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會議通過】

114.05.09 【113學年度第2學期加州爾灣學程第2次課程委員會議通過】

114.05.26【113學年度第2學期管理學院第2次課程規劃委員會議通過】

114.06.11【113學年度第2次臨時校級課程規劃委員會會議通過】

校共同必修科目												114.06.11【1134			燕 囲廻 』
	: 28	學分										加州	大學	爾灣分校	
		年級								∓級			四年		
上學期	學分		學分	上學期	學分	1 3 743	學分		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												
6		6		5		5		4		2				<u> </u>	
院特色核心必修	科目:	: 27 學分													
	_	年級			_í				Ξ:	∓級			四年	· W	
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	上學期	學分	下學期	學分
會計學 (一)	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				
商管軟體應用	3	經濟學(一)	3	大數據分析與商業智慧	3										
10 E 4// ME / (U/ 1)		` ′	_	(PBI/VBA)											
		python程式設計	3			2	<u> </u>			2					<u> </u>
6		9		6		3				3					
院特色核心必選															
		年級				王級							四年		
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	上學期	學分	下學期	學分
職涯規劃	3														
3															
學程專業必修科	目:1	2 學分													
	_	年級			í	 手級			Ξ:				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	上學期	學分	下學期	學分
程式設計(一)	3	程式設計(二)	3												
微積分(一)	3	微積分(二)	3												
6		•							•						
		6													
學程選修科目:	46學分		9學分]											
學程選修科目:4	46學分	分【包含外系至少	9學分]		******								Accelerated Data Analytics	
學程選修科目: 4 商用英文口語訓練	46學 。 3	分【包含外系至少 雅思英語進階字彙與		英文寫作與溝通實務	3	商用英文溝通技巧	3	商用英文簡報實	3	資訊科技英文導讀	3	Computer and Network Security	3	Accelerated Data Analytics for Business Certificate	3
		分【包含外系至少		_	3	商用英文溝通技巧與表達	3	商用英文簡報實 作與練習	3	資訊科技英文導讀	3	Computer and Network Security 電腦與網路安全	3	for Business Certificate Courses	3
商用英文口語訓練	3	分【包含外系至少 雅思英語進階字彙與 文法	3	英文寫作與溝通實務		與表達	J	作與練習				電腦與網路安全	3	for Business Certificate Courses Intro to Python	
		分【包含外系至少 雅思英語進階字彙與	3	_	3		J			資訊科技英文導讀神經網路和深度學習	3	電腦與網路安全 Introduction to Data	3	for Business Certificate Courses Intro to Python ProgrammingPython	3
商用英文口語訓練	3	分【包含外系至少 雅思英語進階字彙與 文法	3	英文寫作與溝通實務		與表達		作與練習				電腦與網路安全	3	for Business Certificate Courses Intro to Python	
商用英文口語訓練	3	分【包含外系至少 雅思英語進階字彙與 文法	3	英文寫作與溝通實務		與表達		作與練習				電腦與網路安全 Introduction to Data	3	for Business Certificate Courses Intro to Python ProgrammingPython	
商用英文口語訓練電腦科技概論	3	分【包含外系至少性 雅思英語進階字彙與 文法 離散數學	3	英文寫作與溝通實務 微積分(三)	3	與表達 高等微積分	3	作與練習資料科學(二)	3	神經網路和深度學習	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python	3
商用英文口語訓練	3	分【包含外系至少 雅思英語進階字彙與 文法	3	英文寫作與溝通實務	3	與表達	3	作與練習	3			電腦與網路安全 Introduction to Data Management 資料管理概論	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics	3
商用英文口語訓練電腦科技概論	3	分【包含外系至少性 雅思英語進階字彙與 文法 離散數學	3	英文寫作與溝通實務 微積分(三)	3	與表達 高等微積分	3	作與練習資料科學(二)	3	神經網路和深度學習	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python	3
商用英文口語訓練電腦科技概論	3	分【包含外系至少性 雅思英語進階字彙與 文法 離散數學	3	英文寫作與溝通實務 微積分(三)	3	與表達 高等微積分	3	作與練習資料科學(二)	3	神經網路和深度學習	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學	3
商用英文口語訓練電腦科技概論	3	分【包含外系至少性 雅思英語進階字彙與 文法 離散數學	3 3 3	英文寫作與溝通實務 微積分(三)	3	與表達 高等微積分	3	作與練習資料科學(二)	3	神經網路和深度學習	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數	3
商用英文口語訓練 電腦科技概論 工程統計	3 3	分【包含外系至少性 雅思英語進階字彙與 文法 離散數學 機率概論	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數	3	與表達高等微積分統計學(二)	3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication:	3
商用英文口語訓練 電腦科技概論 工程統計 演算法	3 3	分【包含外系至少 雅思英語進階字彙與 文法 離散數學 機率概論 微積分(二)	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數	3	與表達高等微積分統計學(二)	3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course	3
商用英文口語訓練 電腦科技概論 工程統計 演算法 雅思留學考試聽力	3 3	分【包含外系至少性	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數 JAVA程式設計	3 3	與表達 高等微積分 統計學(二) 資料科學(一)	3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certificate Courses OR	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course Application and Career	3 : 3
商用英文口語訓練 電腦科技概論 工程統計 演算法	3 3 3	分【包含外系至少 雅思英語進階字彙與 文法 離散數學 機率概論 微積分(二)	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數	3 3	與表達高等微積分統計學(二)	3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certicate Courses OR UCI Undergraduate Major	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course	3 : 3
商用英文口語訓練 電腦科技概論 工程統計 演算法 雅思留學考試聽力	3 3 3	分【包含外系至少性	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數 JAVA程式設計	3 3	與表達 高等微積分 統計學(二) 資料科學(一)	3 3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Major Courses	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 質用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course Application and Career Planning 職涯規劃	3 3 3
商用英文口語訓練 電腦科技概論 工程統計 演算法 雅思留學考試聽力	3 3 3	分【包含外系至少性	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數 JAVA程式設計	3 3	與表達 高等微積分 統計學(二) 資料科學(一)	3 3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Major Courses Courses Analytical Writing and Verbal	3 3 3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course Application and Career Planning 職涯規劃 Academic English Reading &	3 3 3
商用英文口語訓練 電腦科技概論 工程統計 演算法 雅思留學考試聽力	3 3 3	分【包含外系至少性	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數 JAVA程式設計	3 3	與表達 高等微積分 統計學(二) 資料科學(一)	3 3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Major Courses Analytical Writing and Verbal Reasoning (GRE) GRE分析寫	3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course Application and Career Planning 職運規劃 Academic English Reading & Writing	3 3 3
商用英文口語訓練 電腦科技概論 工程統計 演算法 雅思留學考試聽力	3 3 3	分【包含外系至少性	3 3 3	英文寫作與溝通實務 微積分(三) 線性代數 JAVA程式設計	3 3	與表達 高等微積分 統計學(二) 資料科學(一)	3 3	作與練習 資料科學(二) 科學與數值計算	3	神經網路和深度學習 數據科學統計	3	電腦與網路安全 Introduction to Data Management 資料管理概論 Introduction Visualization 視覺 化概論 Neural Networks and Deep Learning 神經網路和深度學習 A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Major Courses Courses Analytical Writing and Verbal	3 3 3	for Business Certificate Courses Intro to Python ProgrammingPython 程式設計概論 Practical Math & Statistics for Data Science Python 實用數學與統計 Python數 據科學 Professional Communication: Resume & Interview Skills Course Application and Career Planning 職涯規劃 Academic English Reading &	3 3

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;選修課程依實際開課調整。

University of California Irvine 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 1nd College Curriculum Meeting of academic year 112 1st semester, on April 01, 2024

Approved by the 2th University Curriculum Committee on April 10, 2024

Passed during excutive committee meeting May 09,2025

Approved at the 2nd College Curriculum Meeting of academic year 113 2nd semester, on May 26, 2025

Approved at the 2nd temporary University Curriculum Meeting of academic year 113, on June 11, 2025

Compulsory Subject (Tot	tal 28 Crec	lits)										Unive	rsity of (California, Irvine	
	Fresh	man			Sopl	nomore			Ju	nior			Se	enior	
Fall Semester	Credit(s)	Spring Semester	Credit(s)	Fall Semester	Credit(s)		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					
College Core Required:	(Total 27	Credits)													
	Fresh	man			Sopl	nomore			Ju	nior			Se	enior	
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)
		The Introduction to				Creative Thinking				Enterprise Resource					
Accounting (I)	3	Management	3	Statistics(I)	3	and Innovation	3			Planning Systems	3				
_		Management				Management				and Practice					
				Big Data Analytics											
Introduction to Business	3	Economics (1)	3	and Business	3										
Software		Economics (1)		Intelligence											
				(PBI/VBA)											
		Python Programming	3												
6		9		6		3				3					
College Core Elective (To				_				•							
- 11 -	Fresh			- 11 -		nomore		- " -		nior		- " -		enior	
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)
Career Planning	3														
3															
Program Required (Total		·													
	Fresh					nomore				nior				enior	
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												
Calculus (I)	3	Calculus (II)	3												
Calculus (1)	3	Calculus (II)	3								l		l .		
Elective Courses (Total 4	Cuadita)		atad 0.C	radita Calastad forms (Othore I										
Elective Courses (Total 4	6 Credits)	137 Primary Credits Sele	ectea, 9 C		Jtners 1					7.0				1 1 1 1 1 1 1 1 1 1	
Business English Oral	3	IELTS English Advanced		English Writing		Business English		English Business		Information				Accelerated Data Analytics	
Training	3							Eligiisii busilless				Computer and Network			
o .		Vocabulary and Grammar	3	Communication and	3	Communication Skills	3	Presentation Skills	3	Technology English	3	Computer and Network Security	3	for Business Certificate	3
		Vocabulary and Grammar	3	Communication and Practice	3		3		3		3	Security	3	for Business Certificate Courses	3
Introduction to Computer	2	,		Practice		Communication Skills	J	Presentation Skills		Technology English	-			Courses Intro to Python	-
Introduction to Computer Technology	3	Vocabulary and Grammar Discrete Mathematics	3		3		3		3	Technology English Introduction	3	Security	3	Courses	3
	3	Discrete Mathematics		Practice		Communication Skills	J	Presentation Skills Data Science()	3	Technology English Introduction Neural Networks and	-	Security Introduction to Data Management		Courses Intro to Python ProgrammingPython	3
Technology	3	Discrete Mathematics Introduction to	3	Practice Calculus(III)	3	Communication Skills Advanced Calculus	J	Presentation Skills Data Science () Science and Numerical	3	Technology English Introduction Neural Networks and Deep Learning	-	Security Introduction to Data Management Introduction		Courses Intro to Python ProgrammingPython Practical Math & Statistics	3
	Ü	Discrete Mathematics		Practice		Communication Skills	3	Presentation Skills Data Science()	3	Technology English Introduction Neural Networks and	3	Security Introduction to Data Management	3	Courses Intro to Python ProgrammingPython	3
Technology	Ü	Discrete Mathematics Introduction to	3	Practice Calculus(III)	3	Communication Skills Advanced Calculus	3	Presentation Skills Data Science () Science and Numerical	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics	3	Security Introduction to Data Management Introduction Visualization	3	Courses Intro to Python ProgrammingPython Practical Math & Statistics	3
Technology	Ü	Discrete Mathematics Introduction to	3	Practice Calculus(III)	3	Communication Skills Advanced Calculus	3	Presentation Skills Data Science() Science and Numerical Computing	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and	3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python	3
Technology Engineering Statistics	3	Discrete Mathematics Introduction to Probability	3	Practice Calculus(III) Linear Algebra	3	Communication Skills Advanced Calculus Statistics(II)	3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning	3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional	3
Technology Engineering Statistics	3	Discrete Mathematics Introduction to Probability	3	Practice Calculus(III) Linear Algebra JAVA Programming	3	Communication Skills Advanced Calculus Statistics(II)	3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated	3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume	3
Technology Engineering Statistics Algorithm	3	Discrete Mathematics Introduction to Probability Calculus (II)	3 3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and	3 3	Communication Skills Advanced Calculus Statistics(II) Data Science(—)	3 3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certifcate	3 3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course	3 3
Technology Engineering Statistics	3	Discrete Mathematics Introduction to Probability	3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and Listening Practices for	3	Communication Skills Advanced Calculus Statistics(II)	3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certifcate Courses	3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course Application and Career	3
Technology Engineering Statistics Algorithm IELTS Listening and	3	Discrete Mathematics Introduction to Probability Calculus (II)	3 3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and	3 3	Communication Skills Advanced Calculus Statistics(II) Data Science(—) Reading and Writing	3 3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certifcate Courses OR UCI Undergraduate	3 3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course	3 3
Technology Engineering Statistics Algorithm IELTS Listening and	3	Discrete Mathematics Introduction to Probability Calculus (II)	3 3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and Listening Practices for	3 3	Communication Skills Advanced Calculus Statistics(II) Data Science(—) Reading and Writing	3 3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Maior Courses	3 3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course Application and Career Planning	3 3 3
Technology Engineering Statistics Algorithm IELTS Listening and	3	Discrete Mathematics Introduction to Probability Calculus (II)	3 3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and Listening Practices for	3 3	Communication Skills Advanced Calculus Statistics(II) Data Science(—) Reading and Writing	3 3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Maior Courses Maior Courses Maior Ma	3 3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course Application and Career Planning Academic English Reading	3 3 3
Technology Engineering Statistics Algorithm IELTS Listening and	3	Discrete Mathematics Introduction to Probability Calculus (II)	3 3	Practice Calculus(III) Linear Algebra JAVA Programming Speaking and Listening Practices for	3 3	Communication Skills Advanced Calculus Statistics(II) Data Science(—) Reading and Writing	3 3	Presentation Skills Data Science() Science and Numerical Computing Data Analysis and Computer	3	Technology English Introduction Neural Networks and Deep Learning Data Science Statistics Big Data Analysis and	3	Security Introduction to Data Management Introduction Visualization Neural Networks and Deep Learning A Choice of Accelerated Data Science Certificate Courses OR UCI Undergraduate Maior Courses	3 3	Courses Intro to Python ProgrammingPython Practical Math & Statistics for Data Science Python Professional Communication: Resume & Interview Skills Course Application and Career Planning	3 3 3

Total Credits for Graduation: 128 【Credits of School Common Compulsory (Mandatory) Courses: 28 (Including 22 Credits of Diversified General Education Courses) + College Core Required 27 Credits + College Required Elective 3 Credits +

Note:

Program Required 12 Credits + Elective Courses (Total 46 Credits) [37 Primary Credits Selected, 9 Credits Selected form Others + 12 Credits of Courses of University of California, Irvine]

I. The "Non-credit requirements upon graduation" are processed according to university regulations.

II. The listed course information is based on the offerings of the cohort 2025; elective courses may be adjusted according to actual course offerings.