**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.