

國立雲林科技大學**111**學年度資訊工程系  
大陸、香港二技專班 專業必修 課程流程圖

課程流程圖(講授時數-實習時數-學分數)

(111.04.13 110學年度第2次系課程委員會議決議)

第一學年		第二學年	
第一學期	第二學期	第一學期	第二學期
共同必修科目(含通識6學分,計10學分)			
職場英文 Career English 2-0-2	文學與創新興趣選項 Literature Innovation-Literature For Life 2-0-2		
通識課程 General course 2-0-2	通識課程 General course 2-0-2	通識課程 General course 2-0-2	
4-0-4	4-0-4	2-0-2	0-0-0
系訂必修科目(計37學分)			
資料結構 Data Structures 3-0-3	實務專題(一) Senior Design ( I ) 0-6-3	實務專題(二) Senior Design ( I ) 0-6-3	作業系統 Operating Systems 3-0-3
計算機網路 Computer Network 3-0-3	離散數學 Discrete Mathematics 3-0-3	計算機組織 Computer Organization 3-0-3	
微算機原理及應用 Theory and Applications of Microcomputer 3-0-3	計算機演算法 Computer Algorithms 3-0-3	機率與統計 Probability and Statistics 3-0-3	
微算機原理及應用實習 Microcomputer Applications Lab 0-3-1	物件導向程式設計 Object-Oriented Programming Design 3-0-3	系統程式 System Programming 3-0-3	
9-3-10	9-6-12	9-6-12	3-0-3

備註：

Note:

1. 本流程圖適用111學年度入學之二技生。

This flowchart is applicable to second-degree students entering in the academic year 2022.

2. 本系二技生最低畢業總學分為74學分。

The minimum total credits required for graduation in our department for second-degree students is 74 cr

3. 如本系專業必修課程名稱與外系相同，本系學生應修習本系專業必修課程，外系學分則不承認。

If the course names of the required courses in our department are the same as those in other departments, our department's students should take the required courses in our department, and the credits from other departments will not be recognized.

4. 外籍二技專班修習「服務學習課程」得依本校「服務學習課程實施規定」辦理。

Foreign second-degree program students can take the "Service Learning Course" according to the implementation regulations of the "Service Learning Course" of our university.

5. 通識課程：畢業前修滿 6 學分，每學期限修 2 門，可多修但不納入校共同必修學分數。

General education courses: Complete 6 credits before graduation, with a maximum of 2 courses per semester. Extra courses can be taken but will not count towards the required credits.

6. 本系香港二技專班學生之課程修課規定如下：

The course regulations for the Hong Kong second-degree program students in our department are as follows:

(1)專業必修及選修課程皆本系大學部班級併班上課，不單獨另開班級授課。

(1) Both required and elective courses are taken together with the undergraduate classes in our department, and separate classes are not held.

(2)除資訊工程系所開之選修課外，其它都算外系選修(選修軍訓不予承認為畢業學分)。

(2) Except for elective courses offered by the Department of Computer Science and Information Engineering, all other courses are considered as elective courses from other departments. The elective course for military training is not recognized for graduation credits.

7. 考量二技學生並沒有修習程式設計實務，實務專題(一)評分標準為 50%CPE+50%教師評分。

Considering that second-degree students have not taken practical programming courses, the grading criteria for Practical Project (I) is 50% based on CPE score and 50% based on teacher evaluation

國立雲林科技大學111學年度資訊工程系大陸、香港二技專班 專業選修 課程流程圖

第一學年		第二學年	
第一學期	第二學期	第一學期	第二學期
<b>共同不分領域</b>			
工程數學 Engineering Mathematics 3-0-3	程式設計實習(二) Program design Laboratory 0-3-1	科技新知講座(一) Lectures on Engineering practice ( I ) 2-0-2	科技新知講座(二) Lectures on Engineering Pract 2-0-2
程式設計實習(一) Program design Laboratory ( I ) 0-3-1	暑期產業實務實習 Summer Advanced Industri Internship 0-4-2	科技論文導讀 Introductory reading of techn 3-0-3	科技論文寫作導論 Introduction to Writing Techn 3-0-3
節能省電之技術與管理 Technology and Managem Energy & Electricity Saving 3-0-3		產業實務實習(一) Industry Internship ( I ) 1-8-5	產業實務實習(三) Industry Internship ( III ) 1-8-5
		產業實務實習(二) Industry Internship ( II ) 1-8-5	產業實務實習(四) Industry Internship ( IV ) 1-8-5
<b>多媒體系統領域</b>			
Java程式設計 Java Programming 3-0-3	多媒體網路概論 Introduction to Multimedia 3-0-3	網際網路探勘概論 Introduction to Internet Explora 3-0-3	資料壓縮 data compression 3-0-3
數位信號處理 Digital Signal Processing 3-0-3	遊戲程式與設計 Game Programming and D 3-0-3	影像辨識技術 Image recognition technology 2-2-3	資料科學 Data Science 3-0-3
	自然語言處理導論 An Introduction to Natural Processing 3-0-3		
多媒體處理技術 multimedia processing tech 3-0-3	數位影像處理導論 Fundamentals of Digital Im Processing 3-0-3	網路應用系統設計 Network Application System De 3-0-3	
資料庫系統 Database System 3-0-3		類神經網路概論 Introduction to Neural Network: 3-0-3	
網頁程式設計 Web Design and Programming 3-0-3	網站前端設計與開發 Front-End Web Design and 3-0-3	巨量資料與圖形識別 Mass data and graphic recogniti 3-0-3	
		<b>機器視覺演算法與應用</b>	

	<p>高光譜影像與圖形識別</p> <p>3-0-3</p>	<p>Machine Vision Algorithms and Applications</p> <p>3-0-3(新增)</p> <p>iOS智慧裝置軟體設計</p> <p>IOS APP Programming</p> <p>2-2-3</p>
<p>嵌入式系統領域</p>		
<p>介面設計</p> <p>Interface Design</p> <p>3-0-3</p>	<p>嵌入式系統概論</p> <p>Introduction to Embedded System</p> <p>3-0-3</p>	<p>穿戴式科技於心臟病學之應用</p> <p>Applications of Wearable Computing in Cardiology</p> <p>3-0-3(學期異動)</p>
<p>APP程式設計</p> <p>APP Programming</p> <p>2-2-3</p>	<p>APP程式設計</p> <p>APP Programming</p> <p>2-2-3</p>	<p>嵌入式行動多媒體實驗</p> <p>Embedded Mobile Experiment</p> <p>3-0-3</p>
<p>嵌入式應用軟體實驗</p> <p>Embedded application experiment</p> <p>3-0-3</p>	<p>機器人學概論</p> <p>Introduction to Robotics</p> <p>3-0-3</p> <p>驅動程式設計</p> <p>driver programming</p> <p>3-0-3</p>	<p>前瞻智慧終端整合應用專題</p> <p>Forward-looking smart integration application topics</p> <p>3-0-3</p> <p>PLC自動化系統應用專題</p> <p>PLC automation system topic</p> <p>2-2-3</p>
	<p>FPGA數位系統設計實習</p> <p>FPGA數位系統設計實習</p> <p>FPGA digital system Design Internship</p> <p>2-2-3</p>	<p>資訊科技於醫療長期照護之跨領域應用</p> <p>Information Technology in Long of The Interdisciplinary Applications</p> <p>3-0-3</p>
	<p>嵌入式作業系統實作</p> <p>embedded operating system practice</p> <p>3-0-3</p>	<p>物聯網概論與實作</p> <p>Introduction and Implementation of Internet of Things</p> <p>1-2-2</p> <p>資訊科技於運動與健康促進之應用</p> <p>IT Applications in Exercises Promotion</p> <p>3-0-3</p>
	<p>行動裝置遊戲程式設計</p> <p>Mobile Game Programming</p> <p>2-2-3</p>	<p>創客 - 互動物聯誌</p> <p>Maker Interacting with Everything</p> <p>2-2-3</p>
	<p>智慧電子應用設計概論</p> <p>Introduction to Smart Application Design</p> <p>3-0-3</p>	
	<p>嵌入式網路程式設計</p> <p>Embedded network program Design</p> <p>3-0-3</p>	
<p>電腦網路系統領域</p>		

通訊導論 Introduction to Communication 3-0-3	資訊安全 information security 3-0-3	平行程式設計 parallel program design 3-0-3	密碼學導論 Introduction to Cryptography 3-0-3
網路程式設計 Internet programming 3-0-3	信號與系統 Fundamentals of Signals & 3-0-3	展頻通訊 Spread spectrum communication 3-0-3	數位鑑識 digital identification 3-0-3
區域網路 Local area network 3-0-3	網路安全 network security 3-0-3	網路攻防技術 Network Attack and Defense Te 3-0-3	錯誤更正碼 Error Correction Code 3-0-3
現代密碼學 modern cryptography 3-0-3	人工智慧在資訊安 全之應用 Application of artificial intel information security 3-0-3	無線網路概論 Introduction to Wireless Networ 3-0-3	
資訊安全 information security 3-0-3	雲端運算概論 Introduction to Cloud Comp 3-0-3	深度學習理論與實務 Deep Learning Theory and Prac 3-0-3	語音辨識理論與 實務 Speech Recognition Theory and Prac 3-0-3
平行演算法 Parallel Algorithm 3-0-3	車載網路漫遊技 術與應用 In-vehicle network roaming technology and application 3-0-3	行動應用軟體安全 Mobile Application Security 3-0-3	
物聯網應用與 實驗 The Applications and Lab of Internet c 3-0-3		無線網路與車聯網應用概論 Introduction to Wireless Netwc Internet of Vehicles Applicator 3-0-3	

備註：

1. 選修課程至少應選修27學分(可含外系選修9學分)。
2. 二技學生選修外系承認畢業學分上限為9學分。
3. 系專業課程與四技生一同上課。
4. 本系不承認本校進修部課程或他校進修部課程之學分數。

Note:

1. Elective courses should be taken for a minimum of 27 credits (including 9 credits from other departments).
2. The maximum limit for credits recognized from courses taken in other departments for second-degree students is 9 credits.
3. Departmental professional courses are taken together with fourth-year students.
4. Credits from courses taken in the continuing education department of our university or courses from other institution education departments are not recognized by our department.