Chienkuo Technology University Academic Year 115 Admission - 4-Year ProgramDepartment of Mechanical Engineering (Advanced Vehicle Group) International Student Industry-Academia Collaboration Program Curriculum

Category		1st Year					2nd Year					3rd Year					4th Year					Total	
		Course	1st Sem		2nd Sem		Course	1st Sem		2nd Sem		Course	1st Sem		2nd Sem		Course	1st Sem		2nd Sem			
			Cred	Hrs	Cred	Hrs		Cred	Hrs	Cred	Hrs		Cred	Hrs	Cred	Hrs		Cred	Hrs	Cred	Hrs	Cred	Hrs
Common Required Courses		Mandarin	5	10	5	10	Practical Chinese	2	2			Chinese Society	2	2									
		English	2	2	2	2	Workplace	2	2			History and			2	2							
		Sports and Health	2	2																			
		Sports and Health			2	2																	
		Mandarin Tutoring	5	5	5	5																	
		Subtotal	9	14	9	14		4	4	0	0		2	2	2	2		0	0	0	0	26	36
Professional Required Courses		Basic Automotive Electricity and	3	3			Industry Internship (I)	6	6			Industry Internship (III)	6	6			Diesel Engine Maintenance	3	3				
		Motorcycle Engine Structure Principles and Disassembly			3	3	Industry Internship (II)			6	6	Introduction to Electric Vehicles	3	3			Intelligent Vehicle Safety Systems	3	3				
							Motorcycle Body Structure Principles and	3	3			Electric Motorcycle Technology and	3	4			Vehicle Sensors and Controls			3	3		
							Gasoline Engine Structure Principles and	3	3			Computer-Aided Drafting	2	3			Engineering Ethics and Regulations			3	3		
							Computer Software	2	2			Mechanisms			3	3							
							Automotive Chassis			3	3	Applied Vehicle Materials			3	3							
							Applied Mechanics			3	3	Electric Vehicle Control Technology and			3	4							
							Introduction to Advanced Vehicle			3	3												
		Subtotal	3	3	3	3		14	14	15	15		14	16	9	10		6	6	6	6		
Required			12	17	12	17		18	18	15	15		16	18	11	12		6	6	6	6	96	109
Professional Elective Courses	Professional Elective Courses	Automotive Maintenance			3	3	Vehicle Factory Equipment	3	3			Industry Internship (IV)			6	6	Industry Internship (V)	6	6				
		Benchwork Practice	3	3			Railway Vehicles	3	3			Vehicle Air Conditioning Principles and	3	3			Industry Internship (VI)			6	6		
							Vehicle Detailing Technology			3	3	Advanced Vehicle Electronic			2	2	Advanced Intelligent In-	3	3				
							Automotive Electrical System Diagnosis and			3	3	Vehicle Electronic Equipment Practice			1	2	Vehicle Marketing Management	3	3				
							Comprehensive Motorcycle			3	3	Automatic Transmission			3	3	Computer-Aided Engineering			3	3		
												Used Vehicle and Accident			3	3	Vehicle Service Industry			3	3		
	Internship Alternatives						Automotive Certification (I) -	3	3			Motorcycle Certification (I) -	3	3									
							Automotive Certification (II) - Diesel Engine	3	3			Motorcycle Certification (II) - Electrical System	3	3									
							Automotive Certification (III)	3	3			Motorcycle Certification (III)	3	3									
							Automotive Certification (IV) - Electrical			3	3	Motorcycle Certification (IV) - Comprehensive	3	3									
							Automotive Certification (V) - Comprehensive			3	3												

Remarks

1. Minimum graduation credits: 144, including 96 required credits and at least 48 elective credits.
2. Mandarin Tutoring is not included in graduation credits.
3. Industry Internship (I/II/III/IV/V/VI) are off-campus internship courses. The course credits/hours are 6/6, but off-campus internship hours are 24 hours per week.