



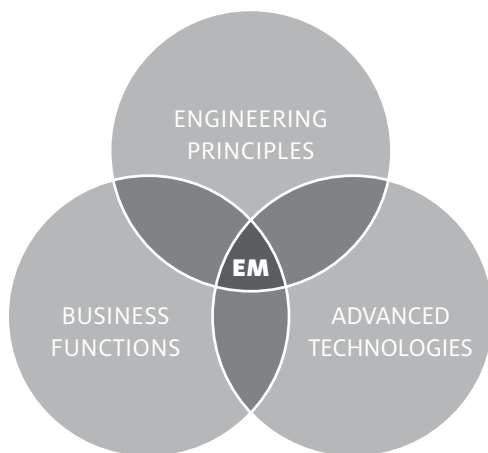
**MASTER OF SCIENCE IN**

# ENGINEERING MANAGEMENT

 | [IE.UH.EDU](http://IE.UH.EDU)

## ABOUT THE MASTER'S IN ENGINEERING MANAGEMENT

Engineering Management (EM) bridges the gap between engineering and technological problem-solving abilities of engineers with administrative skills for leading the day to day operations of today's complex organizations within the current global economy. The scope of EM includes:



**ENGINEERING MANAGEMENT PRINCIPALS**

The industrial engineering department at the Cullen College of Engineering offers an online 30-credit hours Master's of Engineering in Engineering Management degree.

At the time of graduation, graduates will be familiar with a variety of the engineering and management theories, concepts, tools, practices and procedures for leading and managing within their organization.

## WHY THE UNIVERSITY OF HOUSTON?

The industrial engineering department at the UH Cullen College of Engineering is highly-ranked, consisting of top-performing students and world-class faculty and researchers. Industrial engineering graduate students are taught by professors who are actively conducting research in the areas of healthcare and medical decision making, homeland and port security, energy, reliability and maintenance, logistics and transportation, supply chains and manufacturing. Graduate students are exposed to professional and research opportunities throughout their education.



## WHAT CAN I DO WITH AN ENGINEERING MANAGEMENT DEGREE?

The Master's in Engineering Management program meets the immediate needs of local industries by training the next-generation of engineering managers. The program addresses the needs of integrating the engineering and management functions for high technology organizations. Graduates of the program will have the skills and knowledge necessary to manage functions across manufacturing, service and technology organizations.

## CORE COURSES

As part of the interdisciplinary nature of EM degree, courses within Cullen College of Engineering and Bauer College of Business are carefully selected to offer the best learning experience in the EM discipline. Students are required to enroll in six required core courses in IE Department in Cullen College of Engineering:

- ▶ **IEEM 6330** Managing Engineering Functions
- ▶ **IEEM 6331** Quantitative Methods for Engineering Management
- ▶ **INDE 6332** Engineering Project Management
- ▶ **IEEM 6335** Engineering Management of Organizations
- ▶ **IEEM 6360** Data Analytics for Engineering Managers
- ▶ **INDE 6380** Accounting for Engineering Managers

Two management selected courses from Bauer College of Business and two technical courses offered by Cullen College of Engineering in any engineering discipline selected by the student. All selected courses must be approved by the program director.



For more information on eligibility and admissions requirements, please visit [www.ie.uh.edu/graduate/degree-programs/memgmt](http://www.ie.uh.edu/graduate/degree-programs/memgmt)

