

黎明技術學院日間部四年制技術系車輛工程系 標準課程表

LEE-MING Institute of Technology, Day Division, Four-Year Technical Program, Department of Vehicle Engineering, Standard Curriculum Framework

111學年度入學學生適用

Applicable to Students Enrolled in the Academic Year 111

110.12.08 110學年度第1學期第3次校課程委員會通過

111.04.21 110學年度第2學期第2次校課程委員會修訂

最後修改日期：

LastUpdateDate:

111學年度(一年級)					112學年度(二年級)					113學年度(三年級)					114學年度(四年級)					累計		畢業			
Academic Year 111(1st Academic Year)					Academic Year 112(2nd Academic Year)					Academic Year 113(3rd Academic Year)					Academic Year 114(4th Academic Year)					Subtotal		Graduation			
類別 Category	科目 Subject	上學期 1st Sem.		下學期 2nd Sem.		科目 Subject	上學期 1st Sem.		下學期 2nd Sem.		科目 Subject	上學期 1st Sem.		下學期 2nd Sem.		科目 Subject	上學期 1st Sem.		下學期 2nd Sem.		學分 Credits	時數 Hours	學分 Credits	時數 Hours	
		學分 Credits	時數 Hours	學分 Credits	時數 Hours		學分 Credits	時數 Hours	學分 Credits	時數 Hours		學分 Credits	時數 Hours	學分 Credits	時數 Hours		學分 Credits	時數 Hours	學分 Credits	時數 Hours					
共同科目 必修 Required General Courses	[00001393]服務學習課程一 Service Learning I	0	1			[00001414]英語會話 English Conversation	2	2			□					□									
	[00001485]體育一 Physical Education I	2	2			[00012538]英文一 English I	2	2			□					□									
	[00012567]國文一 Chinese I	2	2			[00012539]英文二 English II			2	2	□					□									
	[00012568]國文二 Chinese II			2	2	□					□					□									
	[00001394]服務學習課程二 Service Learning II			0	1	□					□					□									
	[00014042]邏輯運算思維 Logic and Computational Thinking			2	2	□					□					□									
	[00001487]體育二 Physical Education II			2	2	□					□					□									
小計 / Subtotal		4	5	6	7	小計 / Subtotal	4	4	2	2	小計 / Subtotal					小計 / Subtotal					16	18	16	18	
院訂(專業必修) College-Specific Required Professional Courses	[00014604]職場倫理 Workplace Ethics	2	2			[00014611]工程管理 Engineering Management			2	2	□					□									
	[00014605]產業論壇 Industry Forum	2	2			□					□					□									
小計 / Subtotal		4	4			小計 / Subtotal			2	2	小計 / Subtotal					小計 / Subtotal					6	6	6	6	
專業必修 Professional Required Courses	[00004074]車輛工程與實習(1)* Vehicle Engineering and Practice I	2	3			[00004086]車輛電子學* Vehicle Electronics	3	3			[00013756]鉸金學與實習* Sheet metal and practice	3	3			□									
	[00014237]車輛噴射引擎* Vehicle injection engine			3	3	[00016165]車輛維修實習(1)* Vehicle Maintenance Particle(1)	3	3			[00014238]電動車輛概論* ntroduction to electric cars	2	2			□									
	□					[00004104]動力學 dynamics			2	2	[00006278]車輛實務專題(1)* Vehicle Design Project I	3	3			□									
	□					[00010343]熱力學 Thermodynamics			2	2	[00006279]車輛實務專題(2)* Vehicle Design Project II			3	3	□									
	□					[00016166]車輛維修實習(2)* Vehicle maintenance practice II			3	3	[00013895]車輛設計實務* Vehicle Design			3	3	□									
小計 / Subtotal		2	3	3	3	小計 / Subtotal	6	6	7	7	小計 / Subtotal	8	8	6	6	小計 / Subtotal					32	33	32	33	
專業選修 Professional	[00016025]車輛工程概論	3	3			[00016167]車輛科技概論	3	3			[00014073]智慧型車輛*	3	3			[00019103]電動車整合工程	1	1							

Elective Courses	Introduction to Vehicle Engineering					Introduction to Vehicle Technology				Smart Vehicle				師證照輔導 Electric vehicle integration engineer certification guidance					
	[00015587]網路概論 Introduction to the Internet	2	2			[00014071]機車維修與檢驗(1)* Motorcycle Maintenance and Inspection I	2	3		[00004106]專利創作實務 practical patent writing	3	3		[00013321]暑期校外實習* Chūqī xiàowài shíxí	4	4			
	[00016026]靜力學 Statics	2	2			[00004071]內燃機* Internal Combustion Engine	3	3		[00017062]燃料電池概論* Computer network	3	3		[00014074]學期校外實習(一)* Extracurricular Practice(1)	9	9			
	[00015618]能源應用 Energy Applications	2	2			[00010344]專案管理 Project Management	3	3		[00010348]車輛肇事鑑定概論* Vehicle accident identification Introduction	3	3		[00010351]車廠佈置與管理 Depot layout and management	2	2			
	[00016027]電腦輔助製圖* computer-aided drafting			3	3	[00016168]車輛傳動系統* Vehicle Drive System		3	3	[00013702]油電混合車檢測實務* Gasoline hybrid vehicle testing			3	3	[00018790]車輛專業術語應用 Vehicle terminology application	2	2		
	[00015559]行銷實務 Marketing practice			2	2	[00013700]車聯網系統應用 Vehicle Internet systems application		3	3	[00017812]車體板金與實習 Body sheet metal and internship			3	3	[00010326]車輛診斷實務* Vehicle Diagnostic Practice	3	3		
	[00015560]創意美學概論 Introduction to Creative Aesthetics			2	2	[00017811]機車維修與檢驗(2) Motorcycle Maintenance and Inspection II		3	3	[00017811]機車維修與檢驗(2) Motorcycle Maintenance and Inspection II			3	3	[00006276]車輛電腦輔助設計* Vehicle Computer-Aided Design	3	3		
	[00004075]車輛工程與實習(2)* Vehicle Engineering and Practice II			2	3	[00015586]計算機程式 Computer Program		2	2	[00004077]車輛生產管理實務 Vehicle Production Management Practices			3	3	[00014127]熱傳學與實習* Heat Transfer and Lab	3	3		
	[]					[00012587]車輛電子控制系統* Vehicle electronic control system		2	3	[00004097]奈米科技概論 Introduction to Nanotechnology			3	3	[00010355]整車試作實務* Vehicle trial practice	3	3		
	[]					[]				[00004094]車輛銷售與服務* Vehicle sales and service			3	3	[00006292]機電整合實習* Mechatronics and Lab	3	3		
	[]					[]				[]				[00013757]工業安全 Industry safety		2	2		
	[]					[]				[]				[00013695]接待技巧實務* Reception skills and practices		2	2		
	[]					[]				[]				[00013691]車輛廢氣汙染與控制* Cheliàng fèiqì wūrǎn yǔ kòngzhì		3	3		
	[]					[]				[]				[00013741]感測器與物聯網 Sensor and IOT		3	3		
	[]					[]				[]				[00010352]軌道車輛 Rail vehicle		3	3		
	[]					[]				[]				[00004078]車輛空調* Vehicle Air Conditioning		3	3		
	[]					[]				[]				[00013758]電腦輔助機構設計* Computer Aid Mechanism Design		3	3		
	[]					[]				[]				[00010356]氣壓實務* Air pressure practice		3	3		

																[00019102]汽車板金簡易塑型與估價 Simple shaping and valuation of automobile sheet metal			1	1							
																[00014075]學期校外實習(二)* Extracurricular Practice(2)			9	9							
小計 / Subtotal		9	9	9	10	小計 / Subtotal		11	12	13	14	小計 / Subtotal		12	12	18	18	小計 / Subtotal		33	33	32	32	137	140	62	58
通識科目 選修 General Education Elective Courses	[00001382]生命教育類 Life Studies Field	2	2			[00001369]人文藝術類 Literature and Art Studies		2	2			[00001391]自然科學類 Natural Sciences Field		2	2			[00001406]社會科學類 Sociology Studies		2	2						
	[00001406]社會科學類 Sociology Studies	2	2			[00001391]自然科學類 Natural Sciences Field		2	2			[00001406]社會科學類 Sociology Studies		2	2			[00001382]生命教育類 Life Studies Field		2	2						
	[00001369]人文藝術類 Literature and Art Studies	2	2			[00001406]社會科學類 Sociology Studies		2	2			[00001369]人文藝術類 Literature and Art Studies		2	2			[00001391]自然科學類 Natural Sciences Field		2	2						
	[00001391]自然科學類 Natural Sciences Field	2	2			[00001382]生命教育類 Life Studies Field		2	2			[00001382]生命教育類 Life Studies Field		2	2			[00001369]人文藝術類 Literature and Art Studies		2	2						
	[00001391]自然科學類 Natural Sciences Field			2	2	[00001382]生命教育類 Life Studies Field				2	2	[00001382]生命教育類 Life Studies Field				2	2	[00001391]自然科學類 Natural Sciences Field			2	2					
	[00001382]生命教育類 Life Studies Field			2	2	[00001391]自然科學類 Natural Sciences Field				2	2	[00001369]人文藝術類 Literature and Art Studies				2	2	[00001382]生命教育類 Life Studies Field			2	2					
	[00001369]人文藝術類 Literature and Art Studies			2	2	[00001406]社會科學類 Sociology Studies				2	2	[00001406]社會科學類 Sociology Studies				2	2	[00001369]人文藝術類 Literature and Art Studies			2	2					
小計 / Subtotal		8	8	8	8	小計 / Subtotal		8	8	8	8	小計 / Subtotal		8	8	8	8	小計 / Subtotal		8	8	8	8	64	64	12	12
合計 / Total		27	29	26	28	合計 / Total		29	30	32	33	合計 / Total		28	28	32	32	合計 / Total		41	41	40	40	255	261	128	127
畢業門檻 / Graduation Requirements		1. 學生在校學習期間必須至少取得一張以上專業證照或加修二學分以上課成程 Students must obtain at least one professional certification or complete additional coursework of two credits or more during their study period at school. 2. 通過「校外英語文能力測驗」或「校內英語文能力檢定」。 Pass the "External English Proficiency Test" or the "Institutional English Proficiency Assessment". 3. 通識選修課程修滿12學分，四大領域每類至少需修2學分。 Complete at least 12 credits of General Education Elective Courses , Each of the four major areas requires at least 2 credits.																									
備註 / Remarks		.科目具*號標示者為「實作課程」 Courses marked with an asterisk (*) are “Practical Courses”.																									