

Master of Science in Engineering and Technology Management

Date: December 6, 2008

Degree Codes: ES MSEM EMGT

Contact: Professor James Palmer
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SCH Requirements: 33 SCH
Thesis Option: Not available
Practicum Option: Not available
Course-work only option: Yes (as specified below)

An undergraduate degree in an engineering discipline, computer science, or physical science is required for admission to the Engineering Mgmt. concentration. Management of Technology concentration is open to anyone with an undergraduate degree who meets Graduate School admission criteria but some proficiency/familiarity with science and technology is required to pass the core courses.

All courses listed are 3 credit hours each.

| Engineering Management Concentration | | | Management of Technology Concentration | | |
|---|--|-----------|--|---|-----------|
| Industrial Engineering | | 18 | Science/Technology Core (2 of 3 courses) | | 6 |
| INEN 507 | Engineering Administration (Alt. Winter) | | MSE 501 | Microsystems Principles (Fall) | |
| INEN 514 | Industrial Statistics (Winter/Spring) | | MSE 505 | Nanotechnology Principles (Spring) | |
| INEN 516 | Production Planning and Sequencing | | MSE 512 | Biotechnology Principles (Fall) | |
| INEN 503 | Management of Engineering Functions | | Business Core | | 6 |
| INEN 566 | Quality in Engineering | | MGMT 510 | Contemporary Management (Fall) | |
| INEN 557 | Special Topics: Project Management | | ACCT 505 | Acct. Analysis & Decision Making (Fall) | |
| Business Administration | | 12 | Engineering Mgmt | | 6 |
| MGMT 470 | Personnel Management (Fall) | | INEN 507 | Engineering Administration (Winter) | |
| MGMT 510 | Contemporary Management (Fall) | | INEN 557 | Special Topics: Project Management | |
| CIS 510 | Information Resource Management (Spring) | | Entrepreneurship | | 9 |
| PSYC 513 | Organizational Psychology (Fall/Spring)* | | ENTR 501 | Intro to Technology Transfer (Winter) | |
| Elective - Approved by Committee | | 3 | ENTR 510 | Entrepreneurship for High-Tech Start-ups (Winter) | |
| TOTAL | | 33 | ENTR 560 | Innovative Venture Research (Fall) | |
| | | | Elective/Design Component – Approved by Committee | | 6 |
| | | | TOTAL | | 33 |

* Another course may be substituted for this course at the discretion of the advisory committee.