

明志科技大學四技進修部 104學年度入學 電子工程系 課程總表

104/04/21 教務會議審議通過  
 104/04/02 院課程委員會審議通過  
 104/04/01 系課程委員會審議通過

| 科目名稱   | 一上 |    | 一下 |    | 二上 |    | 二下 |    | 三上 |    | 三下 |    | 四上 |    | 四下 |    | 每班人數 |    | 備註   |
|--|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------|----|------|
|  | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 學分 | 時數 | 上限   | 下限 |      |
| 基礎課程   | 3  | 3  | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 國文(Chinese)  | 3  | 3  | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 英文(English)  | 3  | 3  | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 體育(Physical Education)   | 0  | 2  | 0  | 2  | 0  | 2  | 0  | 2  |    |    |    |    |    |    |    |    |      |    |      |
| 英語聽講(Aural-Oral English)                                       |    |    |    |    | 1  | 2  | 1  | 2  |    |    |    |    |    |    |    |    |      |    |      |
| 歷史(History)  |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 憲政與發展(Constitution & Democratic Development)                   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 合計   | 6  | 8  | 6  | 8  | 4  | 7  | 1  | 4  | 0  | 0  | 3  | 3  | 0  | 0  | 0  | 0  |      |    |      |
| 專業必修目(66學分)  | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 微積分(Calculus)  | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 數位邏輯設計(Digital Logic Design)                                   | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 工程數學(一)(Engineering Mathematics I)                             |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 電子學(一)(Electronics I)  |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 工程數學(二)(Engineering Mathematics II)                            |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 電子學(二)(Electronics II)   |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| FPGA/CPLD設計實務(FPGA/CPLD Design Practices)                      |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 工程應用數學(Engineering Applied Mathematics)                        |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| 電子學(三)(Electronics III)  |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| 電子電路設計實務(Electronic Circuit Design Practice)                   |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| 微處理機原理應用(Microprocessor Principles and Applications)           |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| 固態電子學(Solid-state Electronics)                                 |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| 光電工程概論(Introduction to Electro-optical Engineering)            |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| 信號與系統(Signals and Systems)                                     |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| 微處理機應用實務(Microprocessor Applied Practice)                      |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| 計算機輔助電路設計(Computer Aided Circuit Design)                       |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 光電工程實務(Electro-optical Engineering Practice)                   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 嵌入式系統(Embedded Systems)  |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 積體電路設計導論(Introduction to VLSI Design)                          |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    |      |
| 電子儀表實務(Electronic Instrumentation Practice)                    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 嵌入式系統實務(Embedded Systems Practice)                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3    | 3  |      |
| 積體電路設計與佈局(IC Design and Physical Layout)                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3    | 3  |      |
| 合計   | 6  | 6  | 6  | 6  | 9  | 9  | 12 | 12 | 12 | 12 | 9  | 9  | 6  | 6  | 6  | 6  |      |    |      |
| 專業選修科目(至少24學分)   | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 基本電學(Preliminary Curriculum of Electronic Engineering)         | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| C語言程式設計(C Language Programming)                                | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 數位系統設計(Digital System Design)                                  |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 物件導向程式設計實務(Object-oriented Programming Practice)               |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |    |    |      |    |      |
| *網路概論(Introduction to Network)                                 |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    | 大一暑修 |
| 程式設計與資料結構實務(Language Programming and Data Structures Practice) |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 網路實務(Network Practice)   |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |    |    |      |    |      |
| 計算機結構(Computer Architecture)                                   |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| Android應用程式設計(Android Apps Programming)                        |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |    |    |      |    |      |
| *網路資料庫實務(Network Database Practice)                            |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    | 大二暑修 |
| 電子電路應用實務(Practical Application of Electronic Circuits)         |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| Android應用程式開發實務(Android Apps Design Practice)                  |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |    |    |      |    |      |
| 作業系統實務(Operation System Practice)                              |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 半導體元件(Semiconductor Devices)                                   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| 光電元件(Optoelectronic Devices)                                   |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |    |    |      |    |      |
| *系統程式(System Software)   |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    | 大三暑修 |
| 實用科技英文(English for Engineering & Technology)                   |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    |      |
| 半導體製程(Introduction to Semiconductor Process)                   |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    |      |
| DSP單晶片應用實務(DSP Single Chip Practice)                           |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |    |    |      |    |      |
| 車載嵌入式系統(Vehicle Embedded Systems)                              |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 半導體量測(Introduction to Semiconductor Measurement)               |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 科技英文實務(Advance technology English)                             |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 醫療電子儀表實務(Introduction to Biomedical Meter)                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 通信原理(Communication Theory)                                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 3  | 3  |      |    |      |
| 合計   | 6  | 6  | 6  | 6  | 9  | 9  | 6  | 6  | 9  | 9  | 9  | 9  | 12 | 12 | 15 | 15 |      |    | 72   |

- 1 畢業最少應修 128 學分。
- 2 各學年上下限：第1學年12 ~ 24學分，第2學年12 ~ 21學分，第3學年12 ~ 21學分及第4學年9 ~ 21學分
- 3 基礎課程 20學分，通識選修至少 8 學分，專業必修共 66學分，專業選修至少修 24學分，一般選修(可跨系) 10 學分。