

中華大學加州大學爾灣分校資訊管理與資料科學學士學位學程 113學年度四年課程規劃一覽表

113.01.08 112學年度第2學期加州爾灣學程第2次課程委員會議通過

113.04.01 【112學年度第2學期第1次管理學院課程規劃委員會議通過】

113.04.10 【112學年度第2次校級課程規劃委員會議提案】

校共同必修科目：28 學分												加州大學爾灣分校											
一年級				二年級				三年級				四年級											
上學期		學分		下學期		學分		上學期		學分		下學期		學分		上學期		學分		下學期		學分	
體育(一)	0	體育(二)	0	英文(三)	1	英文(四)	1	通識	2	通識	2												
英文(一)	2	英文(二)	2	通識	2	通識	2	通識	2	通識	2												
通識	2	通識	2	通識	2	通識	2																
通識	2	通識	2																				
6		6		5		5		4		2													
院特色核心必修科目：30																							
一年級				二年級				三年級				四年級											
上學期		學分		下學期		學分		上學期		學分		下學期		學分		上學期		學分		下學期		學分	
職涯規劃	3	管理學	3	統計學(一)	3	創意思考與創新管理	3	企業資源規劃系統與實務	3														
會計學(一)	3	經濟學(一)	3	大數據分析與商業智慧(PBI/VBA)	3																		
商管軟體應用	3			python	3																		
9		6		9		3		3		0													
學程專業必修科目：24 學分																							
一年級				二年級				三年級				四年級											
上學期		學分		下學期		學分		上學期		學分		下學期		學分		上學期		學分		下學期		學分	
程式設計(一)	3	程式設計(二)	3	JAVA程式設計	3	統計學(二)	3	資料科學	3														
微積分(一)	3	微積分(二)	3	線性代數	3																		
6		6		6		3		3		0													
學程選修科目：34學分【包含外系至少9學分】																							
商用英文口語訓練	3	雅思英語進階字彙與文法	3	英文寫作與溝通實務	3	商用英文溝通技巧與表達	3	商用英文簡報寫作與練習	3	資訊科技英文導讀	3	Computer and Network Security	3	Accelerated Data Analytics for Business Certificate Courses	3	Introduction to Data Management	3	Intro to Python Programming	3				
電腦科技概論	3	離散數學	3	高等微積分(一)	3	高等微積分(二)	3	資料科學(與UCI合開)	3	神經網路和深度學習	3	Introduction Visualization	3	Practical Math & Statistics for Data Science Python	3	Neural Networks and Deep Learning	3	Professional Communication: Resume & Interview Skills Course	3				
		機率概論	3	工程統計	3			科學與數值計算	3	數據科學統計	3	A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Analytical Writing and Verbal Reasoning (GRE)	3	Application and Career Planning	3	數據分析與電腦應用	3	大數據分析與視覺化	3				
								演算法	3			Internship Practicum course	3	Academic English Reading & Writing	3								
													Scientific Writing	3									
畢業總學分數 = 128學分【校共同必修學分+院特色核心必修學分+學程必修學分+學程選修學分(包含外系選修9學分)+加州爾灣大學12學分】																							

附註：  
 (一)有關「非學分相關畢業必要條件」，依校內規定辦理。  
 (二)以上課程資料，以當學期開課為準。

University of California, Irvine Five-Year Dual Degree Program in Information Management and Data Science 113 Four-year Program in Curriculum

Passed during excutive committee meeting January 08,2024  
 Approved at the 1st College Curriculum Meeting of academic year 112 1st semester, on April 01, 2024  
 Approved by the 2th University Curriculum Committee on April 10, 2024

Common Required Courses : 28 Credits												University of California, Irvine			
Freshman				Sophomore				Junior				Senior			
Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)
Physical Education (I)	0	Physical Education(II)	0	English(III)	1	English(IV)	1	General Education	2	General Education	2				
English ( I )	2	English(II)	2	General Education	2	General Education	2	General Education	2						
General Education	2	General Education	2	General Education	2	General Education	2								
General Education	2	General Education	2												
6		6		5		5		4		2					
Required Courses of College of Management : 30 Credits															
Freshman				Sophomore				Junior				Senior			
Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)
Business Ethics(I)	3	The Introduction to Management	3	Statistics ( I )	3	Creative Thinking and Innovation Management	3	Enterprise Resource Planning Systems and Practice	3						
Career Planning	3	Economics ( I )	3	Big Data Analytics and Business Intelligence (PBI/VBA)	3										
Introduction to Business Software	3			Python Programming	3										
9		6		9		3		3							
Professional Required Courses of Department: 24 Credits															
Freshman				Sophomore				Junior				Senior			
Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)	Spring Semester	Credit(s)
Programming Design (I)	3	Programming Design (II)	3	JAVA Programming	3	Statistics ( II )	3	Data Science	3						
Calculus ( I )	3	Calculus ( II )	3	Linear Algebra	3										
6		6		6		3		3		3					
Elective Courses : 34 Credits [ Elective Courses of the Other Programs : 9 Credits ]															
Business English Oral Training	3	IELTS English Advanced Vocabulary and Grammar	3	English Writing Communication and Practice	3	Business English Communication Skills	3	English Business Presentation Skills	3	Information Technology English Introduction	3	Computer and Network Security 電腦與網路安全	3	Accelerated Data Analytics for Business Certificate Courses	3
												Introduction to Data Management 資料管理概論	3	Intro to Python Programming Python 程式設計概論	3
Introduction to Computer Technology	3	Discrete Mathematics	3	Advanced Calculus ( I )	3	Advanced Calculus ( II )	3	Data Science	3	Neural Networks and Deep Learning	3	Introduction Visualization 視覺化概論	3	Practical Math & Statistics for Data Science Python 實用數學與統計 Python數據科學	3
		Introduction to probability	3	Engineering Statistics	3			Science and Numerical Computing	3	Data science statistics	3	Neural Networks and Deep Learning 神經網路和深度學習	3	Professional Communication: Resume & Interview Skills Course	3
								Data analysis and computer applications	3	Big data analysis and visualization	3	A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Major Courses	3	Application and Career Planning 職涯規劃	3
								Algorithm	3			Analytical Writing and Verbal Reasoning (GRE) GRE分析寫作與語言推理 (GRE) GRE	3	Academic English Reading & Writing 學術英語閱讀與寫作	3
												Internship Practicum course 實習課程	3	Scientific Writing 科學寫作	3

**Total Credits for Graduation: 128**

**Including:**

1. Credits of School Common Compulsory (Mandatory) Courses: 28 (Including 22 Credits of Diversified General Education Courses);
2. Credits of College Core Mandatory Courses: 30
3. Credits of Program Mandatory Courses: 24
4. Credits of Department Elective Courses : >= 25
5. Credits of Elective Courses of Foreign Departments: 9
6. 12 Credits of Courses of University of California, Irvine

**Note :**

I.Students of management college must pass one of the following 3 Information Application Ability Tests:

- (i) TOC Excel - Practical Level
- (ii) MOS Excel - Standard Level, or,
- (iii) Information Application Ability Test conducted by our school.

II.The "non-credit-related requirements for graduation" shall be handled in accordance with the school's regulations.

III.The above (listed) course information is subjected to the courses offered in the current semester.