

# Curriculum

Program Component	Courses	Credit Hours
Summary of Course Requirements		
Program Core	8	24
Program Electives <sup>1</sup>	2	6
Total	10	30
<sup>1</sup> Electives: The six credit hours of program electives could be utilized by choosing any one of the following three options: (a) A research project and one program elective (b) The two courses in the Management basket. (c) The two courses in the Engineering basket.		

**Table 2: Core Courses**

Courses	Course Title	Credit Hours	Prerequisite(s)
MEM 501	Project Management	3	
MEM 502	Advanced Engineering Economics	3	GEN-484PC
MEM 504	Quality Engineering	3	Knowledge of basic statistics
MEM 506	Operations Research and Simulation	3	
MEM 509	Information Technology Management	3	
MEM 511	Operations and Supply Chain Management	3	Completion of 18 credit hours
ACC 522	Advanced Managerial Accounting	3	ACC -482PC
MGT 523	Strategic Management	3	Last Semester Status

**Table 3: Electives/ Baskets <sup>2</sup>**

Basket	Course	Course Title	Credit Hours	Prerequisite(s)
Management	MGT 522	Leadership and Communication	3	
	MEM 510	Innovation and Entrepreneurship	3	
Engineering	MEM 507	Systems Engineering	3	
	MEM 508	Engineering Risk Management	3	

<sup>2</sup>To satisfy the requirements of a Basket, both courses in the basket must be taken.



## 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

