

國立金門大學資訊工程學系課程規劃表

National Quemoy University Bachelor's Program - Department of Computer Science and Information Engineering

110 學年度入學新生適用

Applicable for Freshmen Admitted in Academic Year 2021

本學系學生畢業時至少應修滿 130 學分，包括 Graduation Requirement: A minimum of 130 credits, including:		修訂歷程 Revision History
共同必修 8 學分 General Core Curriculum: 8 credits	通識課程 16 學分 General Education Courses: 16 credits	114年06月04日113學年度第2學期第1次校級課程規劃委員會通過 Approved on June 4, 2025, during the 1st University Curriculum Planning Committee Meeting of the 2nd Semester, Academic Year 2024
院必修 3 學分 College Required Courses: 3 credits	系必修 54 學分 Department Required Courses: 54	
專業選修 49 學分(包括 12 學分可選修非本學系所開設之課程) Professional Electives: 49 credits (including up to 12 credits from other departments)		

	一年級 First Year		上學期 Semester		下學期 Semester		二年級 Second Year		上學期 Semester		下學期 Semester		三年級 Third Year		上學期 Semester		下學期 Semester		四年級 Fourth Year		上學期 Semester		下學期 Semester		四年 合計 Total				
	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr	學分 Cr	時數 Hr					
共同必修 General Required Courses	通識 General Education		依本校「學生修習通識教育課程辦法」規定。Follow the university's "General Education Curriculum Guidelines" – 16 credits																						16				
	體育 Physical Education		依本校「體育課程實施辦法」規定。Follow the university's "Physical Education Curriculum Guidelines" – 0 credit																						0				
	國文(一)Chinese(I)		2	2																							8		
	英文(一)English(I)		2	2																									
	服務教育 Service Education		0	1																									
	國文(二)Chinese(II)				2	2																							
	英文(二)English(II)				2	2																							
服務教育 Service Education				0	1																								
共同必修總計Subtotal		4	4																							24			
專業必修 Professional Required Courses	院必修 College Required		微積分 Calculus		3	3																				3			
	院必修總計 Subtotal				3																						3		
	系必修 Department Required Courses		程式設計 Programming		3	3	計算機結構 Computer Architecture		3	3	作業系統 Operating System		3	3	專題製作(一) Senior Projects (I)		3	3									54		
			數位邏輯 Digital Logic		3	3	資料結構 Data Structure		3	3	專題製作(二) Senior Project(II)				3	3													
			多媒體概論 Multimedia Introduction		3	3	電路學 Circuits Studies		3	3																			
			計算機概論 Information to computer		3	3	系統程式 System Programming				3	3																	
			線性代數 Linear Algebra				3	3	資料庫系統管理 Database System and Management				3	3															
			程式設計進階 Advanced Programming				3	3	離散數學 Discrete Mathematics				3	3															
			資訊網路 Computer Networks				3	3																					
			網頁設計 Web Site Design				3	3																					
資訊科技英文導論 English for Information Technology					3	3																							
系必修總計 Subtotal		12	15					9	9			6	3													54			
專業必修總計Subtotal		15	15					9	9			6	3													57			
一般選修 General Elective Courses	套裝軟體認證 Package software Authentication		2	2	資訊科技認證 Information technology certification		2	2	機率與統計 Probability and Statistics		3	3	專題研究(一) Directed Research(I)		2	2													
	電腦輔助電路設計與模擬 Computer-aided circuit design and simulation		3	3	智慧型行動裝置軟體設計 Smartphone device software		3	3	軟體工程與演算法 Software Engineering and Algorithm		3	3	工程倫理 Engineering Ethics		3	3													
	電腦應用軟體認證 Computer Application Software Certification				3	3	視窗程式設計 Window Programming		3	3	遊戲程式設計 Game Programming		3	3	校外專業實習(一) Outside exertise (I)		4	4											
	數位邏輯實習 Digital logic internship				3	3	iOS程式設計 iOS Programming				3	3	國際資訊證照導論 Information Authentication		2	2													
							多媒體程式設計 Multimedia Programming				3	3	雲端資訊認證 Cloud Information Certification		2	2													
													演算法 Introduction to Algorithms		3	3													
													行動科技與生活 Mobile Technology and life		2	2													
												VR科技應用導論 Introduction to VR Technology Application		2	2														
												多媒體整合 Multimedia Conformity		3	3								2	2					

專業選修總計Subtotal	5	6		20	27		36	25		57	42	218
學期總計Subtotal	24	25		29	36		42	28		57	42	283

備註：

1.本表適用於110(含)學年起入學之資訊工程學系學生。

This table applies to students admitted to the Department of Computer Science and Information Engineering from the 110th academic year (inclusive).

2.本系畢業學分最低為130學分，學生必須修畢共同必修課程24學分(共同科目8學分、通識16學分)、專業必修57學分(含院必修6學分)、專業選修至少49學分(包括12學分可選修非本系所開設之專業課程)，且學生須通過「本校學生英文及資訊能力畢業門檻及輔導辦法」相關規定始可畢業。

The total required credits for graduation are 130 credits. Students must complete the following credits: 24 credits of general core (8 credits of general required courses, 16 credits of general education courses), 57 credits of professional required courses (including 6 credits of college required courses), and at least 49 credits of professional elective courses (including 12 credits that can be selected from professional courses offered by other departments). Additionally, students must pass the school's English and information skills requirements in order to graduate.

3.本系要求110入學者須於大學四年中取得本系表列之任一資訊相關專業證照方可畢業。

Students admitted in the 110th academic year and thereafter are required to obtain one of the information-related professional certifications listed by this department during their four years of study.

4.學測成績達70級分同學，可依志願優先推薦成為國內外交換生，於交換學校所修習系之學分，得採計為系上各式之畢業學分，總數以畢業總學分四分之一為限；學測成績達75級分同學，可依其志願採保障名額成為國內外交換生，於交換學校所修習系之學分，得採計為系上各式之畢業學分，總數以畢業總學分二分之一為限。

This is a description about the general scholastic ability test for senior high school in this country and does not apply to international students.

5.大學部學生可選修碩士班課程，依「國立金門大學一貫修讀學、碩士學位辦法」申請抵免。

Undergraduate students may take master's level courses and apply for credit exemption according to the "Five-year study plan for bachelor's and master's degrees".

6.相同課程名稱適用碩士班。

The same course titles apply to the master's course.

7.表列選修科目為預定科目，將視實際需要而調整。

The listed elective courses are planned courses and may be adjusted based on actual needs.