

CERTIFICATE IN ENGINEERING MANAGEMENT

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Engineering Management Certificate Program aims to help individuals to understand and apply technical management principles to engineering projects by making right decisions at the right time with the associated cost, time and quality considerations. The principles covered in this program would help to gain technical management insight to tackle diverse engineering problems that exist in a dynamic business environment.

Learning Objectives

1. Understand how to complete technical projects that require engineering and/or computing knowledge base.
2. Analyze different financial aspects of projects for determining performance measurements for completion of engineering and/or computing projects.
3. Apply quality principles on systems to successfully complete engineering and/or computing projects.
4. Integrate principles of engineering management to complete a team-based real-life Engineering Management project.

Engineering Management Program of Study

Students pursuing this certificate take a total of three courses (9 credits) as outlined below.

Code	Title	Credits
Required		
IER 401	Introduction to Engineering Management	3
IER 402	Engineering Quality Management & Decision Making	3
Take 1 course from the following list		
IER 230	Lean Systems Engineering (MER 235)	3
IER 280	Data Analytics I	3
IER 375	Statistical Process Control	3
MG 302	Managing People, Projects and Change	3
MG 335	Project Management	3
MG 360	Power and Politics of Leadership	3