

ENGINEERING MANAGEMENT - MASTER OF ENGINEERING (ME)

The Master of Engineering in engineering management is an excellent alternative to an MBA for engineers, scientists and technical professionals who want to move into management. The program facilitates technically minded people to learn and practice data-driven management, develop leadership capabilities and apply proven principles for business performance improvement.

The core curriculum addresses the business basics of engineering management, project management, finance, technical communication and leadership. Elective courses provide in-depth skills in areas such as quality management, product management, R&D, ethical decision-making, lean and agile management, systems engineering and entrepreneurship. Graduates of the program are prepared to lead people and organizations and respond to the challenges that go along with managing engineering and technology businesses.

For more information, visit the program's Master of Engineering in Engineering Management (<https://www.colorado.edu/emp/graduate-programs/me-engineering-management/>) webpage.

Distance Education Option

Students can take individual courses toward a master's degree or graduate certificate through distance education (online). For more information, connect with the individual graduate program directly.

Bachelor's–Accelerated Master's Degree Program

Students may earn this degree as part of the bachelor's–accelerated master's (BAM) degree program, which allows currently enrolled CU Boulder undergraduate students the opportunity to earn a bachelor's and master's degree in a shorter period of time.

For more information, see the Accelerated Master's tab for the associated bachelor's degree(s):

- Aerospace Engineering Sciences - Bachelor of Science (BSAE) (<https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/aerospace-engineering-sciences/aerospace-engineering-science-bachelor-science-bsae/#acceleratedmasterstext>)
- Electrical and Computer Engineering - Bachelor of Science (BSEC) (<https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/electrical-computer-energy-engineering/electrical-computer-engineering-bachelor-science-bsec/#acceleratedmasterstext>)
- Electrical Engineering - Bachelor of Science (BSEE) (<https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/electrical-computer-energy-engineering/electrical-engineering-bachelor-science-bsee/#acceleratedmasterstext>)
- Mechanical Engineering - Bachelor of Science (BSME) (<https://catalog.colorado.edu/undergraduate/colleges-schools/engineering-applied-science/programs-study/mechanical-engineering/mechanical-engineering-bachelor-science-bsme/#acceleratedmasterstext>)

[engineering/mechanical-engineering-bachelor-science-bsme/#acceleratedmasterstext](#))

Requirements

The following course requirements are subject to change; for the most current information, visit the program's Degree Requirements (<http://www.colorado.edu/emp/degree-requirements/>) webpage.

Degree Requirements

The ME degree requires 30 credit hours. Students complete four core courses and six elective courses.

Code	Title	Credit Hours
Required Courses		
EMEN 5015	Engineering Communication	3
EMEN 5020	Finance for Engineering Managers	3
EMEN 5030	Fundamentals of Project Management	3
or EMEN 5405	Fundamentals of Systems Engineering	
EMEN 5050	Leading Oneself	3
Elective Courses		
18 credits of EMEN coursework 5000 level or above will count, except for EMEN 5000		18
Total Credit Hours		30

Learning Outcomes

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

- Identify, explain and use engineering management concepts and theories.
- Analyze personal leadership awareness.
- Communicate effectively with technical and non-technical professionals.
- Understand the financial implications of engineering decisions.

Dual Degree Programs

In addition to the Master of Engineering in Engineering Management, the Engineering Management Program also offers dual degrees in the following areas:

- Aerospace Engineering Sciences
- Computer Science
- Electrical, Computer and Energy Engineering
- Mechanical Engineering

For more information, visit the program's Dual Graduate Degree Programs (<https://www.colorado.edu/emp/graduate-programs/dual-graduate-degrees/>) webpage.