

Engineering Management Minor

SOCI 345	Sociology of Organizations
SOCI 370	Sociology of Globalization

The Mechanical and Industrial Engineering Department within the Norm Asbjornson College of Engineering offers a nonteaching minor in Engineering Management. The field of Engineering Management is focused on the managerial, financial and systems level aspects of engineering problem solving. Students completing the minor will find themselves better prepared to successfully work in a technical leadership capacity. To complete the minor, students take a core group of four courses and plus three elective courses for a total of 21 credits, as outlined in the table below. The Engineering Management minor is not available to Industrial & Management Systems Engineering majors.

Required Pre-Requisite Courses

One of the following: 3

EGEN 350	Applied Engineering Data Analysis
EIND 354	Engineering Probability and Statistics I

One of the following: 3

M 166	Calculus for Technology II
M 172	Calculus II

Recommended Core Elective Courses

One or more of the following:

BGEN 242D	Introduction to International Business
PSYX 100IS	Intro to Psychology
SOCI 101IS	Introduction to Sociology

Required Courses

One of the following: 3

EGEN 325	Engineering Economic Analysis
EGEN 330	Business Fundamentals for Technical Professionals
ECNS 345	Econ Org, Finance & Credit

EIND 300 Engineering Management & Ethics 3

EIND 373 Production Inventory Cost Analysis 3

EIND 434 Project Management for Engineers 3

Technical Problem Solving Elective

Choose One: 3

EIND 455	Design of Experiments for Engineers
EIND 457	Regres & Multivar Analysis
EIND 458	Production & Engineering Mgmt
EIND 477	Quality Management Systems

Managerial Problem Solving Elective Courses

Choose Two: 6

BGEN 361	Principles of Business Law
BMGT 329	Human Resource Management
BMGT 406	Negotiation/Dispute Resolution
BMGT 464	International Management
ECIV 406	Sustainability Issues in Construction
ECNS 309	Managerial Economics
EIND 425	Technology Entrepreneurship
PSYX 360	Social Psychology
PSYX 461	Indust & Organiz Psych
PSYX 481	Judgment & Decision Making