

Curriculum - BA Program, 110 Academic Year

學士班課程規劃表

College : Management Department : Department of Statistics and Information Science Section:

管理學院 統計資訊學系

Category 類別	Module 模組	Course Title 課程名稱		Course code 科目代碼	R/E 選別	Credit s 學分	Freshmen 一年級		Sophomore 二年級		Junior 三年級		Senior 四年級		minimum credits for this category 類別最低	minimum credits for this module 模組最低	Remarks 備註
							First 上	Second 下	First 上	Second 下	First 上	Second 下	First 上	Second 下			
University Required 校訂必修		導師時間	Time for Advisor	02795	R 必	0	0	0	0	0	0	0	0	0	0		
Holistic Education Program of Study 全人教育課程	core courses 核心課程	大學入門	Intro. to U.Studies	00015	R 必	2	2							32	8		
		人生哲學	Philosophy of Life	00007	R 必	4			2	2							
		專業倫理-企業倫理	Professional Ethics-Business Ethics	08824	R 必	2					2						
		體育	Physical Education	00009	R 必	0	0	0	0	0							
	Fundamen- tal Skills Courses 基本能力課程	國文	Chinese	00001	R 必	4	2	2							12		
		外國語文	Foreign Language		R 必	8	2	2	2	2							
		資訊能力素養	Information Literacy		R 必	0											
	General Education Courses 通識涵養課程	人文藝術	Humanities & Arts		G 通	4									12		
		自然科技	Nature & Technology		G 通	4											
		社會科學	Social Sciences		G 通	4											
Department Required courses 必修科目		統計學	Statistics	02222	R 必	6	3	3						42	42		
		微積分	Calculus	02390	R 必	6	3	3									
		經濟學	Economics	02457	R 必	6	3	3									
		會計學	Accounting	02412	R 必	6			3	3							
		企業管理概論	Business Administration	05201	R 必	3		3									
		程式設計概論	Introduction to Programming	24495	R 必	3	3										
		數理統計	Mathematical Statistics	02743	R 必	6	3	3									
		線性代數	Linear Algebra	02766	R 必	4	2	2									
		程式設計	Programming Techniques	03056	R 必	3			3								
		進階程式設計	Advanced Programming Techniques	14761	R 必	3				3							
		統計軟體應用	Application of Statistics Package	10931	R 必	2			2								
		迴歸分析	Regression Analysis	01987	R 必	3					3						
		實驗設計與分析	Design of Experiment and Analysis	11218	R 必	3					3						
		抽樣調查	Sampling Survey	01634	R 必	3					3						
		資料庫管理	Database Administration	02490	R 必	3						3					
		資料採礦	Data Mining	11502	R 必	3						3					
		專題研究（一）	Independent Study I	07344	R 必	3						3					
		專題研究（二）	Independent Study II	07699	R 必	3							3				
Holistic Education Program of Study (A) 全人教育課程學分數	32		Department Required courses (B)	Required 必修	72	72		Electi on (C) 選修學分數	Advanced Eleciton in department 專業選修	10	24		Credits for Graduation A+B+C 畢業學分數	128			
			院系必修必選學分數	Advanced Election 必選	0				Other Election 其他選修	14							

The English Proficiency Requirement for Graduation for each undergraduate student of the College is the exam score report of B2 level of CEF (Common European Framework) (equivalent to TOEIC score of 750+, IELTS score of 6.0+, TOEFL CBT score of 197+, TOEFL iBT score of 71+, or GEPT High-Intermediate or better) obtained prior to the 2nd semester in the 3rd year of their study in Fu Jen.

Students who do not meet the standard prior to the 2nd semester in their 3rd year are required to (1) participate in the Autonomous English Learning Project and take at least 4 tests each semester in their 4th year. Students who achieve the average score of 80+ in the 1st semester tests or have accumulated 4 times test scores of 80+ during the 2 semesters can waive the remaining tests. Students who have completed the Project required tests are eligible for graduation. Or they can (2) take any English proficiency examinations again and achieve the B2 level of CEF to meet the English proficiency requirement for graduation.

須於畢業前至少參加一次英文檢定考試，且成績應達CEFR之B2高階級（各項英語能力檢測成績與CEFR之B2高階級的成績對應另行公告）；大三上學期結束前未達前述標準者，須於大四參加管理學院舉辦之8次英語自學方案測驗（上學期4次、下學期4次，如上學期或下學期4次測驗成績平均高於80分者，則免參加次一學期之測驗；如累計4次80分者，亦可免參加其餘測驗）或再次參加英文檢定考試，且成績達CEFR之B2高階級始有畢業資格。

Each undergraduate student of the College should take at least 1 professional course(3 credit) taught in English prior to graduation (English training courses are excluded, e.g. Foreign Language, English Conversation, English Conversation and Writing, and Freshman English Conversation) to meet graduation requirement.

於畢業前需至少修畢3學分本院開設之「以英語授課的專業課程」，始有畢業資格。

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Elective Courses 選修課程		Course Title 課程名稱		Course code 科目代碼	R/E 選別	Credits 學分	Freshmen 一年級		Sophomore 二年級		Junior 三年級		Senior 四年級		category 類別最低 應修	module 模組最低 應修	Remarks 備註
		英語會話	English Conversation	01846	E 選	2	2										
		複利數學	The Theory of Interest	04791	E 選	3			3								
		行銷管理	Marketing Management	01483	E 選	3			3								
		市場調查	Marketing Research Methods	01314	E 選	2				2							
		貨幣銀行學	Money and Banking	02249	E 選	3				3							
		生物統計	Biostatistics	05352	E 選	3					3						
		進階生物統計	Advanced Courses in Biostatistics	17028	E 選	3					3						
		統計推論	Inference Statistics	06424	E 選	3					3						
		電子商務	Electronic Commerce	09514	E 選	3					3						
		資料結構	Data Structures	02492	E 選	3					3						
		統計應用系統開發	Applied Statistical System Development	19185	E 選	3					3						
		資料庫系統實務	Database Practice	11099	E 選	3					3						
		財務管理	Financial Management	01983	E 選	3					3						
		多變量分析	Multivariate Statistical Analysis	01445	E 選	3					3						
		資料探索及資訊視覺化	Data Exploration and Information Visualization	24327	E 選	3					3						
		離散資料分析	Discrete Data Analysis	09887	E 選	3					3						
		醫學統計	Medical Statistics	05358	E 選	3					3						
		醫療大數據	Big Data Analytics in healthcare	35765	E 選	3					3						
		品質管制	Quality Control	01771	E 選	3					3						
		時間序列分析	Time Series Analysis	01943	E 選	3					3						
		大數據產學實作證照	Big Data Industry and Education Practical Certification	34517	E 選	1					1						
		大數據產學實作專題	Big Data Industry and Education Project Implementation	34518	E 選	3					2						
		智慧決策分析系統實作	Intelligent Decision Analysis System Implementation	33288	E 選	3					3						
		組織領導與社會創新實務	Organizational Leadership and Social Innovation Practices	19663	E 選	2					2						
		組織學習與社會探究	Organizational Learning and Social Inquiry	19664	E 選	2					2						
		專業實習	Internship	02144	E 選	3								3			
		英語聽講與寫作	English Conversation and Writing	17729	E 選	2								2			