

# 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.

### Admissions Requirements

- A high school diploma or GED
- GPA of 2.0 or higher
- Official transcripts from all previously attended schools
- Completed application with Carolina University

### Graduation Requirements

In order to become a candidate for graduation a student:

1. Shall have completed a minimum of 30 credit hours at CU;
2. Shall have maintained a minimum academic average of C (higher for some programs);
3. Shall have passed all courses in his/her curriculum and made a C or better in key courses designated as essential in each program;
4. Shall have completed at least 24 of the final 30 hours with Carolina University.

### Degree Requirements

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

### Courses

#### Professional Core

<a href="#">MEM 501 - Fundamentals of Systems Analysis</a>	3 Credit Hours
<a href="#">MEM 520 - Stochastic System Analysis</a>	3 Credit Hours
<a href="#">MEM 530 - Operations Management</a>	3 Credit Hours
<a href="#">BUS 521 - Management Information Systems</a>	3 Credit Hours
<a href="#">BUS 522 - Principles of Organization Finance</a>	3 Credit Hours
<a href="#">MGT 542 - Managerial Accounting</a>	3 Credit Hours

#### Master's Thesis/Project

<a href="#">MEM 690 - Project/Thesis I</a>	3 Credit Hours
<a href="#">MEM 695 - Project/Thesis II</a>	3 Credit Hours
Electives	12 Credit Hours