

中華科技大學二技進修部機械系課程規劃表(113學年度入學)

112年4月24日111學年度第2學期第3次系課程發展委員會通過
 112年4月26日111學年度第2學期第3次院課程發展委員會通過
 112年5月1日111學年度第2學期第2次校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修正通過

| | 第一學年/First Academic Year | | | | | 第二學年/Second Academic Year | | | | | 總學分 Total Credits | 總時數 Total Hours | |
|---|--|------------------------|-------------|-------------------------|-------------|--|------------------------|-------------|-------------------------|-------------|-------------------------|-----------------------|--|
| | 科目/Course Title | 第一學期 First Semester | | 第二學期 Second Semester | | 科目/Course Title | 第一學期 First Semester | | 第二學期 Second Semester | | | | |
| | | 學分 Credits | 時數 Hours | 學分 Credits | 時數 Hours | | 學分 Credits | 時數 Hours | 學分 Credits | 時數 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 | | | 6 | 6 | |
| | | | | | | 通識課程(三)/General Courses(III) | | | 2 | 2 | | | |
| | | | | | | | | | | | | | |
| | 小計/Subtotal | 0 | 0 | 2 | 2 | 小計/Subtotal | 2 | 2 | 2 | 2 | | | |
| 學院必修 (專業科目) Courses Required by the College | | | | | | | | | | | 0 | 0 | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | 小計/Subtotal | 0 | 0 | 0 | 0 | 小計/Subtotal | 0 | 0 | 0 | 0 | | | |
| 學系必修 (專業科目) Courses Required by the Department | 工程材料Engineering Materials | 3 | 3 | | | 專題(二)Topic(2) | 2 | 2 | | | 37 | 37 | |
| | 熱力學thermodynamics | 3 | 3 | | | 精密量測實驗/precision measurement | 3 | 3 | | | | | |
| | 電腦輔助機械製圖computer aided mecnamcar drawing | 3 | 3 | | | 材料實驗 material experiment | 3 | 3 | | | | | |
| | 機構學Mechanism | | | 3 | 3 | 機電整合及實習 Mechatronic Integration and practice | | | 3 | 3 | | | |
| | 氣液壓實習Pneumatic Hydraulics Internship | | | 3 | 3 | 熱流實驗heat flow experiment CNC machine tool | | | 3 | 3 | | | |
| | 專題(一)Topic (1) | | | 2 | 2 | 數控工具機CNC machine tool | | | 3 | 3 | | | |
| | 機械設計Mechanical Design | | | 3 | 3 | | | | | | | | |
| | 小計/Subtotal | 9 | 9 | 11 | 11 | 小計/Subtotal | 8 | 8 | 9 | 9 | | | |
| 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 | 電子學Electronics | 3 | 3 | | | 流體力學fluid mechanics | 2 | 2 | | | | |
| | 太陽能工程 solar engineering | 3 | 3 | | | 圖形監控 graphic monitoring | 2 | 2 | | | | | |
| | 自動控制automatic control | 3 | 3 | | | 逆向工程Reverse Engineering | 3 | 3 | | | | | |
| | 綠色能源概論Introduction to Green Energy | 3 | 3 | | | 電腦輔助設計應用 Computer Aided Design Application | 3 | 3 | | | | | |
| | 計算機概論Introduction to Computers | 3 | 3 | | | 智慧製造Smart Manufacturing | 3 | 3 | | | | | |
| | 工廠管理/Industrial Management | 3 | 3 | | | 工程倫理 engineering ethics | 2 | 2 | | | | | |
| | 複合材料實務Composites Practice | 3 | 3 | | | 雷射加工laser processing | 2 | 2 | | | | | |
| | 動力學dynamics | | | 3 | 3 | 工業安全與衛生Industrial Safety and Health | 2 | 2 | | | | | |
| | 電腦輔助立體製圖Computer Aided Stereo Mapping | | | 3 | 3 | 產品設計實務/Product Design Praticce | | | 3 | 3 | | | |
| | 機器人概論 Introduction to Robotics | | | 2 | 2 | 快速產品開發技術/Rapid product development technology | | | 3 | 3 | | | |
| | 新能源概論Introduction to New Energy | | | 2 | 2 | 工業設計實務/Industrial design - Practice | | | 3 | 3 | | | |
| | 材料力學Mechanics of materials | | | 2 | 2 | 光電工程導論Introduction to Optoelectronic Engineering | | | 2 | 2 | | | |
| | 專利理論與實務/Patent theory and practice | | | 2 | 2 | 智慧製造技術)/Smart manufacturing Technology | | | 2 | 2 | | | |
| | 電子學實習 Electronics practice | | | 3 | 3 | 自動化機構automation mechanism | | | 2 | 2 | | | |
| | 職場概論Introduction to the workplace | | | 2 | 2 | 人工智慧概論Introduction to Artificial Intelligence | | | 2 | 2 | | | |
| | | | | | | 電子學實習 Electronics practice | | | 3 | 3 | | | |
| | | | | | | | | | | | | | |
| | 建議選修/Recommended Elective | 9 | 9 | 5 | 5 | 建議選修/Recommended Elective | 8 | 8 | 7 | 7 | | | |
| 合計/Total | 18 | 18 | 18 | 18 | 合計/Total | 18 | 18 | 18 | 18 | | | | |

- 備註：
- 「#」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。
 - 若本班人數或所開課程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。
 - 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。
 - 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。