

Curriculum

Program Component	Courses	Credit Hours
Summary of Course Requirements		
Program Core	7	21
Program Electives ¹	3	9
Total	10	30
1 Electives: Please note that for Track 1 students must choose three elective courses, whereas for Track 2 students must do the Master Thesis 1 and 2 and in addition choose one elective course.		

Table 2: Core Courses

Courses	Course Title	Credit Hours	Prerequisite(s)
MEM 501	Project Management	3	No Prerequisite
MEM 503	Advanced Engineering Data Analysis	3	STT 100 or equivalent
MEM 504	Quality Engineering & Management	3	MEM 503
MEM 506	Operations Research & Simulation	3	No Prerequisite
MEM 507	Systems Engineering	3	No Prerequisite
MEM 509	Digital Transformation and AI Applications	3	No Prerequisite
MEM 511	Operations and Supply Chain Management	3	MEM 506

Track 1: Master in Engineering Management

Students must choose 3 courses from the list of elective courses below

Courses	Course Title	Credit Hours	Prerequisite(s)
MEM 510	Innovation & Entrepreneurship	3	No Prerequisite
MEM 502	Advanced Engineering Economics	3	COE -202PC
MEM 508	Engineering Risk Analysis & Management	3	MEM 503
MPM 531	Sustainability & Professionalism in Project Management	3	No Prerequisite
ACC 522	Advanced Managerial Accounting	3	ACC -482PC
MGT 523	Strategic Management	3	Last Semester

Track 2: Master of Science in Engineering Management

Students must register for both MEM 598 and MEM 599 AND choose one course from the list of elective courses of Track 1. Completion of MEM599 requires submission of a draft paper to a Scopus-indexed conference or international journal

Courses	Course Title	Credit Hours	Prerequisite(s)
MEM 598	Master Thesis 1	3	Completion of 15 credits that include MEM 503
MEM 599	Master Thesis 2	3	MEM 598



MASTER OF ENGINEERING MANAGEMENT

Program Overview

The Master of Engineering Management (MEM) program is offered by the College of Engineering (CoE) in collaboration with the College of Business.

The program curriculum consists of 10 courses (30 credit hours), of which 6 are core engineering courses, 2 are core business courses, and two elective courses from a basket of either 2 engineering courses, or 2 business courses. The students could also do a research project in lieu of one elective course. The program accepts students with a Bachelor's degree in all engineering discipline, architecture, computer science or IT. The MEM program offers its students unique opportunities for advanced education in the field of engineering management as well as opportunities for leadership growth at personal and professional levels. It is focused on advanced economics, quality management, and operations and supply chain management. This program is an alternative to an MBA offered to engineers who are looking for improving their engineering education and acquiring business and management skills.

This program has been introduced at Abu Dhabi University in response to the UAE market needs where engineering is driving all sectors of the industry and where engineering managerial positions are crucial to the UAE firms. The graduates of this program will train Emirati and expatriate professionals to lead and manage projects in the UAE engineering-based industries.

Student's Testimonial

Nasser Khalid Aljallaf - Master of Engineering Management student

It was indeed an excellent opportunity to pursue my Master's degree in Engineering management at Abu Dhabi University. In these years I have evolved personally and professionally in a way I couldn't have possibly imagined. I will always be grateful to the faculty members of our department. Their exceptional teaching skills and expertise provided me with the right knowledge, tools and best practices to tackle any possible challenges that I might face in my future endeavors. I am proud to be an ADU student.



Career Prospects

- Make responsible engineering and business decisions
- Have the knowledge and skills necessary for planning and strategic management of organizations
- Have the ability to use principles of engineering and management in the modeling, design, and management of complex systems
- Capable of using quality methods and standards to develop and assess the quality of engineering systems

