

Engineering Management – Information Systems, M.S.

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The Master of Science in Engineering Management is designed for professionals with a technical degree who are preparing to assume more managerial responsibilities or who are broadening their knowledge base. Topics such as quality assurance, lean manufacturing and enterprise resource planning are complemented with the study of financial management, project management, managerial economics and more.

The information systems concentration will give students the opportunity to complete a wider range of engineering management courses. Engineering managers frequently use company information systems to improve operations. The IS concentration includes topics such as enterprise networking and communication, systems analysis and design and information processing.

CONTACT

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Curriculum

Required Core Courses

- IS 5300 - Enterprise Networking & Communication
- IS 5800 - System Analysis and Design
- IS 6000 - Enterprise Information Processes
- IS 6700 - Challenges & Implication of Digitization
- IS 6600 - Business Continuity and Disaster Recovery

MSE Courses

- MSE 5000 - Intro to Engineering Management
- MSE 6010 - Environmental Health and Safety
- MSE 6020 - Designing for Lean Manufacturing
- MSE 6030 - Enterprise Resource Planning
- MSE 6040 - Computer Integrated Manufacturing
- MSE 6050 - Stat Methods in Quality Assurance
- MSE 6060 - Legal Implications for Engineering Managers
- MSE 7000 - Advanced Topics in Engineering Management

MBA Courses

- MBA 5125 - Economic Decision Making for Managers
- MBA 5140 - Accounting and Finance Decision Making for Managers