

# Chang Gung University, Department of Information Management Course Map

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