The Master of Science degree in Engineering Management (MSEM) is a flexible, user friendly, and affordable online master's program that allows participants to maintain employment while advancing their knowledge and skills. Program coursework is designed with industry input and provides students with essential technical and management skills required by professionals in the industry today.

Students can enter the program at any one of the three semesters during the year and choose core classes and electives to match their individual interests and career goals. Students participate in classes face-to-face, streamed live, or watch recorded classes at their convenience. DVD's are available upon request.

Program Overview
Management positions in engineering fields require a unique blend of technical skills with management and leadership abilities. Our Engineering Management MS degree at SD Mines is a multi-disciplinary, applications-oriented degree drawing from fields of engineering, management and operations research. Diverse topics provide a broad view of engineering management, including economics and finance, safety and ergonomics, project management and risk assessment, and taking innovation from the workspace to the marketplace.

Accreditation
The South Dakota School of Mines and Technology is accredited by the regional Higher Learning Commission (HLC), a commission of the North Central Association of Colleges and Schools (NCA). For more information, please visit: ncahlc.org.

Tuition
The Engineering Management MS requires 32 credits. Cost for the distance program is $610.80 per credit hour, or approximately $20,000 for your masters degree. Other than the one time application fee of $35, there are currently no other costs except for books. South Dakota residents are eligible for a discount to $442.05 per credit hour.

*based on 2016/17 costs. See online price table for details.
Program Requirements and Options

A minimum 3 semester hours of required coursework must be completed in each of four discipline areas. Discipline areas and allowable courses are shown below. All courses are 3 credits, unless otherwise noted. Students wishing to utilize transfer courses to satisfy core requirements should contact their advisor or the program coordinator for suitability of transfer credits. In some cases, agreements with other state institutions are already available.

http://www.sdsmt.edu/distanceEM/

Required Core Courses (3 credits in each of 4 core areas)

**Business/Finance**
- ENGM 661: Engineering Economics for Managers (variable credits: 1 to 4)
- ENGM 640: Business Strategy

**Management**
- ENGM 742: Engineering Management and Labor Relations
- IENG 466/566: Project Planning and Control

**Quantitative Methods**
- ENGM 631: Optimization Techniques
- ENGM 732: Stochastic Models in Operations Research
- ENGM 745: Forecasting for Business and Technology

**Operations Management**
- ENGM 663: Operations Planning
- ENGM 620: Quality Management

Recommended Elective Courses (20 credits)

- ENGM 640: Business Strategy
- ENGM 650: Safety Management
- ENGM 655: Ergonomics for Managers
- ENGM 675: Legal and Ethical Issues in Engineering Management
- ENGM 625: Innovation and Commercialization
- ENGM 720: Statistical Process Control
- ENGM 732: Stochastic Models in Operations Research
- ENGM 745: Forecasting for Business and Technology
- IENG 431/531: Industrial Hygiene
- IENG 415/515: Decision Analysis
- ENGM 615: Nonparametric Statistics
- ENGM 792: Topics (variable credits: 1 to 3)

For More Information:
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