

**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	
		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		Platform Strategy (E)		3				
	Statistics (I) (R)	3												
	Accounting (I) (R)		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									
				Green Economics		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							
<b>Elective of department</b>														
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			Management Science		3
								Management Science		3		Service Science and Management		3
								Financial Management			3	Digital Transformation: A Global Perspective		1
												Lean Supply Chain 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			Web Applications Development (II)	3			Healthcare Information Exchange Practice		0.5
				Practical Network System Management		3		Operating System		3		System Analysis on Healthcare Information Systems		0.5
	Information Technology Terminology		3	Mobile Device Application Programming		3		Enterprise Website Development		3		Information Systems Practice in Bank Finance		0.5
Elective in ICT Security				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
				Information System Auditing and Management		3		Network Attack and Defense Techniques and Applications		3				
Elective in Data Intelligence				Practice and Application of Blockchain		3		Medical Information System Security		3				
				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								
<p>1. Graduation credits: 128 credits.</p> <p>(1) College of Management common required courses: 12 credits.</p> <p>(2) Department required courses: 49 credits.</p> <p>(3) Department elective courses: 43 credits</p> <p>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.</p> <p>B. Up to 12 credits from other departments' courses can be recognized.</p> <p>(General education courses, Physical education, and National defense education military training elective courses are not included)</p> <p>(4) General education credits: Please refer to the Center for General Education's course requirements. English domain, core, and diverse courses total 25 credits.</p> <p>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 24 credits.</p> <p>2. Physical Education for freshman and sophomore years: Required 0 credit</p> <p>3. Prerequisite Courses :</p> <p>(1) Computer Programming (II): Prerequisite is Computer Programming (I)</p> <p>(2) Statistics (II): Prerequisite is Statistics (I)</p> <p>(3) Web Applications Development (II): Prerequisite is Web Applications Development (I)</p> <p>(4) Database Programming: Prerequisite is Database Management</p> <p>4. Other Requirements:</p> <p>(1) For department-required courses, first-time enrollees cannot take substitute courses from other departments.</p> <p>(2) Practical Project courses cannot be taken in the same semester as the Senior Project.</p> <p>Enterprise internships are limited to senior students and cannot be taken in the same semester as the Formosa Plastics Group internship.</p> <p>(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.</p>														