

**Chung Hua University Department of Industrial Management**  
**Four-year Program in Curriculum for Class 112**

Revised at the 1st Industrial Management Curriculum Meeting of academic year 111 2nd semester, on March 13, 2023

Approved at the 1st College of Management Curriculum Meeting of academic year 111 2nd semester, on March 22, 2023

Approved by the 4th University Curriculum Committee on June 14, 2023

Freshman		Sophomore		Junior		Senior	
Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester
<b>Compulsory Subject (Total 28 Credits)</b>							
Physical Education ( I )	0	Physical Education (II)	0				
English ( I )	2	English ( II )	2	English ( III )	1	English ( IV )	1
Liberal Studies	2	Liberal Studies	2	Liberal Studies	2	Liberal Studies	2
Liberal Studies	2	Liberal Studies	2	Liberal Studies	2	Liberal Studies	2
6	6	5	5	4	2		
<b>College Required (Total 3 Credits)</b>							
Career Planning	3						
3							
<b>College Required (Total 27Credits)</b>							
Introduction to Business Software	3	Python Programming	3	Big Data Analytics and Business Intelligence (PBI/VBA)	3	Creative Thinking and Innovation Management	3
Accounting(I)	3	Economics ( I )	3	Statistics ( I )	3		
		Management	3			Enterprise Resource Planning Systems and Practice	3
6	9	6	3	0	3	0	0
<b>Department Required (Total 32Credits)</b>							
Industrial Management	3	Introduction to Semiconductor Industry	3	Work Study	3	Statistics(II)	3
		Introduction to Artificial Intelligence	3			Introduction to Operations Research ( I )	3
						Quality Control	3
						Production Planning and control	3
3	6	3	6	6	7	1	1
<b>Department Required Selective (Total 2 Credits)</b>							
Mathematics for Management	2						
2							
<b>Selected ( 41 Credits or Above ) 【 32 Primary Credits Selected, 9 Credits Selected form Others 】</b>							
Applications of Artificial Intelligence	3	Industrial Psychology	3	Occupational Safety	3	The Analysis of Financial Statements	3
Implementation for Creativity, Innovation and Entrepreneurship	3	Marketing Management	3	Financial Planning And Forex	3	Consumer Behavior	3
Introduction to Semiconductor Fabrication	3	Computer Graphics	3	Risk Management	3	Cost Accounting	3
Patent big data analysis	3	Calculus ( II )	3	Database Management Systems	3	Experimental Design	3
		Business Ethics	3	Introduction to Intellectual Property Right	3	CAD/CAM	3
		Facilities Planning	3			Enterprise management	3
						Material and Inventory Management	3
						Statistical Analysis and Application of Computer	3
						Theory of Constraint	3
						Dynamic systems analysis	3
						Decision Behavior and Habitual Domain	3
						Introduction to Human-machine Systems	3
						Regulations of Occupational Safety and Health	3
						Windows Programming	3
						Practice of Preject Management	3
						Strategic Management	3
						Project Management	3
						Technology English	3
						Production and Operations Management	3
						Problem Solving and Decision Making	3
						Practical Training in IM(I)	3
						Practical Training in IM(II)	3
						Practical Training in IM (III)	3
<b>Qualifications for graduation from our department</b>							
Required credits: <b>87 credits</b> (including <b>59 credits</b> of our departmental required, <b>6 credits</b> of English, and <b>22 credits</b> of General Education)							
Electives credits: <b>47 credits</b> (Including required and elective courses from the college, department, program, and electives from other departments. )							
◎Credits from other departments that can be recognized by this department amount to <b>9 credits</b> .							
◎Required elective course: defined as a course that must be taken within the period of study (withdrawal for the second time during the semester is considered not taken), and a grade in the subject on the transcript is recognized as an elective in the department's major field, and is eligible for graduation.							
Minimum graduation credits: <b>128 credits</b>							
<b>School and College Common required Notes</b>							
1.Students in our Department must complete the required credits of English and General Education courses in accordance with the "Regulations for English Courses at Chung Hua University" and "Regulations for General Education Courses at Chung Hua University" within the graduation period to be eligible for graduation.							
2.Students must complete the required credits of physical education courses in accordance with the "Regulations for Physical Education Courses at Chung Hua University" within the period of study to be eligible for graduation.							
3.Description of "Exploring the Science Park" course: In order to cultivate students' independent learning ability, understand SDGs issues, and start freshman independent exploration and learning, students of our school must complete the "Exploring the Science Park" course in freshman year, and the credits obtained can be recognized within 9 credits of external departments.							
4.To cultivate and enhance students' AI and metaverse application capabilities with the latest technologies, and to ensure that first-year students possess current technological knowledge, students at this university are required to complete "AI Experience 2.0" during first year, and the credits obtained can be recognized within 9 credits of external departments.							
5.Students must comply with the "Implementation Guidelines for Basic Competency Indicators for Students of Chung Hua University" and the "Implementation Guidelines for Basic Competency Indicators for Students of the College of Management, Chung Hua University" to fulfill graduation requirements.							
6.In order to achieve the "Information Application Ability" requirement of the Chung Hua University Basic Competency Indicators, students of this department must, within their study period, comply with the "Implementation Guidelines for the Information Application Proficiency Assessment of Chung Hua University." They are required to complete the college-mandated courses, including "Introduction to Business Software," "Big Data Analytics and Business Intelligence (PBI/VBA)," and "Python Programming." Students must earn the required credits and pass the information application proficiency assessment to meet graduation requirements.							
◎Students of the College of Management must pass at least one of the following certification: TQC Excel practical level, MOS Excel core level, the Excel information application competency test in Chung-Hua University.							
7.In order to achieve the "Social Care Ability" in the basic competency index of CHU students, students of this department must complete the required 18 hours of service according to the "Implementation Guidelines for CHU Volunteer Campus Culture Promotion" within the term of study in order to be eligible for graduation.							
8.In order to achieve the "Communication and Expression Ability" in the Basic Competency Index of CHU students, students of this department must complete and pass the English language test and the Chinese language test in accordance with the "Regulations for the Implementation of the English Language Test for CHU Students" within the period of study to be eligible for graduation.							
9.In order to achieve the "Health and Fitness Ability" in the Basic Competency Index of CHU students, students must complete the required credits and pass the swimming ability tests in accordance with the "Regulations for Physical Education Courses at CHU" within the period of study to be eligible for graduation.							
10.In order to achieve the "Innovation and Creativity Ability" requirement of the Chung Hua University Basic Competency Indicators, students of this department must, within their study period, comply with the "Implementation Guidelines for Innovation and Creativity Courses of Chung Hua University." Students are required to take innovation and creativity courses and submit at least one project to participate in the university's innovation and creativity competition to meet the graduation threshold for this competency.							
◎First-year and second-year students are required to take the "Creative Thinking and Innovation Management", while third-year and fourth-year students must complete "Special Topics (I)" and "Special Topics (II)."							
11.In order to achieve the AI Competency" requirement of the Chung Hua University Basic Competency Indicators, students of this department must, within their study period, comply with the "Implementation Guidelines for the AI Competency Assessment of Chung Hua University" and pass the AI competency assessment to meet graduation requirements.							
12.The elective courses are adjusted based on actual course availability.							
12.The above course information is subject to the courses offered during the respective semester.							