about graduate admissions, please visit the Graduate Studies website. For more information on international admission, visit the Office of Global Education 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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<thead>
<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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<td>AED 60923</td>
<td>EMPIRICAL RESEARCH IN ENVIRONMENTAL DESIGN</td>
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<td>AED 60930</td>
<td>APPLIED RESEARCH METHODS IN ARCHITECTURE AND ENVIRONMENTAL DESIGN</td>
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<tr>
<td>CMGT 52105</td>
<td>CONSTRUCTION CONTRACTS AND LAW</td>
<td>3</td>
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<tr>
<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>
<td>3</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:
- CMGT 51041 | ADVANCED ESTIMATING
- 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

Thesis or Project Option, choose from the following:
- Thesis Option: AED 66099 | THESIS PREPARATION SEMINAR
- AED 66199 | THESIS I
- Project Option: CMGT 65099 | MASTER PROJECT IN CONSTRUCTION MANAGEMENT

Graduate Electives

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.
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).