Engineering Management Minor

The Mechanical and Industrial Engineering Department within the 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 are required to complete 21 credits for the minor by taking a core group of four courses and selecting an additional three elective courses. Students completing the minor will find themselves better prepared to successfully work in a technical leadership capacity. The Engineering Management minor is not available to Industrial & Management Systems Engineering majors. Students earn the minor by completing the following courses:

Required Pre-Requisite Courses
One of the following: 3
- EGEN 350 Applied Engr Data Analysis
- EIND 354 Engineering Probability and Statistics I
One of the following: 3
- M 166Q Calculus for Technology II
- M 172Q Calculus II

Recommended Core Elective Courses
One or more of the following:
- BGEN 242D Intro to Int’l Business
- PSYX 100IS Intro to Psychology
- SOCI 101IS Introduction to Sociology

Required Courses
- EGEN 325 Engineering Economic Analysis 3
- EIND 300 Engineering Management & Ethics 3
- EIND 373 Production Inventory Cost Analysis 3
- EIND 434 Project and Engineering Management 3

Technical Problem Solving Elective
Choose One: 3
- EIND 455 DOE for Engineers
- EIND 457 Regres & Multivar Analysis
- EIND 458 Production & Engineering Mgmt
- EIND 477 Quality Assurance

Managerial Problem Solving Elective Courses
Choose Two: 6
- BMGT 329 Human Resource Management
- BGEN 361 Principles of Business Law
- BMGT 406 Negotiation/Dispute Resolution
- BMGT 420 Leadership and Motivation
- BMGT 464 International Management
- 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