MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT

Build your future through accredited graduate studies focusing on developing a new generation of construction leaders.
DISCOVER OUR PROGRAMS AND HEAR THE SUCCESS STORIES OF OUR STUDENTS
A Message from the Program Coordinator

In a construction market that is more demanding and more competitive than ever, everyone is looking to acquire the tools and skills needed for progressing their career. This is why the Masters of Science in Construction Management program at the American University in Dubai set its first goal as “to advance graduate students’ professional careers while staying technically current in the field of construction management or related disciplines”. The university serves this main goal through a group of international distinguished faculty covering a range of focus areas related to construction management, and through contemporary facilities housed on a modern campus.

Distinctively positioned in a vibrant and fast moving construction market, the M.S.C.M. Program was the first locally and internationally accredited graduate program in the UAE to specialize in construction management. The program is designed to accommodate full-time and part-time engineers through offering evening classes and flexible course load. The program helps engineers broaden their knowledge in core areas of construction management such as planning, cost engineering, sustainability and contracts. The program also equips engineers with innovative and modern tools such as BIM, 4D modelling and advanced decision analysis tools.

I encourage you to explore our program through our webpage or in person. I also invite you to get in touch with us to find out more about how the M.S.C.M. program at AUD can contribute to your career progression.

Ibrahim Bakry, Ph.D.
Coordinator of the MSCM Program
Associate Professor of Civil Engineering
The AUD Difference

- The highest level of academic standards and accreditation
- Emphasis on innovative and critical thinking
- Solid links with government and industry partners
- World-class Western-educated faculty
Construction Management at AUD

The Master of Science in Construction Management (M.S.C.M.) at AUD provides engineers, architects, quantity surveyors, and construction professionals with an opportunity to pursue state-of-the-art knowledge in construction engineering and management.

The program consists of a set of core courses covering discipline-specific topics such as construction scheduling, construction estimating, equipment and methods, construction Laws and regulations, finance and accounting, and decision science.

A broad range of electives are offered in areas such as productivity, lean construction, safety engineering, Building Information Modeling (BIM), and sustainable construction.

Thesis-based and course-only options are available for students to choose from, depending on interests and future career goals.
So Why AUD?

• Evening classes that suit working professionals’ schedules
• Convenient and accessible American-style campus
• Engaging and interactive small classes
• Choice of engineering and management electives
• Personal attention by dedicated faculty
• Focus on leadership development

Who Should Apply?

• Engineers, architects, quantity surveyors, and construction professionals
• UAE nationals and expatriates
• Working professionals, part-time students, and full-time students
• Construction professionals who wish to pursue doctoral studies later
Accrediation and Standards

The M.S.C.M. program at AUD is accredited by the UAE Ministry of Higher Education and Scientific Research.

The program is aligned with international standards and is consistent with the construction management body of knowledge, per the recommendations of:

- Construction Management Association of America (CMAA),
- American Council for Construction Education (ACEE),
- Associated School of Construction (ASC), and,
- Chartered Institute of Building (CIOB).
About the M.S.C.M.

Program Mission
The Mission of the Master of Science Program in Construction Management is to prepare a culturally diverse student population for successful careers by equipping them with the technical tools needed to plan, manage, and execute construction programs and projects in a safe, sustainable, and ethical manner. The Program provides a unique integration of global and regional perspectives within the curriculum, and emphasizes the role of technology, technical communication, and research in the construction management profession.

Program Goals
The M.S.C.M. Program graduates who will:
1. Advance their professional careers while staying technically current in the field of construction management or related disciplines;
2. Demonstrate social and ethical responsibility by adhering to the principles of sustainability, safety, and cultural diversity in the workplace;
3. Articulate professional arguments, perspectives, and decisions through technical communication.
Program Learning Outcomes
Upon completion of the Master of Science in Construction Management, students will be able to:

1. Apply knowledge in the core areas of planning, scheduling, estimating, and construction equipment and methods;

2. Differentiate between different project delivery methods and contract types, in relation to construction laws and regulations;

3. Use decision analysis tools and computer applications to reach informed decisions in construction projects;

4. Communicate technical information effectively in written, oral, and graphical formats;

5. Explain the professional and ethical obligations governing the construction management profession;

6. Demonstrate knowledge in current issues and modern trends in construction management research and practice.
Course Sequencing

M.S.C.M. students should adhere to the following course sequencing:

<table>
<thead>
<tr>
<th>Full-time</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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</thead>
<tbody>
<tr>
<td>Year I</td>
<td>EICM 612 (Planning and Scheduling in Construction)</td>
<td>EICM 622 (Construction Estimating)</td>
<td>EICM 642 (Construction Equipment and Operations)</td>
</tr>
<tr>
<td></td>
<td>Decision Management Elective</td>
<td>EICM 632 (Construction Laws and Regulations)</td>
<td>Elective or EICM 698 (M.S.C.M. Thesis)</td>
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<td></td>
<td>Elective</td>
<td>Elective</td>
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<tr>
<td>Year II</td>
<td>Elective</td>
<td>Spring</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Elective or EICM 699 (M.S.C.M. Thesis)</td>
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<table>
<thead>
<tr>
<th>Part-time</th>
<th>Fall</th>
<th>Spring</th>
<th>Summer</th>
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<tbody>
<tr>
<td>Year I</td>
<td>EICM 612 (Planning and Scheduling in Construction)</td>
<td>EICM 622 (Construction Estimating)</td>
<td>EICM 642 (Construction Equipment and Operations)</td>
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Summary of Degree Requirements

The M.S.C.M. is a 30-credit-hour professionally-oriented program.

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<thead>
<tr>
<th>Classification</th>
<th>Credit Hours</th>
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<tbody>
<tr>
<td></td>
<td>Thesis Option</td>
<td>Non-Thesis Option</td>
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<tr>
<td>Core</td>
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<tr>
<td>Decision Management</td>
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<td>Primary Electives</td>
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<td>Secondary Electives</td>
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<td>0-6</td>
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<tr>
<td>Thesis</td>
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For further information on the M.S.C.M. degree, please refer to the website https://www.aud.edu/aud-school/school-of-engineering/
The Advisory Board of the Civil Engineering Department consists of prominent professionals who advise the faculty on matters relevant to the programs, and assist the Department in implementing its strategic priorities.

Current and past Board Members include top-level executives from:
- eConstruct
- Metito
- IPCME
- Green Technologies
- Gulf Precast
- IStructE
- Keller Grundbau GmbH
- WJ Groundwater
- Cortec Middle East
- Atkins
- LACASA
Admissions Checklist

Please make sure that the following items are included with your application, your admission will depend on the receipt of all necessary documents that are required throughout the review of your application.

**Academic Requirements**

An earned undergraduate degree from an institution accredited by the Ministry of Education in the U.A.E. or by the relevant national or regional institutional accrediting body in the case of international applicants.

**Documents Requirements**

- A completed online Application for Admission.
- A 3.00 GPA (on a 4.00 scale) or better in undergraduate study.
- Official and attested transcripts (in English) of academic record from all universities attended.
- Undergraduate / Graduate Diplomas.
- Equivalency letter from the UAE Ministry of Education.
- Confirmation of University Records.
- A statement of the applicant’s career objectives.
- Official test scores: TOEFL®/IELTS™ & (GMAT® for MBA) & (GRE® for MSCM) where relevant.
- Two Reference Forms: completed by present or former university instructors or employers.
- Army exemption letter for all UAE nationals.

**Program-specific Admission Criteria**

- Undergraduate degree: in Engineering, Architecture, or a closely-related discipline, from a recognized institution.
- Graduate Record Examination (GRE®): Minimum score of 148 is required in the quantitative section.
- A minimum of three years of work experience as a field or design engineer is recommended.

**Financial Requirements**

- Non-refundable application fee of AED 420.
The School of Engineering prepares a culturally diverse community of learners for successful professional careers grounded in strong engineering knowledge, a culture of innovation, and an awareness of the global societal, economic, and environmental contexts within which engineering decisions are made.

ADMISSIONS AT AUD

The Mission of the Office of Admissions is to admit to AUD’s degree programs students who possess appropriate credentials and the demonstrated capacity and potential to successfully complete the educational programs provided by the university and meaningfully participate in the total educational experience offered by AUD.

The Office of Admissions consists of a professional team that assists prospective students gain accessibility to opportunities in higher education. The Admissions team is held to a high level of integrity and is charged with providing quality service and accurate information to all students.

AUD OFFICE OF ADMISSIONS
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admissions@aud.edu
www.aud.edu

For specific admissions requirements, please check the AUD Undergraduate Catalog at our website or contact the Office of Admissions.

IN THE UAE & THE USA
AUD is officially licensed by the U.A.E. Ministry of Education (MOE) The Ministry has accredited the university's undergraduate and graduate programs, in addition to Certificate programs in Middle Eastern Studies and Professional Teaching. The university is also accredited in the USA by the Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award Bachelor’s and Master’s degrees.