

明志科技大學四技部 113學年度入學 電子工程系 課程總表

114/11/18 校課程委員會審議通過
114/10/17 院課程委員會審議通過
114/10/15 系課程委員會審議通過

| | | 科 目 名 稱 | 一上 | | 一下 | | 二上 | | 三下 | | 三上 | | 三下 | | 四上 | | 四下 | | 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 | | |
| 共 同 必 修 (41 學 分) | 基 础 課 程 學 分 | 文學鑑賞與情意表達(Appreciation of Literature and Emotional Expression) | 2 | 2 | | | | | | | | | | | | | | | | |
| | | 藝文鑑賞與社會參與(Art Literacy and Social Participation) | | | 2 | 2 | | | | | | | | | | | | | | |
| | | 永續發展與社會實踐(Sustainable Development and Social Practice) | 1 | 1 | | | | | | | | | | | | | | | | |
| | | 生活與職場英文(一)(二)(English for Life and Business I - II) | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | |
| | | 體育(一)~(四)(Physical Education I-IV) | 1 | 2 | 1 | 2 | 1 | 2 | 1 | 2 | | | | | | | | | | |
| | | 全民國防教育軍事訓練(一)(二)(All-out Defense Education Military Training I - II) | 0.5 | 2 | 0.5 | 2 | | | | | | | | | | | | | | |
| | | 歷史思維與多元文化領域(Historical Thinking and Multicultural Studies) | | | | | | | | | | | | | | | | | | |
| | | 英語聽講(一)(二)(Aural-Oral English I - II) | | | | | | | 1 | 2 | 1 | 2 | | | | | | | | |
| | | 英語實務(一)(二)(Practical English I - II) | | | | | | | | | | | | | | | 1 | 2 | 1 | |
| | | 合 計 | | 7.5 | 10 | 6.5 | 9 | 4 | 6 | 2 | 4 | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 2 | |
| | | ~ 核心課程 | 大學之道(The Goal of University Education) | 1 | 2 | | | | | | | | | | | | | | | |
| | | 設計思考(Design Thinking) | | | 1 | 1 | | | | | | | | | | | | | | |
| | | 合 計 | | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 校 共 同 同 學 課 分 程 | 實習前職場素養訓練(Professionalism Prior to Practical Training) | | | | | | | | | | | | | | 1 | 1 | | | |
| | | 工讀實務實習(一)(Curricular Practical Training I) | | | | | | | | | | | | | | | 4 | | | |
| | | 工讀實務實習(二)(Curricular Practical Training II) | | | | | | | | | | | | | | | 4 | | | |
| | | 工讀實務實習(三)(Curricular Practical Training III) | | | | | | | | | | | | | | | 4 | | | |
| | | 工讀實務實習(四)(Curricular Practical Training IV) | | | | | | | | | | | | | | | 4 | | | |
| | | 合 計 | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 16 | 0 | 0 | 0 | 0 | 0 | |
| | | 院~專 業學 必修 | 實習前技術訓練(Hands-on Courses Prior to Curricular Practical Training) | | | | | | | | | | | | | | | | | |
| | | 普通物理(General Physics) | 3 | 3 | | | | | | | | | | | | | | | | |
| | | 微積分(一)(二)(Calculus I & II) | 3 | 3 | 3 | 3 | | | | | | | | | | | | | | |
| | | 工程數學(一)(Engineering Mathematics I) | | | | | | 3 | 3 | | | | | | | | | | | |
| | | 合 計 | | 6 | 6 | 3 | 3 | 3 | 3 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 專 業 (56 學 分) | 程式設計實務(Software Design Practice) | 3 | 3 | | | | | | | | | | | | | | | | |
| | | 數位邏輯設計實務(Digital Logic Design Practice) | 2 | 3 | | | | | | | | | | | | | | | | |
| | | 線性代數(Linear Algebra) | 3 | 3 | | | | | | | | | | | | | | | | |
| | | 電路佈局實務(Electronic Circuit Layout Practice) | | | 2 | 3 | | | | | | | | | | | | | | |
| | | 電子學(一)(Electronics I) | | | 3 | 3 | | | | | | | | | | | | | | |
| | | 電路學(Electrical Circuit Analysis) | | | 3 | 3 | | | | | | | | | | | | | | |
| | | 電子學實習(一)(Electronics Laboratory I) | | | | | 2 | 3 | | | | | | | | | | | | |
| | | 電子學(二)(Electronics II) | | | | | 3 | 3 | | | | | | | | | | | | |
| | | 工程數學(二)(Engineering Mathematics II) | | | | | | | 2 | 3 | | | | | | | | | | |
| | | 電子電路模擬實務(Electronic Circuit Simulation Practice) | | | | | | | 1 | 2 | | | | | | | | | | |
| | | 專題製作(一)(Special Topic Study I) | | | | | | | | | 3 | 3 | | | | | | | | |
| | | 專題製作(二)(Special Topic Study II) | | | | | | | | | 1 | 2 | | | | | | | | |
| | | 概率與統計(Probability and Statistics) | | | | | | | | | 3 | 3 | | | | | | | | |
| | | 工程倫理與專業實務講座(Engineering Ethics and Practical Training Chair Lectureship) | | | | | | | | | | | | | | 1 | 2 | | | |
| | | 通信原理(Communication Theory) | | | | | | | | | | | | | | 3 | 3 | | | |
| | | 專題製作(三)(Special Topic Study III) | | | | | | | | | | | | | | 1 | 2 | | | |
| | | 專題製作(四)(Special Topic Study IV) | | | | | | | | | | | | | | 2 | 2 | | | |
| | | 合 計 | | 8 | 9 | 8 | 9 | 5 | 6 | 8 | 11 | 7 | 8 | 0 | 0 | 5 | 7 | 2 | 2 | |
| 共至 同少 ~ 8 應學 修分 畢 | 通 識 選 修 | 一、開課清冊請參考「通識課程範總表」。 二、通識五類型課程「語言與 globalization、人文藝術、社會研究與未來趨勢、自然科學、自主學習類」，任選四類各 2 學分，合計至少 8 學分。 | | | | | | | | | | | | | | | | | | |
| | | 院專 業 選 修 | 科技英文閱讀與聽力訓練(一)(Technical English:Reading and Listening (I)) | 0 | 1 | | | | | | | | | | | | | | | 系教學分學程課程 |
| | | 科技英文閱讀與聽力訓練(二)(Technical English:Reading and Listening (II)) | | | 0 | 1 | | | | | | | | | | | | | | 系教學分學程課程 |
| | | 科技英文閱讀與聽力訓練(三)(Technical English:Reading and Listening (III)) | | | | | 1 | 1 | | | | | | | | | | | | 系教學分學程課程 |
| | | 科技英文閱讀與聽力訓練(四)(Technical English:Reading and Listening (IV)) | | | | | | | 1 | 1 | | | | | | | | | | 系教學分學程課程 |
| | | 9 科技英文閱讀與聽力訓練(五)(Technical English:Reading and Listening (V)) | | | | | | | | | 1 | 1 | | | | | | | | 系教學分學程課程 |
| | | 科技英文簡報與表達(Scientific Presentation in English) | | | | | | | | | | | | | | 2 | 2 | | | 系教學分學程課程 |
| | | 特色專題(一)(Senior Capstone Project(I)) | | | | | | | | | | | | | | 2 | 4 | | | 系教學分學程課程 |
| | | 特色專題(二)(Senior Capstone Project(II)) | | | | | | | | | | | | | | | | | | 系教學分學程課程 |
| | | 合 計 | | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 4 | 6 | 2 | 4 | |
| 選 修 專 業 應 修 43 學 分 | 系 專 業 選 修 43 學 分 | 基本電學(Preliminary Course of Electronic Engineering) | 1 | 3 | | | | | | | | | | | | | | | | 系共同選修 |
| | | 電腦輔助資料表達於工程之應用(Computer-Aided Engineering Data Presentation) | 3 | 3 | | | | | | | | | | | | | | | | 系共同選修 |
| | | 人工智能概論(Introduction to Artificial Intelligence) | | | 3 | 3 | | | | | | | | | | | | | | 系共同選修 - 不可選修通識「人工智能概論」 |
| | | 專題初探(Special Project Exploration) | | | | 2 | 2 | | | | | | | | | | | | | 系共同選修(暑期開課) |
| | | 專題實務(Special Project Practice | | | | | | | | | | | | | | | | | | |