Engineering Management Minor

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

SOCI 345 Sociology of Organizations
SOCI 370 Sociology of Globalization