

長庚大學 工商管理學系 大學部(BS)必修科目表 (111學年度入學生適用)

Curriculums of BS Program at the Department of Industrial and Business Management at Chang Gung University (Applicable to Newly-Admitted Students for the 2022 Academic Year)

必修 Required / Elective		科目名稱 Course Title	大一 (Year 1)		科目名稱 Course Title	大二 (Year 2)			科目名稱 Course Title	大三 (Year 3)			科目名稱 Course Title	大四 (Year 4)	
			上 Fall	下 Spring		上 Fall	下 Spring	暑 Summer		上 Fall	下 Spring	暑 Summer		上 Fall	下 Spring
管院AI應用基礎 Fundamentals of AI Application in School of Management	必修 Required	人工智慧的產業應用 Industrial Applications of Artificial Intelligence	1												
	選修 Elective	運算思維 Computational Thinking	1												
必修課程 Required Courses					*Python程式語言[註1] Python Programming Language [Remarks 1]		2						機器學習概念 Machine Learning Concept		2
		微積分 Calculus	3		統計學(I) Statistics I	3			人力資源管理 Human Resource Management	2			企業實習[註9] Internship [Remark 9]	5	
		經濟學(I) Economics I	3		財務管理 Financial Management	2			職場倫理與溝通 Workplace Ethics and Communication		2				
		會計學(I) Accounting I	3		行銷管理 Marketing Management	2			管理專題研討[註9] Seminar on Business Administration [Remark 9]		2				
		數位商業模式概論 Introduction to Digital Business Model	2		最佳化與模擬模式 Optimization and Simulation Modeling	3									
		Python程式語言 Python Programming Language	2		社會關懷實作[註8] Community Services [Remark 8]	0									
		管理數學 Managerial Mathematics		3	統計學(2) Statistics II		3								
		經濟學(2) Economics II		3	資訊管理 Information Management		2								
		會計學(2) Accounting II		3	生產與作業管理 Production and Operations Management		2								
		社會關懷實作[註8] Community Services [Remark 8]		0											
選修課程 (部份課程隔年開設) Elective Courses (Some courses offered every other year)	數智商務 專業領域選修 Digital and Intelligent Business Field	資料視覺化與溝通 Data Visualization and Communication		3	數位金融科技 Digital Financial Technology	3			大數據行銷應用 Big Data Marketing	3			商業智慧與顧客關係管理 Business Intelligence and Customer Relationship Management	3	
					資料庫結構與演算 Data Structure and Algorithms	3			資料庫程式規劃 Database Programming Language	3			創新與創業實務講座 Innovation and Entrepreneurship in Practice[註9]		2
					數位行銷分析與優化Digital Marketing Analytics and Optimization		3		組織行為 Organizational Behavior	3			策略管理 [註9] Strategic Management		3
					資料庫管理 Database Management		3		投資學 Investment Planning and Analysis	3					
									平台策略 The Strategy of Platforms		3				
									管理會計 Managerial Accounting		3				
									人力資源與數據分析 Human Resource Data Analytics		2				
									財務營運分析 Financial Analysis for Business Operation		3				
	工業管理 專業領域選修 Industrial Management Field				工業工程與管理概論 Introduction to Industrial Engineering and Management	3			決策分析 Decision Analysis	3			專案管理# Project Management #	3	
					資料庫結構與演算 Data Structure and Algorithms	3			供應鏈管理 Supply Chain Management	3					
					作業研究 Operations Research		3		資料庫程式規劃 Database programming language	3					
					工程經濟 Engineering Economy		3		組織行為 Organizational Behavior	3					
					資料庫管理 Database Management		3		智慧工廠 Smart Factory		3				
					資料科學 Data Science		3		管理會計 Managerial Accounting		3				
									品質管理 Quality Management		3				
									服務業管理 Service Management		3				
	共同選修 Common Elective Courses												管理實作 [註1] Management Practicum [Remark 1]	4	
													專案改善 [註1] Project Improvement [Remark 1]	4	
													專題研究 [註1] Independent Study [Remark 1]	4	
備註 Remarks	1.畢業學分：128學分。 (1)必修52學分(含系必修50學分；管院AI應用基礎必修2學分)。 (2)選修48學分： ①系選修至少24學分；四上選修課『管理實作』、『專案改善』、『專題研究』為三選一必修課程4學分，限本系(大學部)開設的課程才可認列。 ②選修他系課程至多承認24學分(通識課程、體育及全民國防教育軍事訓練選修課程不予列入)。 (3)通識學分：請詳見通識中心修課規定。 ①AI領域課程1學分(以管院AI應用必修基礎抵免)。 ②英文領域、核心、多元課程28學分。 Graduation requirements: 128 credits (1) 50 credits of core courses (including 5 credits for off-campus internships). (2) 2 credits of AI application from the School of Management required. (3) 48 credits of elective courses: ①Students are required to take at least 24 credits (inclusive) of electives in their main area of study. ②At most 24 credits of elective courses are admitted from other Departments (general education courses, physical education, and military training elective courses for national defense education are not included). (4) Liberal Studies Credits: Please refer to the General Studies Center Course Regulations for details. ① 1 credit of AI field course (deducted by the compulsory AI application from the School of Management). ②28 credits for English field, core and multiple courses.														
	2.體育大一、大二必修0學分 Physical Education, First- and Second-year required courses (0 credits) 3.【深耕學園】必修0學分，請詳見學務處深耕學園專區說明。 [Sprout School] No credits required, Please refer to the Academic Affairs Office for details of the course. 4.本校訂有英文專業門檻，須達校訂標準方可畢業，請詳見語文中心規定。 This University has an English standard requirement, which must be met in order to graduate.														
	5.本系必修科目不得至外系修讀，管院他系相同課程名稱之英語授課除外，另經濟學(2)、會計學(2)、統計學(2)，可至管院各系修讀。惟修課不及格者且有特殊情況(如影響畢業年限)需向系上申請，經同意後得重修外系開設之相關課程。 The required courses for this Department are not allowed to be taken in other Departments, except for English-taught courses with the same title. The following courses "Accounting (II), Economics (II), Statistics (II)" can be taken in other departments of the School of Management. For those who failed a course and have special circumstances (such as affecting the graduation period) need to apply to the Department. After approval, they can retake relevant courses offered outside the Department.														
	6.各領域選修若達24學分(含)以上，畢業時可向系上申請「數智商務領域」或「工業管理領域」修畢證書。 If electives in the fields amount to 24 credits (inclusive) or more, a certificate in the field of "Digital and Intelligent Business" or "Industrial Management" will be awarded upon graduation.														
	7.系上課程[擋修]之規定(先修課程必須修讀且及格才能修讀後修課程)。 Course Prerequisites: -經濟學(1)→經濟學(2) Economics I → Economics II -會計學(1)→會計學(2)→財務管理 Accounting I → Accounting II → Financial Management -統計學(1)→統計學(2) Statistics I → Statistics II -微積分→管理數學 Calculus → Managerial Mathematics -管理專題研討→企業實習 Seminar on Business Administration → Internship														
	8.「社會關懷實作」於一下、二上皆有開課，一下為單選班，二上為雙選班。 Community Services are scheduled in both the Spring semester of the first year (Session I) and the Fall semester of the second year (Session II). Students with odd ID numbers attend Session I, and students with even ID numbers attend Session II. 9.「企業實習」課程排在三下四上暑假進行2個月，不修「企業實習」課程者，需修「創新創業實務講座」2學分及「策略管理」3學分為替代科目。 The internship is held in the summer after Junior year and will last for 2 months. Those who do not take the "Internship" course need to take 2 credits of "Innovation and Entrepreneurship in Practice" and 3 credits of "Strategic Management" as alternative courses.														
	10.課程標示#為與碩士班合開課程。 Courses marked with # are joint courses, offered to both undergraduate and graduate students.														