南開科技大學 111學年度入學 車輛工程系僑生車輛零組件製造與修護技術專班 課程總表 Nankai University of Technology Course Catalog for the 111th Academic Year, College of Science and Technology, Department of Vehicle Engineering, Overseas Bachelor Program of Chinese students Vehicle Parts Manufacturing and Repair Technology, Daytime Division, Four-Year Program

類別	一年級(112) First Year			二年級(113) Second Year					I	三年級(114) Third Year					四年級(115) Fourth year 四上 四下						
知 Class	料目 Subjects	學分 Credits	時數 Credit Hours	學分	- 下 時數 Credit	料目 t Subjects	学分 Credits	時數	學分	-下 時數 Credi	t lit	科目 Subjects	三 學分 Credits	時數	學分	F 時數 Credit Hours	种目	學分	時數	學分	時數 Credit Hours
基礎課程 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			Hours		Trous	3			Tiours		Tiours			Hours		Tiours
	英文(一)(二) English(1)(2)	2	2	2	2																
	小計 Subtotal Credits	4	4	4	4																
通識課程 General Education Requirements						社會關懷 Social Issues	2	2				國際視野 International Perspective	2	2							
						禮節與倫理 Etiquette and Ethics	2	2				公民知識 Civic Knowledge	2	2							
						人文素養 Humanities Literacy			2	2	T										
						身心健康 Physical and Mental Health			2	2											
						小計 Subtotal Credits	4	4	4	4		사 <b>왕</b> Subtotal Credits	4	4							
	產業實習(一)(二) Industrial Internship(一)(二)	4	*	4	*	產業實習(三)(四) Industrial Internship(三)(四)	4	*	4	*		産業實習(五)(六) Industrial Internship(五)(六)	4	*	4	*	産業實習(七)(八) Industrial Internship(七)(八)	4	*	4	*
	基本電學與實習 Experiment of Fundamenatal Electricity	3	3			機構學 Mechanism	3	3				汽車底盤技術實務 Automotive Chassis Technique Practice	3	3			汽車新科技 New Technology for Automobile	2	2		
	工程力學 Engineering Mechanics-Statics	3	3			車輛材料技術實務 Practice in automotive materials technology	3	3			A	汽車綜合技術實務 Automotive Troubeshooting and Diagnosis Technique Practice			3	3	電動車機電整合概論 Mechatronics of Electrical Vehicle			2	2
專業必修 Departmental Required Courses	計算機程式 Computer Programming			3	3	電子學與實習 Electronic and Experiment			3	3	重 E	電動車與複合動力車 Electric Vehicle and Hybrid Vehicle			2	2					
	汽車電系技術實務 Technical practice of automotive electrical system			3	3	汽車引擎技術實務 Automotive Engine Technique Practice			3	3											
	小計 Subtotal Credits	10	6	10	6	小計 Subtotal Credits	10	6	10	6		사하 Subtotal Credits	7	3	9	5	小計 Subtotal Credits	6	2	6	2
	微積分 Calculus	3	3			電腦輔助機械製圖 Computer Aided Mechanical Drawing	3	3			Ir	內燃機 Internal Combustion Engine	3	3			汽車零件電腦輔助製造 Auto parts computer-aided manufacturing	3	3		
	計算機應用 Computer Applications	2	2			汽車電子電路 Automotive electronic circuits	3	3				汽車微處理機與實習 Automotive Micro-Controller Application and Practice	3	3			汽車性能檢測與分析 Testing and Analysis of Automotive Performance	3	3		
	創意工程 Innovation Engineering	2	2			車輛工程與原理 Vehicle Engineering and Principle	2	2				車辆零件加工技術實務 Vehicle parts processing technology practice	3	3			車辆專業英文 Professional Autotmotive English	2	2		
	自動化控制概論 Introduction to Automatic Control	2	2			能源工程 Energy Engineering	2	2			車 V	車辆控制系統 Vehicle Control System	2	2			車辆行銷管理 Automobile Marketing Management	2	2		
	物理 Physics			3	3	機密量具與檢驗 Precise Measurement Equipment and Inspection			3	3		人因概論 Introduction to Human Factors	2	2			車辆排放管制與控制 Automotive Emission Control	2	2		
	材料力學 Mechanics of Materials			3	3	車身技術 Autobody Technology			3	3	車 A	車廠佈置與管理 Automotive Service Workshop Layout and Management	2	2			汽車遠端診斷檢修實習 Automobile Troubleshooting by Using Remote Diagnosis Technique Practice			3	3
	綠色科技 Green Technology			2	2	燃料·貨射系統 Fuel Injection System			2	2		車輛感測技術實務 Automotive Sensing Technique Practice			3	3	汽車電子通訊技術實務 Automotive Electronic Communication Technique Practice			3	3
專業選修 Departmental Elective Courses	工業安全管理 Industrial Safety Management			2	2	品質管制 Quality Control			2	2	汽 P	汽車空調技術實務 Practice of Automobile Air Conditioning Technology			3	3	輔具概論 Introduction of Assistive Technology			3	3
												福祉載具設計 Design of Welfare Vehicle			3	3	車輛通訊與行控 Vehicle Communication and Control			2	2
												顧客服務技巧 Customer Relationship Service Method			2	2	汽車經營管理學與實務 Automobile Marketing Theory and Practice			2	2

小計 Subtotal Credits	9	9	10	10 小計 Subtotal Credits	10	10	10	사하 Subtotal Credits	16	17	14	15	小計 Subtotal Credits	12	12	18 18
								專題實務(一)(二) Project (1)(2)	1	2	1	2	車聯網技術應用 Vehicle to Everything Technology Application			3 3
								電動車電能系統概論 Introduction to electrical energy system of electric vehicle			2	2	工程倫理 Engineering Ethics			2 2

- 一本表適用111學年度科技學院僑生車輛零組件製造與修護技術專班入學新生適用。 1.不表適用111學年度科技學院僑生車輛零組件製造與修護技術專班入學新生適用。 1.This curriculum is applicable to students of Department of Vehicle Engineering, Overseas Bachelor Program of Chinese students Vehicle Parts Manufacturing and Repair Technology, Daytime Division of the four-year technical program admitted for the academic year 2022. 2.最低畢業總學分為128學分,其中基礎課程必修8學分、通識課程必修12學分、專業必修68學分,其餘40學分為專業選修學分數。
- The minimum credits for graduation is 128. This includes 20 credits courses required by the university and general education courses, "68" credits for department required courses, and the remaining "40" credits for elective credits 3.可至外条修讀相關課程,選讀外条課程需經本条主任與修讀外条課程主任同意。
  3.Relevant courses can be taken from other departments. However, approval from the head of your current department and the department offering the courses is required for selecting courses from other departments.

- 4.跨系學程證明之核發依本校學程設置辦法規定辦理。
- 1993年在歷刊企业及民产权产生或显洲区域之间在 4.The issuance of a certificate for completing an interdisciplinary Forgram shall be conducted in accordance with the regulations stipulated by the NKUT Interdisciplinary Establishment. 5.專班校外實習課程學分數最多36學分,與學習時數之對應基準為1學分實習80小時,校外實習依本校學生校外實習要點辦理。
- 5.The maximum credit for off-campus internship courses in specialized programs is 36 credits. The corresponding standard is 1 credit for 80 hours of internship. Off-campus internships shall be conducted in accordance with the NKUT Guidelines for Off-campus Internships. 6.本表業經条課程委員會(111.06.16)、學院課程委員會(111.06.23)、校課程委員會(111.06.27)審議通過。
  6.This curriculum list has been reviewed and approved by the Department Curriculum Committee (2022.06.16), College Curriculum Committee (2022.06.23), and University Curriculum Committee (2022.06.27).