

BS in Industrial Management Curriculum Flow Chart (2014-15)

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

Education Goals

- Acquire professional occupational skills
- Think independently
- Perceive global industrial development
- Express opinions
- Apply IT skills

General Required Core (16)

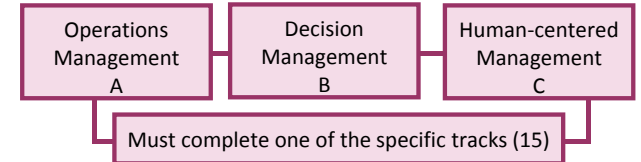
COM Prerequisites (23)

Service and Knowledge for Practice (2)

General Electives (12)

Required Courses (47)

Other Electives (20)



Freshman Semester 1	Freshman Semester 2	Sophomore Semester 1	Sophomore Semester 2	Junior Semester 1	Junior Semester 2	Senior Semester 1	Senior Semester 2	
Social Science subjects should not be included in the selection. Students should take subjects from four out of the remaining six disciplines.								
<p>Service Education I (0) → Service Education II(0)</p> <p>English Practice I(2) → English Practice II(2)</p> <p>Chinese Literature and Thoughts I (2) → Chinese Literature and Thoughts II (2)</p> <p>History of Civilization and Development (2) → Constitutionalism and Rule of Law (2)</p> <p>The introduction of computer and information system (2) → Information Technology Applications (2)</p> <p>Economic I (3) → Principles of Accounting (3)</p> <p>→ Economics II (3)</p> <p>→ Management (3)</p> <p>Introduction Management (3) → Computer Programming (3)</p> <p>→ Computer Graphics (2)</p> <p>Career Development(3)</p>	<p>English-listening and Speaking Lab I (1) → English-listening and Speaking Lab II (1)</p> <p>Physical Education I (0) → Physical Education II (0)</p> <p>Statistics I (3) → Statistics II (3)</p> <p>Managerial Mathematics(3) → Operations Management (3)</p> <p>→ Engineering Economics(3)</p> <p>Work Study (3)</p> <p>Applied Mechanics (3)</p> <p>Linear Algebra(3)</p> <p>Investment Management (3)</p> <p>Quality Management (3)</p>	<p>English-listening and Speaking Lab II (1)</p> <p>Physical Education II (0)</p> <p>Statistics II (3)</p> <p>Operations Management (3)</p> <p>Engineering Economics(3)</p> <p>Regression Analysis (3)</p> <p>Technology Industry Analysis (3)</p> <p>Industrial Relations(3)</p> <p>Taguchi's Quality Engineering(3)</p>	<p>Seminar Practice I (1) → Seminar Practice II (1)</p> <p>Operations Research I (3) → Operations Research II(3)</p> <p>Quality Management (3)</p> <p>Technology English(3)</p> <p>Data Processing (3)</p> <p>Facility Planning (3)</p>	<p>Human Factor Engineering (3)</p> <p>Manufacturing Process (3)</p>	<p>Service and Knowledge for Practice (2)</p> <p>Working Capability and Occupational Ethics (2)</p> <p>Technical Presentation Practice I (1)</p> <p>Workshop Practice (2)</p> <p>Professional Presentation English(3)</p> <p>Human / Machine Interface(3)</p> <p>Machine Vision (3)</p> <p>Manufacturing Industry Off-campus Practical Training I</p>	<p>Service and Knowledge for Practice (2)</p> <p>Working Capability and Occupational Ethics (2)</p> <p>Technical Presentation Practice I (1)</p> <p>Workshop Practice (2)</p> <p>Professional Presentation English(3)</p> <p>Human / Machine Interface(3)</p> <p>Machine Vision (3)</p> <p>Manufacturing Industry Off-campus Practical Training I</p>	<p>Quality manager, Operations manager, Process analyst, Facility engineer</p> <p>Human resource manager, Financial analyst, Procurement specialist/manager , staffs</p> <p>Industrial Safety Technician, System analyst and programmer, E-Business manager , Programmer</p>	
<p>→ Course grade for prerequisite must over 40</p> <p>Recommended course sequence</p> <p>Total Required Credits: 135 credits</p>		<p>A Operations Management Introduction to Industrial Automation (3), Materials Management(3), Project Planning and Scheduling(3), Computer Aided Design and Manufacturing (3), Quality Control Practice(3), Project Management(3), Procurement Management(3), Total Quality Management (3), Product Design and Development Management(3), Systems Simulation(3)</p>			<p>B Decision Management Internet and Intranet Application(3), Database Management(3),Industrial Safety and Hygiene(3) Decision Analysis(3), Business Automation(3), Fuzzy Set Theory(3), System Analysis and Design(3), Data Mining(3), Systems Simulation(3), Neural Networks(3)</p>		<p>C Human-centered Management Introduction to Business(3), Technology Management (3), Organizational Behavior(3), Marketing Management(3) Human Resource Management(3), Decision Analysis(3), Enterprise Diagnosis(3), Customer Relationship Management (3) Service Operations Management (3), Strategic Management (3)</p>	