

Engineering Management

Master of Science

Description

The **Master of Science in Engineering Management** (MSEM) degree program prepares professionals for careers in managing projects, programs, systems, and organizations. Industrial, research, consulting, and commercial firms now demand engineering managers with both cutting-edge technical competence and the management skills necessary to forge linkages with the systems and business sides of these organizations. These managers must be able to form and manage high performance teams and manage business and technological operations.

CU's MSEM degree is the technical alternative to the MBA. The program is multidisciplinary, combining elements of advanced study in various engineering disciplines with studies of business managers combine management and engineering savvy, making them unique and highly sought-after employees for a wide range of businesses.

Program elective courses can be selected from MBA, MS Data Science, MA Leadership or MS Computer Science courses.

Admissions Requirements

- A bachelor's degree or equivalent from a recognized college or university
- GPA of 2.7 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

Degree Requirements

- The maximum time limit to complete the program is five years or 150% of the credits, whichever the student reaches first.
- A minimum of 30 credit hours must be completed at CU.
- Up to 50% of the required credit hours can be transferred.
- Graduation is contingent upon the completion of 60 hours of prescribed courses with a minimum cumulative GPA of 3.00.

Courses

Professional Core

[MEM 501 - Fundamentals of Systems Analysis](#)

3 Credit Hours

[MEM 520 - Stochastic System Analysis](#)

3 Credit Hours

[MEM 530 - Operations Management](#)

3 Credit Hours

[BUS 521 - Management Information Systems](#)

3 Credit Hours

[BUS 522 - Principles of Organization Finance](#)

3 Credit Hours

[MGT 542 - Managerial Accounting](#)

3 Credit Hours

Master's Thesis/Project

[MEM 690 - Project/Thesis I](#)

3 Credit Hours

[MEM 695 - Project/Thesis II](#)

3 Credit Hours

Electives

12 Credit Hours