

國立勤益科技大學 113 學年度日間部二年制冷凍空調與能源系國際學生產學合作專班學分計畫表
National Chin-Yi University of Technology
Curriculum Planning of 2024 Two-Year College Industry-Academia Collaboration Program for
Mechatronics, Energy and Environment Control in Department of Refrigeration, Air Conditioning and
Energy Engineering

112.10.11 系課程會議審議通過
112.10.27 系務會議審議通過
112.11.23 院課程會議審議通過
112.12.07. 校課程委員會議及 112.12.21. 臨時教務會議審議通過
113.04.22 系課程會議審議通過
113.05.08 系務會議審議通過
113.5.14 院課程會議審議通過
113.5.21. 校課程委員會議及 113.6.6. 臨時教務會議審議通過
113.09.26 系課程會議審議通過
113.10.16. 系務會議審議通過
113.11.19 院課程會議審議通過
113.12.5. 校課程委員會議及 113.12.24. 臨時教務會議審議通過
114.04.16 系課程會議審議通過
114.04.18 系務會議審議通過
114.5.6 院課程會議審議通過
114.5.20. 校課程委員會議及 114.6.5. 臨時教務會議審議通過

| | 第一學年 First Year | | | | | | 第二學年 Second Year | | | | | | 第三學年 Third Year | | | | | | | | |
|------|---|---|-----------------------|---------------|------------------|------------------------|------------------|---|----------------|---|-----------------------|---------------|------------------|------------------------|---------------|--|----------------|---|-----------------------|---------------|------------------|
| | 科 目 Courses | | 上學期 First Semester | | | 下學期 Second Semester | | | 科 目 Courses | | 上學期 First Semester | | | 下學期 Second Semester | | | 科 目 Courses | | 上學期 First Semester | | |
| | | | 學分 Credits | 正課 Lecture | 實習 Internship | 學分 Credits | 正課 Lecture | 實習 Internship | | | 學分 Credits | 正課 Lecture | 實習 Internship | 學分 Credits | 正課 Lecture | 實習 Internship | | | 學分 Credits | 正課 Lecture | 實習 Internship |
| 必修 | 共同科目 (17 學分) General Required Courses (17 credits hours) | | | | | | | | | | | | | | | | | | | | |
| | 華語聽說(一) Chinese Listening and speaking | 3 | 5 | 0 | | | | 華語聽說(三) Chinese Listening and speaking (III) | 3 | 3 | 0 | | | | | | | | | | |
| | 華語讀寫(一) Chinese Reading and writing | 3 | 5 | 0 | | | | | | | | | | | | | | | | | |
| | 體育(一) Physical Education (I) | 0 | 2 | 0 | | | | | | | | | | | | | | | | | |
| | 華語聽說(二) Chinese Listening and Speaking (II) | | | | | 3 | 5 | 0 | | | | | | | | | | | | | |
| | 華語讀寫(二) Chinese Reading and Writing (II) | | | | | 3 | 5 | 0 | | | | | | | | | | | | | |
| | 藝術與哲學 Art and philosophy | | | | | 2 | 2 | 0 | | | | | | | | | | | | | |
| | 體育(二) Physical Education (II) | | | | | 0 | 2 | 0 | | | | | | | | | | | | | |
| | 小計 | 6 | 12 | 0 | 8 | 14 | 0 | | 3 | 3 | 0 | | | | | | | | | | |
| | 校訂必修科目 (29 學分) Professional Required Courses(29credits hours) | | | | | | | | | | | | | | | | | | | | |
| | 工程數學(一) Engineering Mathematics (I) | 3 | 3 | 0 | | | | 實務專題 Project Study | 2 | 0 | 6 | | | | | | | | | | |
| | 熱力學 Thermodynamics | 3 | 3 | 0 | | | | 產業實習(一) Industry internship(I) | | | | 9 | 0 | 9 | | | | | | | |
| | 冷凍空調基礎裝修實務 Basic Practices of Refrigeration and Air-Conditioning | 3 | 2 | 2 | | | | | | | | | | | | | | | | | |
| | 空調工程與實習 Air- Condition Engineering and Practices | | | | | 3 | 2 | 2 | | | | | | | | | | | | | |
| | 冷凍工程及實習 Refrigeration Engineering and Practices | | | | | 3 | 2 | 2 | | | | | | | | | | | | | |
| | 機電整合實務 Mechatronics integration practice | | | | | 3 | 2 | 2 | | | | | | | | | | | | | |
| | 小計 | 9 | 8 | 2 | 9 | 6 | 6 | 小計 | 2 | 0 | 6 | 9 | 0 | 9 | | | | | | | |
| 專業選修 | 校訂選修科目 (26 學分) Professional Electives Courses(26 credits hours) | | | | | | | | | | | | | | | | | | | | |
| | 自動控制 Automatic Control | 3 | 3 | 0 | | | | 工業安全 Industry Safety | 3 | 3 | 0 | | | | | 產業實習(二) industry internship (II) | 9 | 0 | 9 | | |
| | 燃料電池概論 Introducton to Fuel Cells | 3 | 3 | 0 | | | | 現代控制 Modern Control | 3 | 3 | 0 | | | | | 通風工程 Ventilation and Air Moving Engineering | 3 | 3 | 0 | | |

[illegible]