OVERVIEW

The Master of Engineering Management (MEM) is a professional practice-oriented advanced degree offered by the University of Nebraska College of Engineering in collaboration with the University of Nebraska College of Business Administration.

The MEM program combines advanced engineering coursework and graduate business classes, providing engineers and technical professionals the effective administration and management skills needed for the workplace.

The MEM degree is appropriate for engineers and technical professionals in all fields and is designed for those who want to expand their business acumen while also advancing their technical knowledge.

This part-time program requires 30 credit hours, taking two to four years to complete. The program features flexible scheduling, with courses available online (some electives available on campus).

- Centered on relevant topics and allows technical professionals to relate learning experiences with workplace challenges
- Topics include organizational structure and development, supply chain management, finance, accounting, project management, business theories and practice
- Integrate management and engineering methods in solving problems, making decisions, and managing risks
- Learn data-driven management principles to confidently lead projects that are innovative and cost effective

RANKINGS

18th U.S. News & World Report’s 2017 Best Online Graduate Engineering Programs
8th 2016 Online Business Education and Career Guide Top Management Degrees ranking of the 50 Best Online Master’s Programs in Engineering Management/Engineering Programs
23rd 2015 Best Online Master’s in Engineering Management Programs on superscholar.org
The MEM program requires 30 credit hours. All courses are 3 credit hours intended to be completed in an eight-week period. At least 15 credit hours must be completed in engineering coursework (required 3 MEM courses and 2 engineering elective courses), 9 credits must be MBA courses and 6 credits can be either engineering, MBA or other. Courses are available online and with some electives available on campus. Course descriptions are available on mem.unl.edu.

Core Coursework
- Analysis of Engineering Management I
- Decision and Risk Analysis
- Analysis of Engineering Management II

MBA Courses
The following courses have been offered in the MBA program:
- Introduction to Business Strategy
- Financial Accounting
- Managerial Finance
- Managerial Economics
- Managerial Marketing
- Applied Organizational Behavior
- Supply Chain Management
- Strategic Human Resource Management
- Business Analytics
- Other electives available

Engineering Electives
The following courses have or will be offered in the MEM program:
- Engineering Leadership
- Technical Project Management
- Engineering Law
- Sustainability
- Total Quality Management Using Six Sigma Techniques
- Reliability Engineering
- Applied Statistics and Quality Control
- Quality Engineering
- Other electives available

“I am able to apply topics such as project management, risk analysis, quality management and financial justification to improve projects and internal processes at work. This degree has also given me a broader understanding of business and management that I can apply to my work universally.”

Jay Steinman
MEM Class of 2017, Huffman Engineering

mem.unl.edu