

MS in Industrial Management Curriculum Flow Chart (2016-17)

PLEASE SEE THE DEPARTMENT OFFICE (ADMINISTRATION BLDG., RM. 1612-1) IF YOU NEED ASSISTANCE OR CALL (+886-7-6577711 EXT. 5502)

Education Goals

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

Core Subjects (16)
(Including Thesis Instruction (6) and Oral (0))

Electives Subjects (21)

Track A

Track B

Track C

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

Freshman Semester 1	Freshman Semester 2	Sophomore Semester 3	Sophomore Semester 4
Seminar I (1)	Seminar II (1)	Seminar III (1)	Seminar IV (1)
Advanced topics in Industrial Management (3)	Technology English Writing (3)	Thesis I (3)	Thesis II (3)
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Operations Management (3 /A)</p> <p>Operations Research (3 /B)</p> <p>Object-oriented Analysis and Design (3 /B)</p> <p>Organization Theory and Management (3 /C)</p> <p>Research Methodology (3 /C)</p> <p>Human Resource Management (3 /C)</p> <p>Logistics Management (3 /AB)</p> <p>Scheduling and Inventory Management (3 /AB)</p> </div> <div style="width: 45%;"> <p>Systems Simulation (3 /AB)</p> <p>Experimental Design (3 /ABC)</p> <p>Fuzzy Set Theory (3 /ABC)</p> <p>Data Envelopment Analysis (DEA) (3 /BC)</p> <p>Quality Control Practice (3 /A)</p> <p>Professional Presentation English (3 /ABC)</p> <p>Machine Vision (3 /AB)</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>Computer Integrated Manufacturing (3 /A)</p> <p>Human-Computer Interactions (3 /C)</p> <p>Leadership (3 /C)</p> <p>Financial Management (3 /BC)</p> <p>Service Operations Management (3 /AC)</p> <p>Decision Analysis (3 /BC)</p> <p>Project Management (3 /BC)</p> <p>Knowledge Management (3 /BC)</p> <p>Neural Networks (3 /ABC)</p> <p>Heuristic Algorithms (3 /AB)</p> <p>Product Design and Development Management (3 /AC)</p> </div> <div style="width: 45%;"> <p>Law of Industrial Safety and Hygiene (3 /C)</p> <p>Advanced Statistics (3 /ABC)</p> <p>Industrial Relations (3 /C)</p> <p>Data Mining (3 /B)</p> <p>Enterprise Resource Planning (3 /ABC)</p> <p>Advanced Operations Research (3 /AB)</p> <p>Procurement Management (3 /AB)</p> <p>Digital Image Processing (3 /AB)</p> <p>International Human Resource Management (3 /C)</p> <p>Special Issues in Sun-Tzu Doctrines and Management (3 /C)</p> </div> </div>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>International Quality and Environmental Management (3 /A)</p> <p>Technology Management (3 /C)</p> <p>Foundations of Industrial Training (3 /C)</p> <p>Reliability Engineering (3 /AB)</p> <p>Production Economics Analysis (3 /AB)</p> <p>Management Information System (3 /BC)</p> <p>Decision Support System (3 /BC)</p> </div> <div style="width: 45%;"> <p>Total Quality Management (3 /A)</p> <p>The Operational Models of Electronic Enterprise (3 /A)</p> <p>Innovation and Research Management (3 /C)</p> <p>Process Management (3 /AB)</p> <p>Customer Relationship Management (3 /BC)</p> <p>Gray Theory (3 /ABC)</p> </div> </div>	
			<p>Master Thesis (0)</p>
			<p>---> Courses in order recommended</p> <p>Total Required Credits: 37</p>