

# MEM

# MBA

## PREFERRED BY ENGINEERING & TECHNICAL COMPANIES

- Primary focus on management and leadership of complex engineering operations or systems
- Tailor-made for those with STEM backgrounds
- Typically 30 credit hours (completion possible in 2 years)
- Enhances both technical & operational and business skills

## PREFERRED BY NONTECHNICAL COMPANIES

- Broader curriculum with focus on making business decisions at the firm level
- Typically 48 credit hours (could take 4 or more years)
- May require GMAT or GRE

## KEY FEATURES

- Translate engineering projects into business plans
- Gain skills in strategy, leadership, operations, quality, finance
- Specialized hybrid of technical/operational and business courses follow EMBOK (Engineering Management Body of Knowledge)

### KEY SKILLS:

- Strategic planning of engineering and technology
- Leadership and design thinking
- Managing & leading technical people, projects, teams, operations
- Communication and presentation
- Decision and risk analysis
  - Applied courses
  - Immediate utility at the functional level

- Focus is on business management theory and practice
- Gain knowledge in leadership, teamwork, strategic thinking and time management
- General business courses like accounting, marketing, HR

### KEY SKILLS:

- Strategic thinking for the business
- Leadership and organization
- Marketing Innovation
- Communication
  - Conceptual courses
  - Focus is high: Firm/business level

LEAD  
Engineering



LEAVE  
Engineering

## WHAT YOU'LL NEED TO EARN A GRADUATE DEGREE

- Engineering or science-related undergraduate degree
- 2 years of engineering/tech work experience (Average is 5-6 years)
- Appeals to professionals at all levels:
  - Those aspiring to become managers or to become better employees
  - Mid-career engineers to enhance their strategic & managerial skills

- General bachelor's degree (A to Z: Art to Zoology are eligible)
- Most require 1-2 years of paid work experience
- Average work experience is 3-5 years
- Demonstrated leadership experience: internships, other organizations/groups

## JOBS AND OPPORTUNITIES

# \$111,000

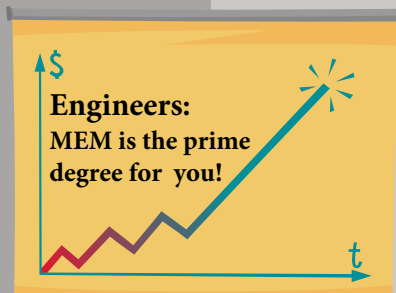
AVERAGE SALARY - ENGINEERING MANAGER

Our graduates primarily work in:

- High-tech companies
- Construction Management
- Research and Development
- Biomedical; Biotech, Medical Devices companies
- Engineering Services; Private & Public Utilities
- Manufacturing

**More than 90% of MEM graduates work in engineering and technology industries**

SOURCES:  
<https://onlinemasters.ohio.edu/blog/mba-vs-mem/>  
<https://www.businessstudent.com/careers/salary-outlook-engineering-management-degree/>  
<https://www.usnews.com/education/best-graduate-schools/top-business-schools/articles/mba-salary-jobs>



# \$102,495

AVERAGE SALARY (INCLUDING BONUS)

Graduates primarily work in:

- Economics
- Banking, Finance, Investment
- Marketing and Human Resources
- Retail, hospitality, general services
- Non-profit organizations

**Less than 30% of MBA graduates work in engineering and technology industries**



COLLEGE OF ENGINEERING

MEM.UNL.EDU

The Master of Engineering Management degree at Nebraska is ranked among the best programs in the nation, for good reason. We offer a degree of value: in total cost, personal attention, and the high level of course quality and instruction. And, our MEM is a certified program by the American Society for Engineering Management (ASEM). You will prepare to manage and lead technical and engineering people, projects, teams, and operations. Join today to build your tomorrow.

