

# Courses

## 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
- ACCT 581. Accounting for Decision Making

## Electives\*

*(Select 5 courses/15 credits)*

### Engineering Courses

- IE 541. Inventory Control and Production Planning
- 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

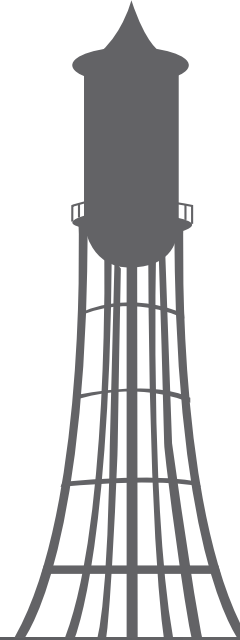
### Business Courses

- 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

# Contact information



# IOWA STATE UNIVERSITY

Department of Industrial and  
Manufacturing Systems Engineering

# Engineering Management

[www.imse.iastate.edu](http://www.imse.iastate.edu)

MASTER OF ENGINEERING

Department of Industrial  
and Manufacturing Systems Engineering  
Iowa State University  
3004 Black Engineering  
Ames, IA 50011

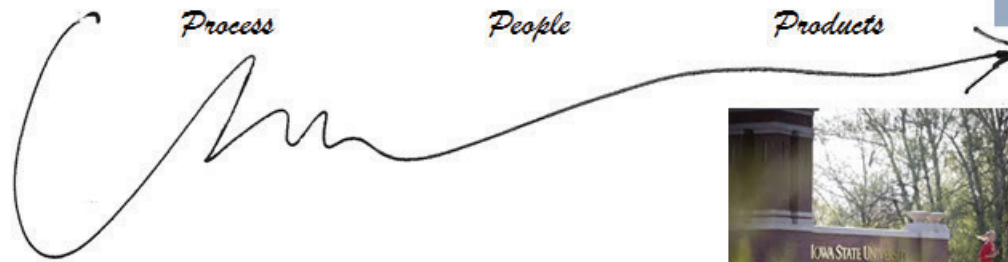
[eng-management@iastate.edu](mailto:eng-management@iastate.edu)

(515) 294-4702

Iowa State University does not discriminate on the basis of race, color, age, ethnicity, religion, national origin, pregnancy, sexual orientation, gender identity, genetic information, sex, marital status, disability, or status as a U.S. veteran. Inquiries can be directed to the Office of Equal Opportunity, 3350 Beardshear Hall, (515) 294-7612.

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 \$26,000\***

*\*expected total cost of all courses required for the program as of 2018*

**“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](http://www.admissions.iastate.edu/apply/graduate.php)