# 中華科技大學二專進修部電機與資訊工程系課程規劃表(113學年度入學)

113年4月1日112學年度第2學期第1次系課程發展委員會通過
113年4月9日112學年度第2學期第1次院課程發展委員會通過
113年4月29日112學年度第2學期第1次校課程發展委員會通過

| | | 第一學年/First Academic Year | | | | | 第二學年/Second Academic Year | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 科目/Course Title | 第一學期 First Semester 學分 Credits | 第一學期 First Semester 時數 Hours | 第二學期 Second Semester 學分 Credits | 第二學期 Second Semester 時數 Hours | 科目/Course Title | 第一學期 First Semester 學分 Credits | 第一學期 First Semester 時數 Hours | 第二學期 Second Semester 學分 Credits | 第二學期 Second Semester 時數 Hours | 總學分 Total Credits | 總時數 Total Hours |
| 學校必修 (通識科目) Courses Required by the University | | 通識課程(一)/General Courses(I) | | | 2 | 2 | 通識課程(二)/General Courses(II) | 2 | 2 | | | 10 | 10 |
| | | 中文寫作與應用(一)(二)/Chinese Writing and Application(I)(II) | 2 | 2 | 2 | 2 | 通識課程(三)/General Courses(III) | | | 2 | 2 | | |
| | | 小計/Subtotal | 2 | 2 | 4 | 4 | 小計/Subtotal | 2 | 2 | 2 | 2 | | |
| 學院必修 (專業科目) Courses Required by the College | | 小計/Subtotal | 0 | 0 | 0 | 0 | 小計/Subtotal | 0 | 0 | 0 | 0 | 0 | 0 |
| 學系必修 (專業科目) Courses Required by the Department | | 基礎數學/ Elementary Mathematics | 3 | 3 | | | 工程數學/ Engineering Mathematics | 3 | 3 | | | 41 | 41 |
| | | 基本電學/ Basic Electricity | 3 | 3 | | | 電路學/ Electric Circuit | 3 | 3 | | | | |
| | | #計算機概論/ Introduction to Computers | 3 | 3 | | | #網路概論/ Networking Fundamentals | 3 | 3 | | | | |
| | | 數位邏輯/ Digital Logic | 2 | 2 | | | #微算機實務/ Microcomputer Practice | 3 | 3 | | | | |
| | | #數位邏輯實習/ Digital Logic Experiments | 3 | 3 | | | #晶片設計導論/ Introduction to IC Chip Design | | | 3 | 3 | | |
| | | 微積分/ Calculus | | | 3 | 3 | | | | | | | |
| | | #計算機程式/ Computer Programming | | | 3 | 3 | | | | | | | |
| | | 電子學/ Electronics | | | 3 | 3 | | | | | | | |
| | | #應用電子實習/ Applied Electronics Practice | | | 3 | 3 | | | | | | | |
| | | 小計/Subtotal | 14 | 14 | 12 | 12 | 小計/Subtotal | 12 | 12 | 3 | 3 | | |
| 選修科目 Elective Course | 校選修 (通識科目) University Electives | | | | | | | | | | | 29 | 29 |
| | 院選修 (專業科目) College Electives | | | | | | | | | | | | |
| | 學系選修 Department Electives | #多媒體介面實習/ Multimedia Interface Practice | 2 | 2 | | | 應用電子學/ Applied Electronics | 3 | 3 | | | | |
| | | 電子商務概論/ Introduction to Electronic Commerce | 2 | 2 | | | 創新管理/ Innovation Management | 3 | 3 | | | | |
| | | 電機工程概論/ Introduction of Electrical Engineering | 2 | 2 | | | #物件導向程式設計/ Object-oriented programming | 3 | 3 | | | | |
| | | 工業安全/Instrial Safety | 2 | 2 | | | #創意電子實習/Creative Electronic Experiment | 3 | 3 | | | | |
| | | 物理(一)(二)/Physics(I)(II) | 2 | 2 | 2 | 2 | #資料結構/ Data Structure | 3 | 3 | | | | |
| | | #視窗軟體應用/ Applications for Windows | | | 2 | 2 | 行動裝置程式設計/ Mobile Device Programming | 3 | 3 | | | | |
| | | #影像處理/ Image Processing | | | 2 | 2 | 計算機組織/ Computer Organization | 3 | 3 | | | | |
| | | 工業配線/ Industrial Electricity Distribution | | | 2 | 2 | 室內配線/Rooms Distribution Engineering | 3 | 3 | | | | |
| | | 屋內線路裝置規則/Regulations for Installation of Premise Wiring | | | 2 | 2 | | | | | | | |
| | | | | | | | 電機機械/ Electric Machinery | | | 3 | 3 | | |
| | | | | | | | #遊戲程式設計/ Game Program Design | | | 3 | 3 | | |
| | | | | | | | #硬體描述語言/ Hardware Description Language | | | 3 | 3 | | |
| | | | | | | | 產業分析/ Analysis of Industry | | | 3 | 3 | | |
| | | | | | | | #智慧電子應用概論/ Intelligent Electronic Application | | | 3 | 3 | | |
| | | | | | | | 應用電路學/ Applied Electric Circuits | | | 3 | 3 | | |
| | | | | | | | #電腦繪圖/ Computer Graphics | | | 3 | 3 | | |
| | | | | | | | #網頁設計/ Web Design | | | 3 | 3 | | |
| | | | | | | | 機率與統計/ Probability and Statistics | | | 3 | 3 | | |
| | | | | | | | #感測器實習/ Sensor Practice | | | 3 | 3 | | |
| | | | | | | | 綠色能源導論/ Introduction to Green Energy | | | 2 | 2 | | |
| | | | | | | | #行動智能控制與實務/ Mobile Intelligent Control and Practice | | | 2 | 2 | | |
| | | | | | | | 人工智慧概論/ Introduction to Artificial Intelligence | | | 2 | 2 | | |
| | | | | | | | 電路板設計概論/Introduction of Circuit Board Design | | | 2 | 2 | | |
| | | | | | | | 計算機程式應用/Computer Programming for Applications | | | 2 | 2 | | |
| | | | | | | | 網路多媒體設計/Network Multimedia Design | | | 2 | 2 | | |
| | | 建議選修/Recommended Elective | 4 | 4 | 4 | 4 | 建議選修/Recommended Elective | 6 | 6 | 15 | 15 | | |
| | | 合計/Total | 20 | 20 | 20 | 20 | 合計/Total | 20 | 20 | 20 | 20 | 80 | 80 |

備註：

1.「#」電腦上機實習科目。「@」專業證照輔導課程。「◆」創新創意課程。「▲」產業實務導向共構課程。「★」職能專業課程。

2. 若本班人數或所開課程經第一階段選課後未達開班人數，學生得跨年級、跨系或跨院選修相關課程。

3. 當學期若開設計畫性課程，如就業學程課程等，系選修課程得以計畫性課程認列畢業選修學分數。

4. 學生選修外系課程將予承認為本系選修學分，全部總計不超過10學分(含本校所認可之外校課程、校選修科目)為原則。