南開科技大學　113學年度入學　科技學院 電機與資訊技術系　進修部四技　課程總表

Nankai University of Technology Course Catalog for the 113th Academic Year, College of Science and Technology, Department of Electrical and Information Techology, Continuing Education Division, Four-Year Program

類別 Class	一年級(113) First Year 科目 Subjects	一上Fall 學分	時數	一下Spring 學分	時數	二年級(114) Second Year 科目 Subjects	二上Fall 學分	時數	二下Spring 學分	時數	三年級(115) Third Year 科目 Subjects	三上Fall 學分	時數	三下Spring 學分	時數	四年級(116) Fourth year 科目 Subjects	四上Fall 學分	時數	四下Spring 學分	時數
基本能力課程 Core Capabilities Courses	中國文學欣賞與習作(一)(二) Appreciation and Practice of Chinese Literature(1)(2)	2	2	2	2															
	英文(一)(二) English (1)(2)	2	2	2	2															
	體育(一)(二) Physical Education (1) (2)	2	2	2	2															
	小計 Subtotal	6	6	6	6															
分類通識 General Education Requirements	國際視野與永續發展 International Perspective and Sustainable Development	2	2			性別平權與社會關懷 Gender Equality and Social Care	2	2			禮節與倫理 Etiquette and Ethics	2	2							
						資訊科技 Information Technology	2	2												
						人文素養 Humanities Literacy			2	2										
						身心健康 Physical and Mental Health			2	2										
	小計 Subtotal	2	2			小計 Subtotal	4	4	4	4	小計 Subtotal	2	2							
系專業必修 Departmental Required Courses	電路學(一)(二) Circuit Analysis (1)(2)	3	3	3	3	電氣安全 Electric Safety	3	3			邏輯設計與實習 Logical Design and Practice	3	3			工業配線實習 Practice of Industrial Wiring	3	3		
	計算機概論 Introduction to Computer Science			3	3	工程數學 Engineering Mathematics	3	3			電機機械(一) Electric Machinery (1)	3	3			工業電子學與實務 Industrial Electronics	3	3		
						可程式控制器(一) Programmable Logic Controller(1)			3	3	程式設計(一) Computer Programming (1)	3	3			簡報設計與技巧 Presentation Design and Skills			3	3
						電子學 Electronics			3	3	電子學實習 Electronics Experiment			3	3					
											微處理機與實習 Microprocessor and Practice			3	3					
	小計 Subtotal	3	3	6	6	小計 Subtotal	6	6	6	6	小計 Subtotal	9	9	6	6	小計 Subtotal	6	6	3	3
	基礎python Basic Python	3	3			電腦輔助電路設計 Computer Aided Circuit Design	3	3			PCB電路設計 PCB Circuit Design	3	3			電機機械實習 Experiment of Electric Machine	3	3		
	電腦繪圖 Computer Graphics	3	3			暑期實習(一) Summer Practice (1)	2	*			電機應用實務 Practical application of electrical engineering	3	3			電機實務設計 Design of Distribution Power System	3	3		
	室內配線實習(一)(二) Practice of Indoor Wiring (1)(2)	3	3	3	3	照明設計(一)(二) Lighting Design(1)(2)	3	3	3	3	暑期實習(二) Summer Practice (2)	2	*			創意設計與方法 Creative Design and Methodology	3	3		
	電腦軟體應用實務 Practice of Computer Software Application			3	3	資訊應用實務(一)(二) Practice of Information Application (1)(2)	3	3	3	3	室內配線實習(三) Practice of Indoor Wiring (3)	3	3			暑期實習(三) Summer Practice (3)	2	*		
	數位生活概論 Introduction to Digital Living			3	3	水電實務 Electrician Practice			3	3	可程式控制器(二) Programmable Logic Controller(2)	3	3			專題製作(一)(二) Project Study (1)(2)	3	3	3	3

類別 Category	課程 Course	(1)	(2)	(3)	(4)	課程 Course	(1)	(2)	(3)	(4)	課程 Course	(1)	(2)	(3)	(4)	課程 Course	(1)	(2)	(3)	(4)
系專業選修 Departmental Elective Courses						AI概論 Introduction to AI			3	3	綠色能源概論 Introduction to Green Energy			3	3	試算表設計與應用 Design and Application of Excel			3	3
						半導體製程導論 Introduction to Semiconductor Manufacturing Technology			3	3	感測與轉換器 Basic Principle of Sensor and Transducer			3	3	多媒體實務 Multimedia practice			3	3
						進階python Advanced Python			3	3	福祉科技發展與應用 The Developement and Applications of Welfare Technology			3	3	工業控制 Industrial Control			3	3
											電機機械(二) Electric Machinery (2)			3	3	動態網頁設計 Dynamic Website Design			3	3
											程式設計(二) Computer Programming (2)			3	3	自動控制 Automatic Control			3	3
																生涯規劃 Life-Career Planning			3	3
																學期實習 Semester Internship			9	*
	小計 Subtotal	6	6	6	6	小計 Subtotal	9	9	9	9	小計 Subtotal	6	6	9	9	小計 Subtotal	9	9	6	6
其他選修 Other Elective Courses	大學社會責任 University Social Responsibility			2	2	運動健康促進課程 Sports Health Promotin Course	2	2	2	2	生命教育 Life Education	2	2							
						職場英文 Workplace English	2	2			智慧財產權 Intellectual Property Rights			2	2					
						人工智慧與物聯網概論 Introduction of AI and IoT			2	2										
	小計 Subtotal			2	2	小計 Subtotal	4	4	4	4	小計 Subtotal	2	2	2	2					
	合計 Total	17	17	18	18	合計 Total	19	19	19	19	合計 Total	17	17	15	15	合計 Total	15	15	9	9

附註：
Note:
1.本表113學年度進修部四技入學新生適用。
1. This curriculum is applicable to students of Continuing Education of the four-year technical program admitted for the academic year 2024.
2.最低畢業總學分為128學分，其中基本能力課程必修12學分、分類通識課程必修12學分、專業必修45學分，其餘59學分為選修學分。非本系所開科目之選修學分數，至多承認16學分為畢業學分。
2. The minimum credits for graduation is 128. This includes 24 credits courses required by the university and general education courses, "45" credits for department required courses, and the remaining "59" credits for elective credits. A maximum of 16 credits of elective credits from non-departmental courses will be recognized as graduation credits.
3.可至外系修讀相關課程，選讀外系課程需經本系主任與修讀外系課程主任同意。
3. Taking related courses offered by other departments is subject to approval by the department chair and the chairs of departments whose courses are selected.
4.校外實習類課程，學時為「*」校外實習類課程(暑期實習、產業實習、學期實習、海外實習及其他校外實習型態)詳見本校學生校外實習辦法。校外實習類課程總學分數至多採認18學分為畢業學分，超過18學分時，其超過部分不認列為畢業學分。
4. Off-Campus Internship-Related Courses (Summer Internship, Enterprise Internship, Semester-Based Internship, Overseas Internship, and other off-campus internship types) will be counted as 18 graduation credits. The excess will not be recognized.
5.學生選修運動(項目)為其他選修的學分數，系科最多採計2學分為畢業學分。
5. Students who choose to take sports (specific items) course as other elective credits can count a maximum of 2 credits for graduation in their department.
6.本表業經系課程委員會(113.03.25)、學院課程委員會(113.04.02)、校課程委員會 (113.04.09)審議通過。
6. This curriculum list has been reviewed and approved by the Department Curriculum Committee (2024.03.25), College Curriculum Committee (2024.04.02), and University Curriculum Committee (2024.04.09).