



COLLEGE OF ENGINEERING

Master of Engineering Management

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.

At \$630 per credit hour, the MEM is one of the most affordable online graduate engineering programs ranked by the *US News & World Report* and a great value for the money.

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

“Our MEM program prepares you for the management of business challenges in your engineering career. The curriculum gives you the acumen to effectively lead in an engineering environment, to successfully respond to technical and business challenges, and to support your organization to be agile and competitive in a global economy. **”**

Dr. Jena Shafai Asgarpoor

Associate Professor of Practice, Durham School,
Director, Master of Engineering Management (MEM) Program



RECENT EMPLOYERS

AECOM
Airlite Plastics
AGP
Baldwin Filters
Becton, Dickinson and Company
Benesch
Black and Veatch
Boeing
Bosch
Bunge North American
Chief Industries
ConAgra Foods
Conductix-Wampfler Inc.
Continental
Eaton
Exmark Manufacturing
FedEx
Global Industries
Grand Island Utilities
Ground Improvement Engineering
HDR
Hexagon
Honeywell
Huffman Engineering Inc.
InfraStructure LLC
JEO
John Deere
Johnson & Johnson
Kansas City Power and Light
Kiewit
Lincoln Electric System (LES)
Lincoln Industries
Medtronic
Microsoft
Nebraska Department of Roads
Nebraska Public Power District
Olsson Associates
Omaha Public Power Systems
Pfizer
Royal Engineered Composites
Stanley Black and Decker
TransCanada
Union Pacific
U.S. Armed Forces
U.S. Army Corps of Engineers
UTC Aerospace Systems
Valmont
Zoetis

CURRICULUM

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



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ADMISSION REQUIREMENTS

- At least 1-2 years of relevant work experience required (depending on type of experience)
- 3.0 GPA or higher recommended
- A Bachelor of Science (or higher) degree in engineering or quantitative area
- One academic year of Calculus
- An introductory, calculus-based probability and statistics course
- An engineering economy course
- Completion of at least one engineering science course
- International students need a score of at least 550 on the paper-based TOEFL; 79 on the Internet-based TOEFL or an International English Language Testing System (IELTS) overall band score of at least 6.5

• NO GMAT OR GRE REQUIRED

Applicants may include these scores to supplement their application

GET STARTED!

Find out more about the degree program (tuition/fees, course descriptions, faculty) along with admissions and enrollment steps:

College of Engineering: mem.unl.edu

To apply (Office of Graduate Studies): unl.edu/gradstudies/prospective/programs/EngineeringManagement

For advising and additional information, contact:

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Omaha, NE 68182
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