Curriculums of BS Program at the Department of Information Management, Chang Gung University

	Course Title	1st	year	Course Title	2nd year		Course Title		3rd year	•	Course Title	4th year	
	Course Title	Autumn	Spring		Autumn	Spring	Summer	Autumn	Spring	Summer		Autumn	Sprin
	AI Language and the Industrial Applications (R)	3		Economics (I) (R)		3	Platform Strategy (E)		3				
College (R: Required) (E: Elective)	Statistics (I) (R)	3											
		3											
	Practical English (1): Reading & Writing (E)		2	Practical English (2): Reading & Writing (E)	2								
	Practical English (1): Listening & Speaking (E)		2	Practical English (2): Listening & Speaking (E)	2								
Required (Department)	Calculus		3	Introduction of Business	3		Systems Analysis and Design	3			Senior Project (II)	3	
	Introduction to Computer Science	3		Business Communication	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				Information Management Project (I)		1	Intership	3			Internship		6
Industrial Practice							Information Management Project (II)	1			FPG Internship		9
	Introduction to Information Management		3	Marketing Management		3	Human Resource Management	3			Project Management	3	
Elective in				Production and Operations Management		3	Logistics and Supply Chain Management	3			Service Science and Management		3
Information							Management Science		3		Digital Transformation: A Global Perspective		1
Management							Financial Management		3		Lean Supply Chain Management		3
							Platform Strategy		3		Knowledge Management		3
							Internet Marketing	3			Program Trading	3	
Elective in							Electronic Commerce		3		CRM and BI	3	
Information Technology											Big Data Application and Electronic Commerce	3	
											Enterprise Resource Planning	3	
											Digital Marketing		2
	Practice in Information Technology	3		C Language Programming	3		Web Applications Development (II)	3			Healthcare Information Exchange Practice	0.5	
Elective in	Information Technology Terminology		3	Mobile Device Application Programming		3	Operating System		3		System Analysis on Healthcare Information Systems	0.5	
Information Technology				Practical Network System Management		3	Enterprise Website Development		3		Information Systems Practice in Bank Finance	0.5	
				Introduction to Internet of Things		3					System Analysis on Bank Finance Information Systems	0.5	
				Introduction to Information Security	3		Network Security	3			Digital Forensics	3	
Elective in ICT Security Elective in Data Intelligence				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				
				Applied Statistics	3		Big Data Analytical Methods	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) College of Management common required courses: 12 credits.
- (2) Department required courses: 49 credits.
- (3) Department elective courses: 43 credits
- A. At least 31 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 25 credits.

 The College of Management's common required course "AL Language and Industry Applications" is counted as 1 credit for the diverse computing thinking domain "Introduction to Artificial Indigence." The remaining total becomes 24 credits.
- . Physical Education for freshman and sophomore years: Required 0 credit

3.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

4. 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.