

109.5.11 課程委員會及 109.5.21 院課程委員會審議通過
109.5.28.校課程委員會議及 109.6.11.教務會議審議通過

第二學年 Second Year	
積體電路與系統應用 Integrated Circuit and System Application	

通信基頻晶片電路	Communication Baseband Integrated Circuit	3	3	0			
射頻積體電路導論	Introduction to RFIC Design	3	3	0			
電力電子積體電路設計	Power Electronics IC Design	3	3	0			
太陽能系統與應用	Solar Cell System and Applications	3	3	0			
嵌入式軟體設計實務	Embedded Software Design	3	3	0			
電磁相容之標準與測試	Electromagnetic Compatibility of Standards and Test	3	3	0			
IC 測試技術	IC Test Technologies				3	3	0
IC 封裝技術	IC Packaging Technologies				3	3	0
半導體元件模擬	Semiconductor Device Simulation				3	3	0
運算放大器設計實務	Practical Design of Operational Amplifiers				3	3	0
電磁相容實務	Engineering EMC				3	3	0
網路多媒體暨遊戲機 Network Multimedia and Game Machine							
資料庫系統應用	Applied Database System	3	3	0			
作業系統	Operating System	3	3	0			
計算機結構	Computer Architecture	3	3	0			
遊戲物理導論	Introduction to Game Physics	3	3	0			
演算法	Algorithms				3	3	0
虛擬實境	Introduction to Virtual Reality				3	3	0
擴增實境導論	Introduction to Augmented Reality				3	1	2
物聯網概論	Introduction to Internet of Things				3	3	0
智慧機器人 Intelligent Robotics							
定位導航概論	Introduction to Positioning and Navigation	3	3	0			
智慧機電實務	Smart Mechatronics Practice	2	1	3			
人機介面	Design of Human-Machine Interface	3	3	0			
電機控制原理與應用	Electrical Control Principle and Application				3	3	0
可攜式電源設計	Portable Power Supply Design				3	3	0
人工智慧	Artificial Intelligence				3	3	0
機器人程式設計	Robotic Programming				3	3	0
共同專業選修科目 General Department Electives Courses							
第一學年 First Year							
校外實習(暑期)一	Internship Program (outside-campus) on Summer Vacation (I)				3	0	3
第二學年 Second Year							
專業倫理與社會責任	Professional Ethics and Social Responsibility	3	3	0			
職場倫理實習(一)	Workplace Ethics (I)	3	0	3			
資訊技術實習(一)	Computer Applications Practice (I)	3	0	3			
電子技術實習(一)	Electronic Skill Practice (I)	3	0	3			
產業實務實習(一)	Industrial Skill Practice (I)	3	0	3			
職場倫理實習(二)	Workplace Ethics (II)				3	0	3
資訊技術實習(二)	Computer Applications Practice (II)				3	0	3
電子技術實習(二)	Electronic Skill Practice (II)				3	0	3
產業實務實習(二)	Industrial Skill Practice (II)				3	0	3

備註 Note:

一、畢業至少應修滿 72 學分【必修 32 學分，選修至少 40 學分(須含本系專業選修至少 27 學分)】

Students should complete at least 72 credits before graduation, including 32 required credits, 40 elective credits (elective credits should have at least 27 credits from department elective courses).

二、本校訂有「國立勤益科技大學學生英文及資訊能力與服務學習畢業門檻辦法」，請依規定辦理。

Please follow the rule of English, Computer Ability and Service Learning Graduation Threshold in National Chin-Yi University of Technology.