

# ENGINEERING MANAGEMENT

## Engineering Management Master's Degree Online

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 multi-disciplinary design teams, then lead those teams to solve technical and business challenges. The Iowa State University Master of Engineering in Engineering Management Program is designed to train leaders who can meet both the technical and managerial challenges in developing modern complex engineered systems. The program can be completed on line or in residence, part-time or full-time.

## 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 for this program.

Applicants for admission to the Engineering Management Program apply through the Graduate College at Iowa State University. Each applicant must submit:

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

Applications should be submitted as early as possible before the beginning of the semester for which admission is sought. Individuals may also take up to 9 credits at Iowa State as a non-degree seeking student and then transfer them to the program when they are admitted. (<http://www.elo.iastate.edu/how-elo-works/admission-and-enrollment/>)

The Master of Engineering in Engineering Management Program at Iowa State University is focused on supporting working professionals so teaching or research assistantships typically are not available.

## Degree Requirements

Engineering Management Core:

IE 563	Engineering and Systems Management	3
IE 570	Systems Engineering and Project Management	3
MGMT 583	Strategic Management of Innovation	3
SCM 524	Strategic Process Analysis and Improvement	3

Engineering courses:

IE 564	Decision Analysis
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IE 561	Total Quality Management
IE 541	Inventory Control and Production Planning
CON E 380	Engineering Law
Business courses	
FIN 501	Financial Valuation and Corporate Financial Decisions
MKT 501	Marketing
MGMT 503	Professional Responsibility in Business and Society
IE 450	Technical Sales for Engineers I