

MS in Industrial Management Curriculum Flow Chart (2018-19)

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)
Operations Management (3 /A)	Computer Integrated Manufacturing (3 /A)	International Quality and Environmental Management (3 /A)	Master Thesis (0)
Systems Simulation (3 /AB)	Human-Computer Interactions (3 /C)	Technology Management (3 /C)	Total Quality Management (3 /A)
Operations Research (3 /B)	Leadership (3 /C)	Foundations of Industrial Training (3 /C)	The Operational Models of Electronic Enterprise (3 /A)
Experimental Design (3 /ABC)	Financial Management (3 /BC)	Reliability Engineering (3 /AB)	Innovation and Research Management (3 /C)
Object-oriented Analysis and Design (3 /B)	Service Operations Management (3 /AC)	Production Economics Analysis (3 /AB)	Process Management (3 /AB)
Fuzzy Set Theory (3 /ABC)	Decision Analysis (3 /BC)	Management Information System (3 /BC)	Customer Relationship Management (3 /BC)
Organization Theory and Management (3 /C)	Project Management (3 /BC)	Decision Support System (3 /BC)	Gray Theory (3 /ABC)
Data Envelopment Analysis (DEA) (3 /BC)	Knowledge Management (3 /BC)		
Research Methodology (3 /C)	Neural Networks (3 /ABC)		
Quality Control Practice (3 /A)	Heuristic Algorithms (3 /AB)		
Professional Presentation English (3 /ABC)	Product Design and Development Management (3 /AC)		
Machine Vision (3 /AB)	Special Issues in Sun-Tzu Doctrines and Management (3 /C)		
Logistics Management (3 /AB)			
Scheduling and Inventory Management (3 /AB)			

--> Courses in order recommended
Total Required Credits: 37