**元智大學電機工程學系(甲組)輔系科目表**

**Department of Electrical Engineering** **(Program A), Yuan Ze University**

**List of Minor Courses**

**（112學年度入學新生適用）**

**(Applicable to Students Admitted in Academic Year of 2023)**

112.04.19 一一一學年度第六次教務會議通過

Passed by the 6th Academic Affairs Meeting, Academic Year 2022, on April 19, 2023

| 輔系名稱  Minor Title | 輔系科目  Course Title | 學分  Credits | 備註  Remarks |
| --- | --- | --- | --- |
| 電機工程學系(甲組)  Department of Electrical Engineering (Program A) | 電路學  Electric Circuits | 3 | ︵  必  修  ︶  Required Courses |
| 微電腦系統  Micro-Computer Systems | 3 |
| 電子學(一)  Electronics(I) | 3 |
| 邏輯電路設計  Digital Logic Design | 3 |
| 電磁學(一)  Electromagnetics(I) | 3 |
| 邏輯電路設計實驗  Digital Logic Design Laboratory | 1 |
| 微電腦實驗  Micro-Processor Lab | 1 |
| 電子電路實驗(一)  Electronic Circuits Experiments(I) | 1 |
| 共計 Total Credits | 18 |
| 電磁學（二）  Electromagnetics(II) | 3 | ︵  選  修  ︶  Elective Courses |
| 進階電路學  Advance in Electric Circuits | 3 |
| 數位信號處理概論  Introduction to Digital Signal Processing | 2 |
| 電子學(二)  Electronics(II) | 3 |
| 電子學（三）  Electronics(III) | 3 |
| 數位信號處理實驗  Digital Signal Processing Lab | 1 |
| 自動控制(一)  Automatic Control(I) | 3 |
| 自動控制(二)  Automatic Control(II) | 3 |
| 訊號與系統  Signals and Systems | 3 |
| 線性代數  Linear Algebra | 3 |
| 資料結構  Data Structures | 3 |
| 超大型積體電路設計導論  Introduction to VLSI | 3 |
| 工程數學(一)  Engineering Mathematics(I) | 3 |
| 電力系統  Power Systems | 3 |
| 電力電子  Power Electronics | 3 |
| 多媒體概論  Introduction to Multimedia Information System | 3 |
| 電腦網路  Computer Network | 3 |
| 人機互動概論  Human-Computer Interaction | 3 |
| 微感測器及感測電路設計Design on Micro-Sensor and Sensor Circuits | 3 |
| 共計 Total Credits | 54 |

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註：1、必修科目共計18學分。

2、選修科目必須修本組認可之課程方才承認。

3、至少修畢28學分。

Notes：1、Minimum request of compulsory courses is 18 credits.

2、Elective courses need to be officially approved by Electrical Engineering Department (Program A).

3、Minimum credits requirement for minor field in Electrical Engineering Department(Program A) is 28.