

Nankai University of Technology Course Catalog for the 110th Academic Year,College of Science and Technology, Department of Vehicle Engineering, Bachelor Program of Vehicle Comprehensive Technology, Continuing Education Division, Four-Year Program																				
類別 class	一年級(110) First Year				二年級(111) Second Year				三年級(112) Third Year				四年級(113) Fourth year							
	科目 Subjects	一上 AY(1) Fall		一下 AY(1) Spring		科目 Subjects	二上 AY(2) Fall		二下 AY(2) Spring		科目 Subjects	三上 AY(3) Fall		三下 AY(3) Spring		科目 Subjects	四上 AY(4) Fall		四下 AY(4) Spring	
		學分 Credits	時數 Credit Hours	學分 Credits	時數 Credit Hours		學分 Credits	時數 Credit Hours	學分 Credits	時數 Credit Hours		學分 Credits	時數 Credit Hours	學分 Credits	時數 Credit Hours		學分 Credits	時數 Credit Hours	學分 Credits	時數 Credit Hours
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 Credits	6	6	6	6										
分類通識 General Education Requirements											社會關懷 Social Concerns	2	2			國際視野 International Perspective	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 Credits	4	4	4	4					
專業通識 Specialized General Education											福祉科技與服務管理專論 Specialized Topics on Gerontechnology and Service Management			2	2	專利與智慧財產權 Patent and Intellectual Property Right			2	2
																創業與財務規劃 Entrepreneurship and Financial Planning			2	2
											小計 Subtotal Credits			2	2			4	4	
院必修 College Compulsory Courses	計算機概論 Introduction to Computer Science	3	3			綠色節能概論 Introduction to Green Energy	3	3												
	微積分 Calculus			3	3															
	小計 Subtotal Credits	3	3	3	3	小計 Subtotal Credits	3	3												
專業必修 Departmental Required Courses	汽車電系技術 Automotive Electrical System Technologies	3	3			汽車底盤技術 Automotive Chassis Technology	3	3			機構學 Mechanism	3	3			微處理機與實習 Microprocessor and Practice	3	3		
	汽車引擎技術 Automotive Engine Technology	3	3			車輛行銷管理 Automobile Marketing Management	2	2			實務專題(一)(二) Practice Topics(I)(II)	2	3	2	3	汽車電子通訊技術 Automotive Electrical Communication Technology			3	3
	汽車電子學 Electronic and Experiment	2	2			汽車綜合技術 Automotive comprehensive technology			3	3	電動車機電整合概論 Mechatronics of Electrical Vehicle			2	2					
	應用力學 Applied Mechanics			3	3	車輛感測技術 Vehicle Sensing Technology			3	3										
	汽車調色技術 Car color technology			3	3															
	塗裝基本實習 Automotive body painting			3	3															
	小計 Subtotal Credits	8	8	9	9	小計 Subtotal Credits	5	5	6	6	小計 Subtotal Credits	5	6	4	5	小計 Subtotal Credits	3	3	3	3
	電腦輔助機械製圖 Computer-aided mechanical drawing	3	3			能源工程 Energy Engineering	2	2			車輛零件加工技術 Vehicle Part Process Technology	3	3			汽車排放管制與控制 Automotive Emission Regulation and Control	2	2		
	創意工程 Innovation Engineering	2	2			化學 Chemistry	3	3			品質管制 Quality Control	2	2			車輛控制系統 Vehicle Control System	2	2		
	車輛工程與原理 Vehicle Engineering and Principle	2	2			車輛材料技術 Material Technology of Vehicle	3	3			綠色科技 Green Technology	3	3			熱流機械與實驗 Thermal-Fluid Machinery and Experiment	3	3		
	材料力學 Mechanics of Materials	3	3			電腦輔助繪圖實務 Computer-Aided Draw Practice	3	3			工程倫理 Engineering Ethics	2	2			輔具概論 Introduction of Assistive Technology	3	3		
	潤滑學 Lubrication Theory	2	2			燃料噴射系統 Fuel Injection System			2	2	熱流學 Thermofluids	3	3			科技英文 Technology English	2	2		

專業選修 Departmental Elective Courses	汽車空調 Automotive Air Conditioner	2	2			車身綜合實習 body comprehensive internship			2	2	工業安全管理 Industrial Safety Management			3	3	汽車新科技 New Technology for Automobile	2	2		
	汽車塗裝材料 Automobile coating materials			2	2	物理 Physics			3	3	顧客服務技巧 Customer Relationship Service Method			2	2	車輛通訊與行控 Vehicle Communication and Control			2	2
	焊接實習 Welding Internship			3	3	精密量具與檢測技術 Metrology Practice			3	3	內燃機 Internal Combustion Engine			3	3	汽車性能檢測與分析 Testing and Analysis of Automotive Performance			3	3
	板金實習 Sheet Metal Shaping and Processing Practice			3	3	產業實習(一)(二) Industrial Internship(一)(二)	3	*	3	*	福祉載具設計 Design of Welfare Vehicle			3	3	機械元件設計 Design of Machine Elements			3	3
	金屬加工法 metalworking method			2	2						產業實習(三)(四) Industrial Internship(三)(四)	3	*	3	*	汽車經營管理學與實務 Automobile Marketing Theory and Practice			2	2
	汽車板金 Automobile Body Repairing and Processing			2	2											產業實習(五)(六) Industrial Internship(五)(六)	3	*	3	*
	電池概論 Battery Introduction			2	2															
	汽車塗裝工法 Automobile Painting Skill and Procedure			2	2															
	小計 Subtotal Credits	6	6	6	6	小計 Subtotal Credits	5	5	5	5	小計 Subtotal Credits	6	6	6	6	小計 Subtotal Credits	6	6	6	6
其他選修 Other Elective Courses	永續發展與大學社會責任 Sustainable Development and University Social Responsibility			2	2															
	小計 Subtotal Credits			2	2															
	合計 Total Credits	17	17	18	18	合計 Total Credits	19	19	17	17	合計 Total Credits	15	16	16	17	合計 Total Credits	9	9	13	13

附註：  
Notes:  
1.本表110學年度進修部入學新生適用。  
1.This curriculum is applicable to students of Continuing Education of the four-year technical program admitted for the academic year 2021.  
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、專業通識必修6學分、院共同必修9學分、專業必修43學分，其餘46學分為選修學分，承認外系選修學分數不得超過畢業學分的1/8（不含學校跨領域學程或模組課程學分）。  
2.The minimum credits for graduation is 128, This includes 26 credits courses required by the university and general education courses, 6 credits for compulsory specialized general education, 9 credits for college common required courses, and 43 department required courses, and the remaining 46 credits are elective credits (including college common electives), and the recognized credits for courses taken in other departments must not exceed 1/8 of the graduation credits (excluding credits for inter-disciplinary programs or module courses offered by the university).  
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.跨系學程證明之核發依本校學程設置辦法規定辦理。  
4.Certificate of inter-disciplinary program completion will be validated abiding by regulations of the NKUT Program Establishment Guidelines.  
5.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，其超過部分不認為畢業學分。  
5.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.  
6.本表業經系課程委員會(109.03.04)、學院課程委員會(109.03.25)、校課程委員會(109.03.31)修正通過。  
6.This curriculum list has been reviewed and approved by the Department Curriculum Committee (2020.03.04), College Curriculum Committee (2020.03.25), and University Curriculum Committee (2020.03.31).  
7.本表業經系課程委員會(112.06.07)、學院課程委員會(112.06.12)、校課程委員會(112.06.21)修正通過。  
7.This curriculum list has been reviewed and approved by the Department Curriculum Committee (2023.06.07), College Curriculum Committee (2023.06.12), and University Curriculum Committee (2023.06.21).  
8.This curriculum list has been reviewed and approved by the Department Curriculum Committee (2023.06.07), College Curriculum Committee (2023.06.12), and University Curriculum Committee (2023.06.21).