

國立雲林科技大學

National Yunlin University of Science and Technology

電子工程系大學部課程流程圖-適用外籍生

Undergraduate Program of the Department of Electronic Engineering -Applicable for Foreign Students

(適用114學年度)

(Applicable for 114 Academic Year)

(講授時數-實習時數-學分數) (Hours of Lectures-Hours of Practice-Credits)

第1學年 First Academic Year		第2學年 Second Academic Year		第3學年 Third Academic Year		第4學年 Fourth Academic Year	
第1學期	第2學期	第1學期	第2學期	第1學期	第2學期	第1學期	第2學期
Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester	Fall Semester	Spring Semester
校共同必修(含通識12學分，計30學分) YunTech's Required Courses (including 12 credits of general course. 30 credits in total)							
體育 Physical Education 2-0-0	體育 Physical Education 2-0-0	體育興趣選項 Physical Education (Interest Options) 2-0-0	體育興趣選項 Physical Education (Interest Options) 2-0-0	應用中文 Practical Chinese 2-0-2			
文學與創新興趣選 項 Literature and Innovation (Interest Options) 2-0-2	文學與創新興趣選 項 Literature and Innovation (Interest Options) 2-0-2	工程倫理與產業 導論 Engineering Ethics and Industry Connection 2-0-2					
通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2	通識課程 General Education 2-0-2		
英文溝通實務(一) Practicum in English Communication(I) 0-2-1	英文溝通實務(二) Practicum in English Communication(II) 0-2-1	英文創作與發表 (一) English Presentation and Writing(I) 2-0-2	英文創作與發表 (二) English Presentation and Writing(II) 2-0-2		職場英文 Career English 2-0-2		
永續素養與實踐 Sustainability Literacy and Practice 1-0-1	生涯導航 Guidelines for career development 1-0-1						
7-2-6	7-2-6	8-0-6	6-0-4	4-0-4	4-0-4		
院共同必修(計12學分) College's Required Course (Total 12 Credits)							
微積分(一) Calculus(I) 3-0-3	微積分(二) Calculus(II) 3-0-3						
物理(一) Physics(I) 3-0-3	物理(二) Physics(II) 3-0-3						
6-0-6	6-0-6						
系共同必修(計36學分) Department's Required Course (Total 36 Credits)							
計算機概論 Introduction to Computer Science 3-0-3	數位邏輯設計 Digital Logic Design 3-0-3	電路學(一) Circuit Theory(I) 3-0-3	電子學(二) Electronics(II) 3-0-3	線性代數 Linear Algebra 3-0-3	實務專題(二) Senior Design(II) 0-6-3		
	數位邏輯設計實習 Digital Logic Design Laboratory 0-3-1	電子學(一) Electronics(I) 3-0-3	電子學實習 Electronics Lab. 0-3-1	實務專題(一) Senior Design(I) 0-6-3			
		工程數學(一) Engineering Mathematics(I) 3-0-3	工程數學(二) Engineering Mathematics(II) 3-0-3				
		微算機原理及應 用 Theory and Applications of Microcomputer 3-0-3					

第1學年 First Academic Year		第2學年 Second Academic Year		第3學年 Third Academic Year		第4學年 Fourth Academic Year	
第1學期 Fall Semester	第2學期 Spring Semester	第1學期 Fall Semester	第2學期 Spring Semester	第1學期 Fall Semester	第2學期 Spring Semester	第1學期 Fall Semester	第2學期 Spring Semester
		微算機原理及 應用實習 Microcomputer Applications Lab. 0-3-1					
3-0-3	3-3-4	12-3-13	6-3-7	3-6-6	0-6-3		
電子工程組專業必修(計19學分) Electronic Engineering Group's Required Course (Total 19 Credits)							
物理實驗(一) Physics Lab.(I) 0-3-1	物理實驗(二) Physics Lab.(II) 0-3-1	光電概論 An introduction to optoelectronics 3-0-3	電磁學(一) Electromagnetics(I) 3-0-3	微電子與光 電實習 Optoelectroni ce Laboratory 0-3-1	機率與統計 Probability and Statistics 3-0-3		
化學(一) Chemistry(I) 3-0-3			半導體元件基 本原理 Basic Principles of Semiconductor Devices 3-0-3				
化學實驗(一) Chemistry Lab.(I) 0-3-1							
3-6-5	0-3-1	3-0-3	6-0-6	0-3-1	3-0-3		
智慧電動車組專業必修(計34學分) Intelligent Electric Vehicle Group's Required Course (Total 34 Credits) -							
機械製圖與3D列印 實作 Mechanical Drafting and 3D Printing Practice 3-0-3	程式設計 Program Design 3-0-3		資料結構 Data Structures 3-0-3	超大型積體 電路導論 Introduction to Very Large Scale Integrated Circuits 3-2-4	印刷電路板設 計與組裝實務 Printed circuit board design and assembly practice 3-0-3		
	智慧電動車概論 Introduction to Intelligent Electric Vehicles 3-0-3		汽車電子系統 Automotive Electronic Systems 3-0-3	計算機組織 Computer Organization 3-0-3	人工智慧與應 用 Applied Artificial Intelligence 3-0-3		
				智慧座艙設 計 Smart Cabin Design 3-0-3	自駕車系統設 計 Autonomous Vehicle System Design 3-0-3		
3-0-3	6-0-6		6-0-6	9-2-10	9-0-9		
<p>*電子工程組 Electronic Engineering Group: 必修科目計97學分；選修課程至少39學分(含外系選修學分上限為12學分，每學期選修外系之課程最多兩門課，一學年最多三門課，選修外系課程以本系未開課程為主)。 Total 97 credits of required course. At least 39 credits of elective courses. (The maximum limit for elective credits from other departments is 12 credits. A maximum of two courses can be taken from other departments each semester, and no more than three courses in one academic year. Elective courses from other departments should primarily be those not offered by this department.)</p> <p>*智慧電動車組 Intelligent Electric Vehicle Group: 必修科目計112學分；選修課程至少24學分(含專業選修科目至少應修14學分；系共同選修至多4學分；外系選修至多修習6學分)。 Total 112 credits of required course. At least 24 credits of elective courses. (At least 14 credits of professional elective courses must be completed; a maximum of 4 credits for departmental common electives; and a maximum of 6 credits for electives from other departments.)</p> <p>*最低畢業總學分數為136學分。 The minimum graduation credits required are 136 credits.</p> <p>*本要求以中文為準，英文譯文與中文原文不一致時，以中文為準。 These requirements are adopted in Chinese, which shall prevail in case of any discrepancy between the English translation and the Chinese original.</p>							