資訊工程學系進修學士班
113 學年度入學新生課程規劃表

校訂必修(通識核心課程) **共計26學分**

類別		課程/學門	學分	開課年級
基本知能(12)	外國語文學門(Q)	英文(一)	4	一
		大二外文自由選	4	二
	語文表達	中國語文能力表達	2	一下
	學習與發展(N)	大學學習	1	一上
	社團學習與實作(K)	課外活動與團隊發展	1	一下
通識核心課程(14)	**探索永續**		**1**	**一上**
	人文領域	文學經典學門(L)	2	1.每學門至多修習 2 科
		歷史與文化學門(P)		
		哲學與宗教學門(V)		
		藝術欣賞與創作學門(M)		
	社會領域	全球視野學門(T)	2	
		未來學學門(R)		
		社會分析學門(W)		
		公民社會及參與學門(S)		
	科學領域	資訊教育學門(O)	2	
		全球科技革命學門(Z)		
		自然科學學門(U)		
全民國防教育軍事訓練（一）-國防科技			0	
體育			0	
校園與社區服務學習			2	

系訂必修 **共計66學分**

科目名稱	學分數	開課年級
計算機概論	3	1
網路概論	3	1
計算機程式語言	3/3	1
靜態網頁設計	3	1
Javescript網頁設計	3	1
開源軟體實務	3	1
機率統計	3	1
資料庫	3	2
資料結構與處理	3	2
行動裝置程式設計(一)	3	2
行動裝置程式設計(二)	3	2
Web程式設計(一)	3	2
Web程式設計(二)	3	2
資料分析(一)	3	2
資料分析(二)	3	2
演算法	3	3
作業系統	3	3
數據視覺化	3	3
人工智慧概論	3	3
專題製作(一)	3	3
專題製作(二)	3	3

系選修 **20學分**

科目名稱	學分數	開課年級
知識商務	3	三
個人通訊系統	3	三
統計學	3	三
無線區域及個人網路	3	三
無線網路概論	3	三
無線區域網路	3	三
電子商務概論	3	三
機器學習概論	3	三
深度學習概論	3	三
工程數學	3	三
組合語言與系統程式	3	三
編譯程式	3	三
虛擬化技術	3	三
進階C語言實務	3	三
行動裝置程式設計	3	三
正規語言與自動機理論	3	四
雲端計算	3	四
多媒體處理技術	3	四
物件導向軟體工程	3	四
軟體專案管理	3	四
無線網路安全	3	四
資料探勘	3	四
管理資訊系統	3	四
網路安全	3	四
網路程式設計	3	四
影像處理	3	四
大數據分析技法	3	四
物聯網概論	3	四
數據科學實務：使用Python	3	四
物聯網安全	3	四
數位影像處專題	3	四
人工智慧之深度計算入門	3	四
資料壓縮	3	四
金融科技安全	3	四
資訊通訊安全管理	3	四
人工智慧與專家系統概論	3	四
決策支援系統	3	四
軟體開發與專案管理	3	四
系統分析與設計	3	四
ＪＡＶＡ程式設計	3	四
進階程式設計	3	四
企業系統開發實境	3	四
行動通訊安全	3	四
企業資訊系統	3	四
資訊安全導論	3	四

◎系選修課程依當學期開課課程為主，以上列表僅供參考。

校訂必修：　26學分
系訂必修：　66學分
系選修：　20學分
自由選修：　16學分
程式能力檢定：　0學分
畢業總學分數：128學分

Department of Computer Science and Information Engineering(Evening Bachelor Degree)
113 Academic Year Freshman Course Planning Table

School Compulsory Courses 26 Credits

Field		Course Name	credit	Grade
Fundamental courses (12)	Foreign Language (Q)	English (I)	4	1st year
		optional foreign language for sophomore year	4	2nd year
	Ability of Expressing in Spoken and Written Chinese	Ability of Expressing in Spoken and Written Chinese	2	1st year
	Learning and Development (N)	Learning in University	1	1st year
	Learning and Practice of Club (K)	Learning and Practice of Club	1	1st year
General Education & Core Courses (14)	Exploring Sustainability		1/1	1st year
	humanities	Classics in World Literature (L)	2	Each part from categories only can take up to 2 subjects for 4 credits.
		History and Culture(P)		
		Philosophy and Religion (V)		
		Arts Appreciation and Invention (M)		
	Society and Culture	Global Outlook (T)	2	
		Futures Studies (R)		
		Social Analysis (W)		
		Civil Society and Participation (S)		
	Scientific Inquiry	Information & Computer Education (O)	2	
		Global Technology Revolution (Z)		
		Natural Sciences (U)		
All-Out Defense Education Military Training and Nursing			0	
Physical Education			0	
Campus And Community Service-Learning			2	

Department Compulsory Courses 66 credits

Course Name	credit	Grade
Introduction to Computers	3	1st year
Introduction to Computer Network	3	1st year
Computer Programming	3/3	1st year
Static Web Design	3	1st year
Javascript Web Design	3	1st year
Open Source Practice	3	1st year
Probability and Statistics	3	1st year
Database	3	2nd year
Data Structure & Processing	3	2nd year
Mobile Device Programming I	3	2nd year
Mobile Device Programming Ii	3	2nd year
Web Programming I	3	2nd year
Web Programming Ii	3	2nd year
Data Analysis I	3	2nd year
Data Analysis Ii	3	2nd year
Algorithms	3	3rd year
Operating Systems	3	3rd year
Data Visualization	3	3rd year
Introduction to Artificial Intelligence	3	3rd year
Special Project I	3	3rd year
Special Project Ii	3	3rd year

Department Elective Courses 20 Credits

Course Name	credit	Grade
Knowledge Commerce	3	3rd year
Personal Communication Systems	3	3rd year
Statistics	3	3rd year
Wireless Lans and Pans	3	3rd year
Introduction Of Wireless Lan	3	3rd year
Wireless Local Area Networks	3	3rd year
Introduction to E-Business	3	3rd year
Introduction to Machine Learning	3	3rd year
Introduction to Deep Learning	3	3rd year
Engineering Mathematics	3	3rd year
Assembly Language and System Programs	3	3rd year
Compilers	3	3rd year
Virtualization Technology	3	3rd year
Advanced C Programming	3	3rd year
Mobile Device Programming	3	3rd year
Formal Languages & Automata Theory	3	4th year
Cloud Computing	3	4th year
Multimedia Processing Technology	3	4th year
Object-Oriented Software Engineering	3	4th year
Software Project Management	3	4th year
Wireless Network Security	3	4th year
Data Mining	3	4th year
Management Information System	3	4th year
Network Security	3	4th year
Network Programming	3	4th year
Image Processing	3	4th year
Big Data Analytic Techniques	3	4th year
Introduction To Internet of Things *	3	4th year
Practical Data Science on Python	3	4th year
Security of The Internet of Things	3	4th year
Digital Image Processing Project	3	4th year
Introduction to Deep Computing In Artificial Intelligence	3	4th year
Data Compression	3	4th year
Fintech Security	3	4th year
Computer and Network Security	3	4th year
Introduction to Artificial Intelligence and Expert Systems	3	4th year
Decision Support Systems	3	4th year
Software Development and Project Management	3	4th year
System Analysis and Design	3	4th year
Java Programming	3	4th year
Advanced Computer Programming	3	4th year
Workshop Of Enterprise System Development	3	4th year
Mobile Communications Security	3	4th year
Enterprise Information System	3	4th year
Introduction to Information Security	3	4th year

◎ The department elective courses are mainly based on the courses offered in the current semester. The above list is for reference only.。

（1）Total credits of compulsory subjects: 92 credits (including 26 credits of general education courses)
（2）Minimum total number of credits required for elective courses in this department: 20 credits.
（3）Total credits of other elective courses: 16 credits
（4）Programming Examination
Total credits for graduation: 128 credits