

正修科技大學進修部四技 資訊工程系 111 學年度入學新生課程標準表

說明：1.最低畢業學分 128 學分

2.必修 36 學分【含通識基礎必修 8 學分及專業必修 28 學分】

選修 92 學分【含通識博雅選修 8 學分及專業選修 84 學分】跨院選修至多 10 學分

*上機收費△實習

一年級上學期				一年級下學期			
科目類別	科目代碼	科目名稱	學分/時數	科目類別	科目代碼	科目名稱	學分/時數
通識基礎必修	90I021	國文(一)	2/2	通識基礎必修	90I022	國文(二)	2/2
通識基礎必修	90I023	英文(一)	2/2	通識基礎必修	90I024	英文(二)	2/2
專業必修	90I035	計算機概論	*△3/3	專業必修	90IA26	電子電路	3/3
專業必修	90IA02	微積分	3/3	專業必修	90IA27	電腦網路原理與實務	*△3/3
專業必修	90IA51	計算機程式設計(一)	*△3/3	專業必修	90IA52	計算機程式設計(二)	*△3/3
專業選修	90INK6	資訊工程論壇	1/1	專業選修	90INH2	記憶體元件特性概論	3/3
				專業選修	90INJ6	Python 程式設計	3/3
				專業選修	90INK7	資訊工程倫理	1/1
本學期預定開課 14 學分 14 小時				本學期預定開課 17 學分 17 小時			
二年級上學期				二年級下學期			
科目類別	科目代碼	科目名稱	學分/時數	科目類別	科目代碼	科目名稱	學分/時數
通識博雅選修	900A00	通識博雅課程(一)	2/2	通識博雅選修	900C00	通識博雅課程(三)	2/2
通識博雅選修	900B00	通識博雅課程(二)	2/2	通識博雅選修	900D00	通識博雅課程(四)	2/2
專業必修	90IA29	數位系統設計	3/3	專業必修	90IA50	物聯網系統概論	*△3/3
專業必修	90IA44	電子電路實習	△ 4/4	專業選修	90IN06	微算機原理與應用	*△3/3
專業選修	90INF8	資料結構	3/3	專業選修	90INF5	資料庫管理系統	3/3
專業選修	90INH3	記憶體測試設備實務	3/3	專業選修	90INF9	雲端管理概論	3/3
專業選修	90INJ4	計算機結構	3/3	專業選修	90INH5	記憶體封裝設備實務	3/3
專業選修	90INJ7	物件導向程式設計	*△3/3	專業選修	90INJ8	資訊安全概論	3/3
本學期預定開課 17 學分 17 小時				本學期預定開課 16 學分 16 小時			

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三年級上學期				三年級下學期			
科目類別	科目代碼	科目名稱	學分/時數	科目類別	科目代碼	科目名稱	學分/時數
專業選修	90INL3	網頁程式設計	*△4/4	專業選修	90IN26	軟體工程	3/3
專業選修	90IN72	JAVA 程式設計	*△4/4	專業選修	90IND6	物聯網整合系統實務(一)	*△4/4
專業選修	90IN30	單晶片應用與實習	*△4/4	專業選修	90INI4	IC封測實務	*△ 3/3
專業選修	90IN41	記憶體封測模擬	3/3	專業選修	90INK1	網路攻防技術實務	*△4/4
專業選修	90INH8	IC設計製造及應用實務	*△ 3/4	專業選修	90INK8	實務專題(一)	1/2
專業選修	90INI1	雲端管理實務	*△3/3	專業選修	90INL2	深度學習	*△4/4
專業選修	90INI2	人工智慧	*△4/4	專業選修	90INL5	機器人實務	*△4/4
專業選修	90INL4	微算機實習	*△4/4	專業選修	90INL6	JAVA程式應用實務	*△4/4
專業選修	90INL7	系統與資料庫安全實務	*△4/4				
專業選修	90INN9	演算法	*△4/4				
本學期預定開課 16 學分 16 小時				本學期預定開課 16 學分 16 小時			
四年級上學期				四年級下學期			
科目類別	科目代碼	科目名稱	學分/時數	科目類別	科目代碼	科目名稱	學分/時數
專業選修	90IND7	物聯網整合系統實務(二)	*△4/4	專業選修	90IN32	數位影音製作	*△3/3
專業選修	90INL8	影像處理系統實務	*△4/4	專業選修	90IN80	專案管理	4/4
專業選修	90INM6	大數據分析	*△4/4	專業選修	90INM1	3D列印實務	*△4/4
專業選修	90INL9	網路攻擊練滲透實務	*△4/4	專業選修	90INM2	物聯網資安威脅檢測與防護	*△4/4
專業選修	90INK4	資安生活、倫理與法律	2/2	專業選修	90INM3	人工智慧應用實務	*△4/4
專業選修	90INK9	實務專題(二)	1/2	專業選修	90INM9	智慧手機程式設計	*△4/4
專業選修	90INN7	智慧製造概論	2/2	專業選修	90INN8	實務研習	2/2
本學期預定開課 16 學分 16 小時				本學期預定開課 16 學分 16 小時			

Department of Computer Science and Information Engineering
Curriculum Requirements for Enrollees in the Academic Year 111 (Fall 2022)

Program	Four-year technical college program of the Department for Division of Continuing								
Group	None								
Class Type	Regular Class								
Special Program	None								
Curriculum Committee	Department Curriculum	111.04.27							
	College Curriculum	111.05.20							
	University Curriculum	111.06.06							
	Academic Affairs	111.06.06							
Graduation Credits /Study Duration	At least 128 credits required (normally 4 years).								
Credit Load per Semester	The minimum number of credits per semester is 9 credits.								
Required and Elective	Credits		Subject Category			Credits			
Required	36 Credits		General Education			8 Credits			
			Major Required			28 Credits			
			College Major			0 Credits			
Elective	92 Credits		General Education			8 Credits			
			Major Elective			84 Credits			
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
First Semester, First Year					Second Semester, First Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
General Education	90I021	Chinese(1)	2/2		General Education	90I022	Chinese(2)	2/2	
General Education	90I023	English(1)	2/2		General Education	90I024	English(2)	2/2	
Major Required	90I035	Introduction to Computer Science	3/3	Computer Course	Major Required	90IA26	Electronic Circuits	3/3	
Major Required	90IA02	Calculus	3/3		Major Required	90IA27	Principle and practice of computer network	3/3	Computer Course
Major Required	90IA51	Programming Language(1)	3/3	Computer Course	Major Required	90IA52	Programming Language(2)	3/3	Computer Course
Major Elective	90INK6	Forums of Computer Science and Information Engineering	1/1		Major Elective	90INH2	Characteristics of Memy Devices	3/3	
					Major Elective	90INJ6	Python Programming	3/3	Computer Course
					Major Elective	90INK7	Ethics of Computer Science and Information Engineering	1/1	

14 Credits, 14 Hours					20 Credits, 20 Hours				
First Semester, Second Year					Second Semester, Second Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
General Education	900A00	General Courses (I)	2/2		General Education	900C00	General Courses(III)	2/2	
General Education	900B00	General Courses (II)	2/2		General Education	900D00	General Courses (IV)	2/2	
Major Required	90IA29	Digital System Design	3/3		Major Required	90IA50	Introduction to Internet of Things	3/3	Computer Course
Major Required	90IA44	Practice of Electronic Circuits	4/4		Major Elective	90IN06	Microcomputer Theorem and Applications	3/3	Computer Course
Major Elective	90INF8	Data Structure	3/3		Major Elective	90INF5	Database management system	3/3	Computer Course
Major Elective	90INH3	Practice of Memory IC Testing Equipment	3/3		Major Elective	90INF9	Introduction to Cloud Management	3/3	
Major Elective	90INJ4	Computer Architecture	3/3		Major Elective	90INH5	Practice of Memory IC Packaging Equipment	3/3	
Major Elective	90INJ7	Object Oriented Programming	3/3	Computer Course	Major Elective	90INJ8	Introduction of Information Security	3/3	
23 Credits, 23 Hours					22 Credits, 22 Hours				
First Semester, Third Year					Second Semester, Third Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Elective	90IN30	Single-Chip Application and Lab.	4/4	Computer Course	Major Elective	90IN26	Software Engineering	3/3	Computer Course
Major Elective	90IN41	Memory packaging simulation	3/3		Major Elective	90IND6	Practice of IoT Integrated System(1)	4/4	Computer Course
Major Elective	90IN72	JAVA Programming	4/4	Computer Course	Major Elective	90INI4	Practice of IC Packaging and Testing	3/3	Computer Course
Major Elective	90INH8	Design, Manufacturing, and Application of IC	3/4	Computer Course	Major Elective	90INK1	Defensive and Offensive Cybersecurity	4/4	Computer Course
Major Elective	90INI1	Cloud Management Practices	3/3	Computer Course	Major Elective	90INK8	Digital Content Project (1)	1/2	
Major Elective	90INI2	Artificial intelligence	4/4	Computer Course	Major Elective	90INL2	Deep Learning	4/4	Computer Course
Major Elective	90INL3	Program Design of Webpage	4/4	Computer Course	Major Elective	90INL5	Implementation of Intelligent Robot	4/4	Computer Course
Major Elective	90INL4	Practice of Microcomputer Theorem and Applications	4/4	Computer Course	Major Elective	90INL6	Java Application Practice	4/4	Computer Course
Major Elective	90INL7	Operating System and Database Security	4/4	Computer Course					

Major Elective	90INN9	Algorithm	4/4	Computer Course					
37 Credits, 38 Hours					27 Credits, 28 Hours				
First Semester, Fourth Year					Second Semester, Fourth Year				
Course Category	Course Number	Course Name	Credits/Hours	Notes	Course Category	Course Number	Course Name	Credits/Hours	Notes
Major Elective	90IND7	The Practice of IOT Integration System(2)	4/4	Computer Course	Major Elective	90IN27	Practical Training	2/3	
Major Elective	90INK4	Laws and Ethic in Information Security	2/2		Major Elective	90IN32	Digital Video Producing	3/3	Computer Course
Major Elective	90INK9	Special Projects(2)	1/2		Major Elective	90IN77	Smart phone programming	4/4	
Major Elective	90INL8	Practice of Image Processing	4/4	Computer Course	Major Elective	90IN80	Project Management	4/4	
Major Elective	90INL9	Practice of Cyber Kill Chain	4/4	Computer Course	Major Elective	90INL1	Introduction to Industry 4.0	2/2	
Major Elective	90INM6	Big Data Analysis	4/4	Computer Course	Major Elective	90INM1	Practicing of 3D Printing	4/4	Computer Course
					Major Elective	90INM2	Threats and Protections of IoT Cybersecurity	4/4	Computer Course
					Major Elective	90INM3	Practical Applications of Artificial Intelligence	4/4	Computer Course
19 Credits, 20 Hours					27 Credits, 28 Hours				