

Courses

Contact information

IOWA STATE UNIVERSITY

Department of Industrial and
Manufacturing Systems Engineering

Intro/Core

(Required first year)

- IE 563. Engineering Management Theory
- IE 565. Systems Engineering & Analysis

Core

(Required)

- IE 570. Systems Engineering & Project Management
- MGMT 583. Strategic Management of Innovation
- SCM 524. Strategic Process Analysis & Improvement

Electives*

(Select 5 courses/15 credits)

Engineering Courses

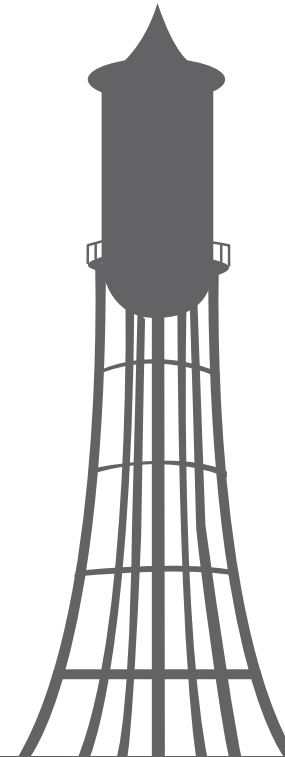
- IE 560. Engineering Risk Analysis
- IE 561. Continuous Quality Improvement of Process
- IE 564. Decision Analysis in System Design
- IE 582. Enterprise Modeling and Integration
- Con E 380. Engineering Law

Business Courses

- IE 450. Technical Sales for Engineers I
- FIN 501. Financial Valuation & Corporate Financial Decisions
- MGMT 503. Professional Responsibility in Business & Society
- MKT 501. Marketing

One Graduate-Level Course of Your Choice

* Elective courses are subject to change by IMSE Department



Engineering Management

www.imse.iastate.edu

- MASTER OF ENGINEERING -

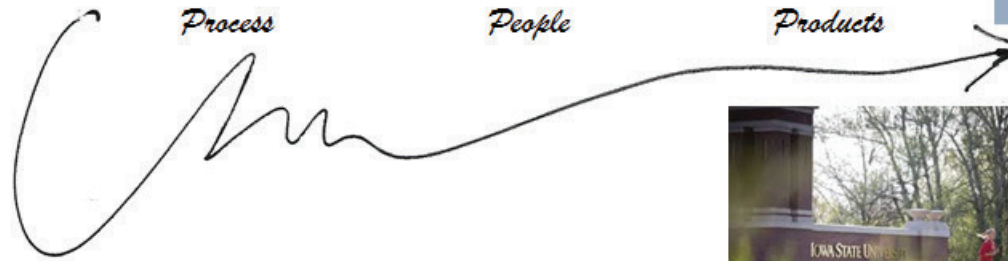
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The American Society for Engineering Management (ASEM) defines Engineering Management as follows:

Engineering Management (EM) bridges the gap between engineering and management. EM is the art and science of planning, organizing, allocating resources, and directing and controlling activities that have a technological component.



ENGINEERING MANAGEMENT

Online or on campus, the Engineering Management program focuses on developing an individual's engineering, science and management skills so they can succeed in a technology driven environment. There is a growing need for engineers that can build and lead multi-disciplinary teams, while confronting technical and business challenges by applying a systems approach to solving real-world problems.

Complete your degree for under \$21,000*

**expected total cost of all courses required for the program as of 2015.*

"The program offers a great balance of engineering and business classes that are very applicable and useful to my everyday work."

- Samantha Taets, graduate student in Engineering Management

Admission requirements

Unrestricted admission requires (1) a 3.0 grade point average from an ABET accredited undergraduate engineering program, (2) two years of engineering experience or current full-time employment as an engineer, (3) calculus, engineering statistics, and engineering economy. A GRE is not required.

Applicants for admission to the Engineering Management program apply through the Graduate College at ISU.

Each applicant must submit:

- Application and application fee
- Official academic transcript
- Three letters of recommendation
- Resume

Students enrolling full-time into the program must have two years of work experience as an engineer. Students enrolling part-time into the program must be currently employed as an engineer.

Application should be submitted as early as possible before the beginning of the term for which admission is sought. Applicants may apply for admission to the Engineering Management program online through the Graduate College website at www.admissions.iastate.edu/apply/graduate.php