

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 | | | | | | | |
| 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 |
| | | | | | | | | Logistics and Supply Chain Management | 3 | | | Management Science | | 3 |
| | | | | Production and Operations Management | | 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 | | |
| | 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> | | | | | | | | | | | | | | |