

吳鳳科技大學 日間部 日四技 車輛科技與經營管理系 課程表 (112學年度入學學生適用)

The Curriculum Framework for the Four-Year Bachelor Program of the Department of Vehicle Engineering Department at WuFeng University for the 112 Academic Year

科目類別 (Categories of Courses)	第一學年(First Academic Year)						第二學年(Second Academic Year)						第三學年(Third Academic Year)						第四學年(Forth Academic Year)						小計 subtotal			
	上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)			學分 Credit	時數 Hour		
	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour	科目 Course Title	學分 Credit	時數 Hour				
基本素養 (Basic Literacy)	英文(一)/English(I)	3	3	英文(二)/English(II)	3	3	安全教育/Safety Education	1	1																			
	文學賞析與寫作 /Appreciation & Composition of Chinese Literature	2	2	語文能力表達/The ability of Expression in Chinese Language	2	2	專業倫理/Professional Ethics	1	1																			
	體育(一)/Physical Education(I)	2	2	體育(二)/Physical Education(II)	2	2	創意概論與智慧財產權 /Introduction to Originality and IPR	1	1																			
	勞作教育/Labor Education	1	1																									
	小計/subtotal	8	8		7	7		3	3		0	0		0	0		0	0		0	0		0	0		18	18	
公民素養 (Civic Literacy)							公民素養(一)/Civic Literacy(I)	2	2	公民素養(二)/Civic Literacy(II)	2	2																
	小計/subtotal	0	0		0	0		2	2		2	2		0	0		0	0		0	0		0	0		4	4	
院共同必修 (Courses required by the college)	微積分/Calculus	2	2	計算機概論 /Introduction to Computer	2	3	創意發明與智慧財產權 /Creativity and Intellectual Property	2	2																			
	小計/subtotal	2	2		2	3		2	2		0	0		0	0		0	0		0	0		0	0		6	7	
系專業必修 (Courses required by the department)	引擎檢修實務/Engine Maintenance	2	3	車輛電學實務/Vehicle Electricity Practice	2	3	底盤檢修實務/Vehicle Chassis Service and repair	2	3	車輛綜合檢修實務/Vehicle synthesis overhaul	2	3	實務專題(一)/Practice topic	1	1	實務專題(二)/Special Projects (II)	1	1										
	機械製圖/Mechanical Drafting	2	2	電動車輛整合概論 /Introduction to Electro-mechanical Integration of Electric Vehicles	3	3	車輛行銷實務/Vehicle marketing practice	3	3	柴油引擎檢修實務/Diesel engines overhaul	2	3	車廠管理與管理/Depot operation and management	2	2	技術報告撰寫/Technical Report Writing	2	2										
	車輛工程與原理/Vehicle Engineering and principle	2	2	管理學概論/Introduction to Management	3	3	電腦立體繪圖(一)/3D Computer Drafting(I)	2	2	創業管理實務 /Entrepreneurial Management Practices	2	2	車輛專業概論 /Introduction to Vehicle Business	2	2	零件庫房流程管理/Parts warehouse Process management	2	2										
	電動車輛概論 /Introduction to Electric Vehicles	3	3				邏輯概念與程式設計 /Logical concept and programming	2	3	電腦立體繪圖(二)/3D Computer-Aided Drafting (II)	2	2																
	小計/subtotal	9	10		8	9		9	11		8	10		5	5		5	5		0	0		0	0		44	50	
必修小計/Subtotal, Compulsory	19	20		17	19		12	14		12	14		7	7		5	5		0	0		0	0		72	79		
系專業選修 (Elective courses of the department)	燃料電池應用技術/Fuel Cell Application Technology			3	3	電動車輛系統應用實務 /Application Practice of Electric Vehicle Power	3	3	電動車輛動力系統應用實務 /Practices of Electric Vehicle Power Systems	2	3	電動機控制/motor control	3	3	引擎動力計及實習/Engine Dynamometer and Internship	2	3	焊接技術實習/Welding Technology Internship	3	3	逆向工程與快速原型 /Reverse Engineering and Rapid Prototyping	3	3					
	車輛元件設計/Design of Automobile Components			3	3	自動變速箱原理與實務 /Drive Mechanism Practice	3	3	車輛感測器檢修實務 /vehicle sensor overhaul	2	3	可程式控制器應用 /Programmable Controller Application	3	3	油電混合車檢修實務/Oil-electric hybrid vehicle inspection and maintenance practice	2	3	電腦輔助工程分析 /Computer Aided Engineering Analysis	3	3	未來車輛技術/future vehicle technology	3	3					
	車輛專業日文用語/Vehicle Terminology in Japanese			3	3	車輛門市服務管理/Vehicle store service management	3	3	車輛節能與防汙技術 /Vehicle energy saving and antifouling	2	3	液壓與氣壓實習 /Hydraulics and Pneumatics Laboratory	3	3	車輛金融保險/vehicle finance insurance	2	3	專用電子學/Automotive Electronics	3	3	重型機車修護實習/Heavy Locomotive Maintenance Internship	3	3					
						汽車修護專業日文/car repair professional Japanese	3	3										汽車空調實習/Auto Air Conditioning Practice	3	3	汽車美容實務/Car beauty practice	3	3					
																		工廠管理/factory management	3	3	工業安全與衛生/Industrial Safety and Health	3	3					
																		機車修護綜合實務 /Comprehensive practice of locomotive maintenance	3	3	校外實習(五)/Practical Training(5)	3	3					
																		校外實習(一)/Practical Training(1)	3	3	校外實習(六)/Practical Training(6)	3	3					
																		校外實習(二)/Practical Training(2)	3	3	校外實習(七)/Practical Training(7)	3	3					
																		校外實習(三)/Practical Training(3)	3	3								
																		校外實習(四)/Practical Training(4)	3	3								
該學期至少需選修學分/學時 minimum elective credits required for the semester	0	0		3	3		3	3		2	3		3	3		2	3		9	9		9	9		9	9	31	33
學分/學時小計 Subtotal, Credits/Hour	19	20		20	22		15	17		14	17		10	10		7	8		9	9		9	9		103	112		
潛能課程: 最多25學分 Potential courses: up to 25 credits	1. 通識選修: 最多4學分 1. General Education Learning Passport: Up to 4 credits 2. 社團發展: 最多6學分 2. Club Development: Up to 6 credits 3. 證照專利: 最多6學分 3. Certificate and Patent: up to 6 credits 4. 競賽展演: 最多6學分 4. Competition and Performance: up to 6 credits											5. 學程與跨系興趣選修: 最多為本系課程應修學分 5. Course and interdepartmental interest electives: up to credits required for this type of courses 6. 校外實習: 最多21學分 6. Field Practice: Up to 21 credits 7. 潛能課程相關課程詳細規定請參考「吳鳳科技大學潛能課程修課要點」辦理。 7. Please refer to "Key Points of Potential Courses of Wufeng University of Science and Technology" for detailed requirements of Potential Courses.																
潛能課程學分/學時建議 Potential course credit/hour recommendations	2	2		2	2		2	2		4	4		4	4		4	4		4	4		3	3		25	25		
畢業最低學分/學時 Total Number of Required Credit/Hour	21	22		22	24		17	19		18	21		14	14		11	12		13	13		12	12		128	135		
共同選修 Common Elective	1. 「全民國防教育軍事訓練」課程有五大領域: (一)國際情勢 (二)國防政策 (三)全民國防 (四)防衛動員 (五)國防科技。 1. The "National Defense Education and Military Training" course has five areas: (1) International Situation (2) National Defense Policy (3) National Defense (4) Defense Mobilization (5) National Defense Science and Technology.											2. 各領域均為0學分/2學時, 可折抵役期, 各領域每學期開設情況, 均依當學期教務處公告為準。 2. 0 credits/2 class hours in all fields, which can be deducted for service period. The courses of each semester are subject to the announcement of the Academic Affairs Office of the current semester.																
備註/Notes:	<p>一、校基本素養/Basic requirements of the university:</p> <p>1. 語文能力門檻: 依據「吳鳳科技大學學生英文能力畢業門檻實施要點」相關規定辦理。 Language Proficiency Threshold: It shall be handled according to the implementation of "Wufeng University Students' English Proficiency Requirements for Graduation Threshold." 2. 資訊能力門檻: 依據「吳鳳科技大學學生資訊能力畢業門檻實施要點」, 非資訊系(科)至少通過一種資訊基本能力認證測驗; 資訊系(科)至少需通過兩種資訊能力認證測驗。 Information Capability Threshold: According to the implementation of "Wufeng University students' information capability requirements for graduation threshold." Students of non-information departments (sections) must pass at least one basic information proficiency certification test. Students of the information department must pass at least two information proficiency certification tests.</p> <p>二、院基本素養/Basic requirements of the college:</p> <p>1. 學院必修科目為: 微積分、計算機概論、創意發明與智慧財產權。學生必須修習及格。 The compulsory subjects of the colleges: Calculus, Introduction to Computer, Creativity and Intellectual Property Right. Students must pass these courses.</p> <p>三、系所基本素養/Basic requirements of the department:</p> <p>1. 畢業學分數要求: 至少需取得128學分方可畢業, 其中包括(1)基本素養科目18學分(2)公民素養科目4學分(3)學院共同必修6學分(4)專業必修科目45學分(5)專業選修科目30學分(6)學程、跨系興趣選修與潛能課程25學分。 Regulations on the number of credits for each grade and semester: (1) From first to second year: 16-25 credits, (2) Third year: 14-25 credits, (3) Fourth year: 9-25 credits. 2. 各年級各學期修習學分數規定: (1)一-二年級: 16-25學分、(2)三年級: 14-25學分、(3)四年級: 9-25學分。 3. 校外實習須符合「吳鳳科技大學學生校外實習課程實施要點」, 據以認定實習成績。 The Practical Training must meet the "Implementation of Wufeng University Students' Practical Training Course" to determine the internship results.</p> <p>四、其他說明/Other remarks</p> <p>1.*表示需使用電腦課程。 Indicates that a computer course is required. 2.本系可因應計劃和產業需求修改選修課。 The department may modify elective courses according to the needs of the program and industry.</p> <p>五、訂(修)定歷程/Booking (Revised) History:</p> <p>1. 112.08.21 車輛與科技經營管理系112學年度第一學期第1次課程委員會通過; 112.08.24 安全工程學院112學年度第一學期第1次課程委員會通過; 112.09.05 112學年度第一學期第1次校課程委員會通過。 112/8/21 Department of Vehicle Technology and Entrepreneurship 112 academic year 1st semester, adopted by the 1 Curriculum Committee conference; 112/8/24 112 academic year 1st semester, adopted by the 1 College of Safety Engineering Curriculum Committee; 112/9/05 112 academic year 1st semester, adopted by the 1st Curriculum Committee conference.</p>																											