

Curriculums of BS Program at the Department of Information Management, Chang Gung University
(Applicable to Newly-Admitted Students for the 2024 Academic Year)

	Course Title	1st year		Course Title	2nd year			Course Title	3rd year			Course Title	4th year	
		Autumn	Spring		Autumn	Spring	Summer		Autumn	Spring	Summer		Autumn	Spring
College (R: Required) (E: Elective)	AI Language and the Industrial Applications (R)	3		Economics (I) (R)		3								
	Statistics (I) (R)	3												
	Accounting (I) (R)		3											
	Practical English (2) : Reading & Writing (E)		2											
	Practical English (2) : Listening & Speaking (E)		2											
Required (Department)	Calculus	3		Management	3			Systems Analysis and Design	3			Senior Project (II)	3	
	Introduction to Computer Science	3		Communication and Presentation Skills	2			Management Information Systems	3					
	Computer Programming (I)	4		Data Structures	3			Information Ethics and Cyber Law		3				
	Computer Programming (II)		4	Computer Networks		3		Senior Project (I)			3			
	Statistics (II)		3	Database Management		3								
				Web Applications Development (I)		3								
Elective of department														
Elective in Industrial Practice				Information Management Project (I)		1		Internship	3			Internship		6
								Information Management Project (II)	1			FPG Internship		9
Elective in Information Management	Introduction to Information Management		3	Marketing Management		3		Human Resource Management	3			Project Management	3	
				Production and Operations Management		3		Logistics and Supply Chain Management	3			Service Science and Management		3
								Management Science		3		Digital Transformation: A Global Perspective		2
								Financial Management		3		Lean Supply Chain Management		3
								Platform Strategy		3		Knowledge Management		3
Elective in Information Technology								Internet Marketing	3			Program Trading	3	
								Electronic Commerce		3		CRM and BI	3	
												Big Data Application and Electronic Commerce	3	
												Enterprise Resource Planning	3	
												Digital Marketing		2
Elective in Information Technology	Practice in Information Technology	3		C Language Programming	3			Windows Programming	3			Healthcare Information Exchange Practice	0.5	
	Information Technology Terminology		3	Mobile Device Application Programming		3		Web Applications Development (II)	3			System Analysis on Healthcare Information Systems	0.5	
				Practical Network System Management		3		Operating System		3		Information Systems Practice in Bank Finance	0.5	
				Introduction to Internet of Things		3		Enterprise Website Development		3		System Analysis on Bank Finance Information Systems	0.5	
Elective in ICT Security				Introduction to Information Security	3			Network Security	3			Digital Forensics	3	
				Information System Auditing and Management		3		Network Attack and Defense Techniques and Applications		3				
				Practice and Application of Blockchain		3		Medical Information System Security		3				
Elective in Data Intelligence				Applied Statistics	3			Big Data Analytical Methods	3			Big Data Processing and Analytical Techniques	3	
				Data Visualization	3			Database Programming	3					
				Cloud-Based Machine Learning		2		Non-Relational Database		3				
				Data Capture and Applications		2		Web Mining and Text Mining		3				
				Interaction Design of Intelligent Machines		3		Understanding Data Management Tools With Cases			2			
				Case Study of Data Analytics Programs		3		Capstone Project for Intelligent Innovations			3			
				Data Processing Essentials		2								
				IT User Survey Methods		2								

1. Graduation credits: 128 credits.
(1) College of Management common required courses: 12 credits.
(2) Department required courses: 49 credits.
(3) Department elective courses: 39 credits
A. At least 27 credits must be from department electives. Elective courses offered by the Graduate Institute of Information Management can be counted towards department elective credits.
B. Up to 12 credits from other departments' courses can be recognized.
(General education courses, Physical education, and National defense education military training elective courses are not included)
(4) General education credits: Please refer to the Center for General Education's course requirements. English domain, core, and diverse courses total 29 credits.
The College of Management's common required course "AI Language and Industry Applications" is counted as 1 credit for the diverse computing thinking domain
"Introduction to Artificial Intelligence." The remaining total becomes 28 credits.

2. Physical Education for freshman and sophomore years: Required 0 credit

3. Shen Geng Program (or Deep Cultivation Program): Required 0 credit. Please refer to the Office of Student Affairs' Deep Cultivation Program section for details.

4. The university has set an English graduation threshold. Students must meet the university's standard to graduate. Please refer to the Language Center's regulations for details.

5. Prerequisite Courses :
(1) Computer Programming (II): Prerequisite is Computer Programming (I)
(2) Statistics (II): Prerequisite is Statistics (I)
(3) Web Applications Development (II): Prerequisite is Web Applications Development (I)
(4) Database Programming: Prerequisite is Database Management

6. Other Requirements:
(1) For department-required courses, first-time enrollees cannot take substitute courses from other departments.
(2) Practical Project courses cannot be taken in the same semester as the Senior Project.
Enterprise internships are limited to senior students and cannot be taken in the same semester as the Formosa Plastics Group internship.
(3) International students may take English-taught courses from other departments, without the aforementioned 12-credit limit, but must submit an application in advance for approval by the departmental affairs committee.