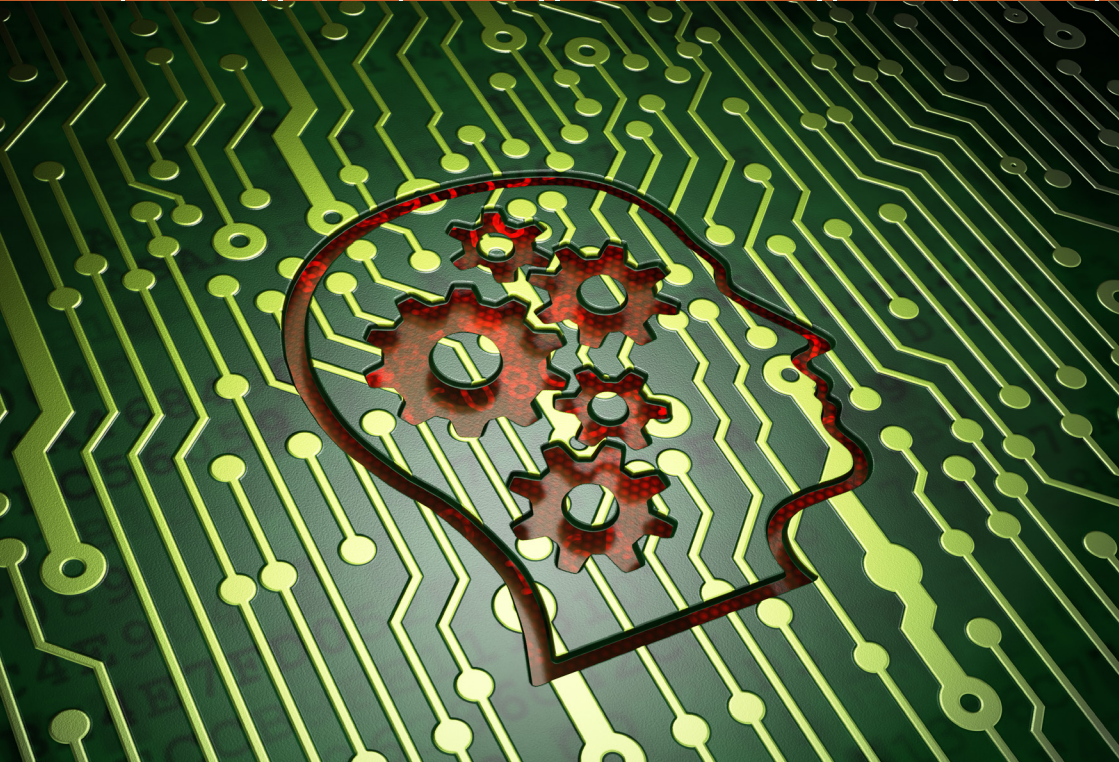




كلية الهندسة  
College of Engineering  
QATAR UNIVERSITY جامعة قطر

# Master of Science in Engineering Management



## About the Program

This Engineering Management (EM) program is designed to prepare professionals for the Qatari industrial world.

The Engineering Management program helps the engineers become effective managers, and strengthen their ability to lead people and projects. As a specialist, the engineer becomes effective through understanding how the engineering skills can best support the goals of the organization and its customers. In addition, the trained engineering manager becomes uniquely qualified for management of technical functions, and management of broader functions in the high-technology enterprise.

The program is fundamentally different from MBAs. MBA programs are designed to help prepare people for management roles while focusing on general business and managerial aspects rather than leveraging the technical background. However, in today's world, corporations also demand managers with strong technical backgrounds. The world trend in graduate education suggests that MBA and EM programs are not supplementary but complementary to each other.

## About the Curriculum and Coursework:

The Master of Science in Engineering Management provides students with managerial skills and equips them with the ability to scientifically oversee the managerial functions in various areas including infrastructure, construction, petrochemicals, utilities, power, and service industries. A typical duration of the program is four semesters (two years) and the maximum duration is eight semesters (four years). The Program is offered for both part- and full-time students.

## Degree Requirements:

The program requires a minimum of 36 credit hours of graduate-level course work for the thesis or the project options.

- 18 credit hours in core requirements.
- 12 credit hours from the three Focus Area package.
- 6 credit hours in either the project option or the thesis option.

## **Research Interests/Emphasis:**

Students can work on their thesis or research project in any one of the following areas:

- Operations Management
- Logistics and Supply Chain
- Construction Management
- Energy Management
- Healthcare Systems

## **Facilities:**

Many software such as MS Project, Primavera, Minitab, SPSS, Jack is a 3-D interactive ergonomics, ARENA for simulation modelling, and CPLEX for mathematical modelling optimization.

## **Potential Careers:**

Graduates of this program will be prepared to work as engineering managers in any government, service or industrial organization. Our graduates are currently working in variety of organizations such as oil and gas, construction, military, and healthcare.

## **Financial Support:**

Funding opportunities are available for graduate students such as the National Priority Research Program (NPRP) of Qatar Foundation and Qatar University internal grants. Qualified graduates can also apply for graduate assistantships that are provided by Qatar University.





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