

國立勤益科技大學113學年度進修部二年制電子工程科學分計畫表

National Chin-Yi University of Technology Continuing Education Division Curriculum for 2024 Two-year Association Program of Department of Electronic Engineering

112.11.13課程委員會及112.11.22院課程委員會審議通過
 112.12.07.校課程委員會議及112.12.21.臨時教務會議審議通過
 113.12.05.校課程委員會議及113.12.24.臨時教務會議審議通過

科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
共同必修科目(10學分)General Required Courses(10credits hours)							
第一學年First Year							
國文(一)	Chinese (I)	2	2	0			
國文(二)	Chinese (II)				2	2	
第二學年Second Year							
英文(一)	English (I)	2	2	0			
英文(二)	English (II)				2	2	
法學概論	Introduction to the Study of Law				2	2	
科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
校訂必修科目(41學分)Department Required Courses(41credits hours)							
第一學年First Year							
微積分(一)	Calculus (I)	2	2	0			
基本電學	Basic Electricity	3	3	0			
電子學(一)	Electronics (I)	2	2	0			
電路學(一)	Electric Circuit Analysis (I)	2	2	0			
基本電學實習	Basic Electricity Experiment	3	1	2			
微積分(二)	Calculus (II)				2	2	
電子學(二)	Electronics (II)				2	2	
電路學(二)	Electric Circuit Analysis (II)				2	2	
類比電路實習	Analog Circuits Experiment				3	1	
第二學年Second Year							
數位邏輯	Digital Logic	2	2	0			
電子學(三)	Electronics (III)	2	2	0			
工程數學(一)	Engineering Mathematics (I)	3	3	0			
數位電路實習(一)	Digital Circuit Experiment (I)	3	1	2			
△計算機程式	Computer Programming				2	2	
電子學(四)	Electronics (IV)				2	2	
工程數學(二)	Engineering Mathematics (II)				3	3	
數位電路實習(二)	Digital Circuit Experiment (II)				3	1	
科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
專業選修科目Department Electives Courses							
第一學年First Year							
產業實務(一)	Industrial Internship (I)	3	3	0			
工程倫理	Ethics in Engineering	3	3	0			
產業實務(二)	Industrial Internship (II)				3	3	
△行動裝置應用概論	Introduction to Mobile Device Applications				3	3	
3D列印原理與實務	Principle and Practice of 3D Printing				3	3	
第二學年Second Year							
產業專題(一)	Topics of Industry (I)	3	3	0			
通訊概論	Introduction to Communication	3	3	0			
工業電子	Industrial Electronics	2	2	0			
△微處理機導論	Introduction to Microprocessor	3	3	0			
電腦機構繪圖	Computer Aided Machine Drawing	3	3	0			
PLC應用實務	PLC Practice	3	3	0			
智慧感測與監控實務	Smart Sensor and Supervisory Control Practice	3	3	0			
產業專題(二)	Topics of Industry (II)				3	3	
電腦輔助電路設計導論	Introduction to Computer Aided Electronic Circuits Design				3	3	
△單晶片微電腦基礎	Basic Single Chip Microcomputer				3	3	
智慧機電實務	Smart Mechatronics Practice				3	3	
物聯網概論	Introduction to Internet of Things				3	3	
自動控制	Automatic Control				3	3	
科目	Courses	上學期First Semester			下學期Second Semester		
		學分 Credit	正課 Lecture	實習 Internship	學分 Credit	正課 Lecture	實習 Internship
共同選修科目General Elective Courses							
第二學年Second Year							

通識課程	Liberal Education Curriculums				2	2	0			
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學分/時數統計 Credit/Hour Total	第一學年First Year				第二學年Second Year					
	上學期 First Semester		下學期 Second Semester		上學期 First Semester		下學期 Second Semester			
	學分 Credit	學時 Hour	學分 Credit	學時 Hour	學分 Credit	學時 Hour	學分 Credit	學時 Hour	學時 Hour	
必修科目學分/時數 Required Courses Credit / Hour	14	14	11	11	12	12	14	14		
最低選修科目學分/時數 Minimum Electives Courses Credit / Hour	6	6	9	9	8	8	6	6		
總學分數/時數累計 Credits / Hours Total	20	20	20	20	20	20	20	20	20	

備註Note:

- 一、 畢業至少應修滿 80 學分【必修 51 學分，選修至少 29 學分(其中至少需含本系專業選修 20 學分)】。
Students should complete at least 80 credits before graduation, including 51 required credits, 29 elective credits (elective credits should have at least 20 credits from department elective courses).
- 二、 選修通識課程包含性別平等、智慧財產權、海洋教育等相關課程；選修通識課程由通識學院協助開設。
Liberal Education Courses include gender equality courses、intellectual property courses、marine education courses, and these courses provided by College of General Education.
- 三、 課程名稱前有標示「△」符號者，為「程式設計課程」。
Courses with a "△" refers to an application design course.
- 四、 課程名稱前有標示「●」符號者，為「職能專業課程」。
Courses with a "●" refer to a professional competence course.
- 五、 課程名稱前有標示「AI」符號者，為「人工智慧相關課程」。
Courses with an "AI" refer to an artificial intelligence related course.
- 六、 為因應法規變更、評鑑建議或政府計畫規定等外在因素，本系保有調整學分計畫之權利。若有修訂，將於學期開始前公告，並明確說明修訂內容、影響範圍及相關配套措施，以保障學生權益。
The department reserves the right to adjust the curriculum in response to external factors such as changes in regulations, suggestions of evaluation and accreditation, or government program regulations. If there are any revisions, will be announced before the start of the semester, and the revised content, scope of impact, and related supporting measures will be clearly stated to protect the rights and interests of students.