

Curriculum Map for MS in Industrial Management (Evening Program) (Academic Years 2011-12)

Education Goals

- Possess professional and practical expertise
- Expressing abilities
- Possess global industrial development analytical skills
- Think innovatively
- Possess problem solving skills
- Possess professional IT and software application skills

Required Courses:
12 credits

Elective Courses:
18 credits



Profession Elective Courses (21 credit hours), need to take at least 4 courses in one specified track and one course from other tracks

Semester 1

Semester 2

Semester 3

Semester 4

Advanced topics in Industrial Management (3)

Technology English Writing (3)

Independent Study I (3)

Independent Study II (3)

**Track A:
Operations Management**

- Computer Aided Design and Manufacturing (3)
- Automated Inspection (3)
- Advanced Quality Control (3)
- Operations Management (3)
- The Operational Models of Electronic Enterprise (3)
- Computer Integrated Manufacturing (3)
- Automated Production System (3)
- Metrology and Quality (3)
- International Quality and Environmental Management (3)
- Semi-Conductor Manufacturing Management (3)
- International Logistics Management (3)
- Total Quality Management (3)
- Global Logistics Management (3)
- Electronic Commerce Practice (3)
- Heuristic Algorithms (3)
- Systems Simulation (3)
- Scheduling and Inventory Management (3)
- Reliability Engineering (3)
- Production Economics Analysis (3)
- Computer Data Analysis (3)
- Enterprise Resource Planning (3)
- Multivariate Analysis (3)
- Statistical Data Analysis (3)
- Intelligent Systems (3)
- Quality Management in Service Industry (3)
- Neural Networks (3)
- Industrial Management Software Application (3)
- Fuzzy Set Theory (3)
- Soft Computing (3)
- Experimental Design (3)
- Information Systems for Travel Agencies (3)
- Knowledge Management (3)
- Foundations of Industrial Training (3)
- Decision Analysis (3)
- Customer Relationship Management (3)
- Value Management (3)
- International Human Resource Management (3)
- Engineering (3)
- Project Management (3)
- Organization Theory and Management (3)
- Decision Support System (3)
- Export System (3)
- Innovation and Research Management (3)
- Electronic Commerce (3)
- Risk Management (3)
- Human Resource Management (3)
- Risk Management (3)
- Occupational Biomechanics (3)
- Operations Research (3)
- Industrial Relations (3)
- Work Physiology (3)
- Labor issues (3)
- Leadership (3)
- Research Methodology (3)
- Human-Computer Interactions (3)
- Technology Management (3)
- Strategic Management (3)
- Cognitive Engineering (3)

**Track B:
Decision Management**

**Track C:
General Management**

.....> Courses in order recommended
Total Credit Points Requirement: 30