



# MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT

*Build your future through accredited graduate studies focusing on developing a new generation of construction leaders.*

## A MESSAGE FROM THE PROGRAM COORDINATOR



If you are considering post-graduate studies in Construction Management, the American University in Dubai is certainly the right place to be. Few places in the world afford the learning and career advancement opportunities in construction, supported by the practical exposure, as our Master's Program. Our campus is located at the heart of modern Dubai - one of the fastest growing cities in the world - thus providing a dynamic learning environment that is unparalleled elsewhere in the region. Our students are uniquely positioned to learn the technical challenges and innovative solutions associated with construction megaprojects such as Burj Khalifa, Palm Jumeirah and Dubai Metro.

The M.S.C.M. Program is designed to fulfill the needs of full-time graduate students or part-time working professionals, with the perfect balance between the technical and management aspects of construction engineering. I invite you to learn more about our program by visiting in person, or through our website.

Please feel free to contact us to discuss how AUD's M.S.C.M. program can support your career advancement.

***Elias I. Saqan, Ph.D.***  
***Chair of the Department of Civil Engineering***  
***Coordinator of the MSCM Program***  
***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, 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 on.





# ACCREDITATION 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 the

- 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. prepares 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:

<b>Full-time</b>	<b>Fall</b>	<b>Spring</b>	<b>Summer</b>
<b>Year I</b>	EICM 612: Construction Scheduling	EICM 622: Construction Estimating	EICM 642: Equipment and Methods
	EICM 620: Decision Management Elective	EICM 632: Construction Law	EICM 6(03): Business Elective or Thesis
<b>Year II</b>	EICM 6(01): Engineering Elective	EICM 6(02): Engineering Elective	
	EICM 6(04): Engineering Elective		
	EICM 6(05): Business Elective or Thesis		

<b>Part-time</b>	<b>Fall</b>	<b>Spring</b>	<b>Summer</b>
<b>Year I</b>	EICM 612: Construction Scheduling	EICM 622: Construction Estimating	EICM 642: Equipment and Methods
	EICM 620: Decision Management Elective	EICM 632: Construction Law	
<b>Year II</b>	EICM 6(01): Engineering Elective	EICM 6(03): Engineering Elective	EICM 6(05): Business Elective or Thesis
	EICM 6(02): Engineering Elective	EICM 6(04): Business Elective or Thesis	

# SUMMARY OF DEGREE REQUIREMENTS

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

Classification	Credit Hours	
	Thesis Option	Non-Thesis Option
Core	12	12
Decision Management	3	3
Primary Electives	3-9	9-15
Secondary Electives	0-6	0-6
Thesis	6	-
<b>Total</b>	<b>30</b>	<b>30</b>

For further information on the M.S.C.M. degree, please refer to the website <http://enr.aud.edu>







## ADVISORY BOARD

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.

- Completed Application for Graduate Admissions
- 3.00 GPA (on a 4.00 scale) in undergraduate study
- Undergraduate/Graduate Records: Official (sealed from American-accredited universities; e-transcripts accepted) or attested transcripts from all universities, colleges or other institutions of higher learning at which the applicant completed undergraduate and graduate studies
- Undergraduate/Graduate Diplomas - Originals required for verification
- Equivalency Letter from the UAE Ministry of Education - Higher Education Affairs (MOE-HEA)
- Profile and/or Grading system of universities/colleges previously attended
- Confirmation of University Records
- Two Official letters of recommendation
- CV/Resumé
- Statement of Career Goals
- Two recent passport-size photographs
- Passport photocopy with validity page
- Photocopy of Emirates ID
- Photocopy of UAE Residency Visa
- Army Exemption Letter (for all UAE nationals)
- Academic IELTS™ score of 6.5
- TOEFL® IBT score of 79-80 / TOEFL® ITP Paper-Based\* score of 550 (\*Accepted only from approved centers in UAE)
- GRE® with a min. score of 148 in Quantitative Reasoning
- Non-refundable application fee of AED 420
- Health History Form

## *M.S.C.M Admission Criteria*

- Undergraduate degree in engineering, Architecture, or a closely-related discipline, from a recognized institution
- GRE score of 148 or higher
- Undergraduate course work engineering design, statistics, structural analysis, and construction management
- Work experience (a minimum of three years is preferred)
- Length, breadth, and variety of the work experience

## *Scholarship Selection Criteria*

The MSCM scholarship is awarded based on

- Undergraduate GPA
- GRE score
- Work experience
- Statement of career objectives

## *Coverage*

These competitive scholarships will provide a 50% tuition discount for graduate students enrolling in the M.S.C.M program. and stamped by a Physician.

## *Renewal*

- Upon examination of a student's academic status and the submission of updated documents, renewal of the scholarship for existing holders will be reassessed once a year prior to the beginning of the Fall semester.



# AUD | AMERICAN UNIVERSITY IN DUBAI |

## School of Engineering

The School of Engineering prepares a culturally diverse student population for successful professional careers in Engineering at the regional and global levels. The School's educational experience provides all students with the knowledge needed for technical excellence in Engineering, while emphasizing the role of general education, ethical and social responsibility, and life-long learning in the personal and professional growth of future engineers.

### 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 Admissions Office 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 ADMISSIONS OFFICE**

P. O. Box 28282, Dubai, UAE  
T. +971 4 399 9000  
admissions@aud.edu  
www.aud.edu

For specific admissions requirements, please check the AUD Graduate Catalog on our website or contact the Admissions Office.

**ACCREDITED**

#### **IN THE UAE & THE USA**

AUD is officially licensed by the U.A.E. Ministry of Education – Higher Education Affairs (MOE-HEA) 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.

*Last updated October 2018*