

# ENGINEERING MANAGEMENT - GRADUATE CERTIFICATE (ONLINE)

Advancing your career as a successful manager of technical and engineering teams means demonstrating effective leadership and possessing a range of real-world competencies. In this online graduate certificate program through the Coursera platform, students will master the key elements of engineering management and business-related functions, including finance, project management and authentic leadership. Through this comprehensive approach to management, students will be well-prepared to make an immediate and significant impact within their organizations.

The Engineering Management Graduate Certificate is an affordable way to gain new skills, earn an industry-recognized credential, and prepare for career advancement. For students interested in continuing their education, the certificate consists of the first three specializations within the ME-EM on Coursera master's degree (<https://www.colorado.edu/emp/coursera/>) and can be stacked toward the full degree.

ME-EM and Engineering Management Graduate Certificate on Coursera students earn the same credentials as on-campus students. There are no online or Coursera designations on official CU transcripts and diplomas.

## Program Policies

This CU Boulder on Coursera program does not align with standard campus policies. Please refer to the Online Programs (<https://catalog.colorado.edu/online/>) section of the catalog for more information.

## Requirements

### Admission Requirements

There are no admission processes for learners seeking to earn the Engineering Management Graduate Certificate on the Coursera platform. All courses attempted and/or completed for credit will appear on an official CU Boulder transcript (unless dropped by the drop deadline) and will count toward the cumulative GPA.

### Program Requirements

To earn the Engineering Management Graduate Certificate, students must earn 9 credit hours in the required courses listed below. To earn the certificate, students must have a separately computed minimum cumulative GPA of 3.000 across courses applicable toward the certificate. Up to three credits of C+s may be applied toward the certificate requirements.

### Prerequisite Knowledge

There are no formal prerequisites for the Engineering Management Graduate Certificate, but we recommend that prospective students have an undergraduate degree in engineering, science or a technical field (including areas such as physics, applied mathematics and computer science). If they do not have an undergraduate degree in engineering or a technical field, we recommend that students try the non-credit versions of courses to test their readiness before upgrading to the for-credit versions.

## Required Courses and Credits

Code	Title	Credit Hours
<b>Finance for Technical Managers</b>		
EMEA 5021	Product Cost and Investment Cash Flow Analysis	1
EMEA 5022	Project Valuation and the Capital Budgeting Process	1
EMEA 5023	Financial Forecasting and Reporting	1
<b>Project Management</b>		
EMEA 5031	Project Management: Foundations and Initiation	1
EMEA 5032	Project Planning and Execution	1
EMEA 5033	Agile Project Management	1
<b>Leading Oneself</b>		
EMEA 5051	Leading Oneself with Self-Knowledge	1
EMEA 5052	Leading Oneself with Purpose and Meaning	1
EMEA 5053	Leading Oneself with Personal Excellence	1
<b>Total Credit Hours</b>		<b>9</b>

## Learning Outcomes

By the completion of the program, students will be able to:

- Analyze personal leadership awareness.
- Manage complex projects with a systems-approach.
- Understand the financial implications of engineering decisions.