## 明志科技大學四技部 112學年度入學 電子工程系 課程總表

113/04/09 校課程委員會審議通過

																			113/04/09 校課程委員會審論 113/03/28 院課程委員會審論 113/02/20 系課程委員會審論
		科 目 名 稀		上 時數	學分	·下 時數	學分	上 時數	學分	下 時數	三. 學分	上 時數	學分	下 時數	學分	上 時數	學分		備註
	**	文學鑑賞與情意表達(Appreciation of Literature and Emotional Expression) 藝文涵養與社會參與(Art Literacy and Social Participation)	2	2	2	2													
	基礎	永續發展與社會實際(Sastainable Development and Social Practice) 生活與職場英文(一)(二)( English for Life and Business I、II)	1 3	1	3	3													
#	課程	體育(一)~(四)(Physical Education I~IV)	1	2	1	2	1	2	1	2									
同	22 58	全民國防教育軍事訓練(一)(二)(All-out Defense Education Military Training I、II) 社會哲學領域(Social Philosophy)	0	2	0	2	3	3											「重政與法治」、「歷史思辨」課程二择
必修 (41學分)	分	英語聯講(一)(二)(Aural-Oral English I、II) 英文實務(一)-(二)(Practical English I、II)	H				1	2	1	2					1	2	1	2	
	_	숌 하	7	10	6	9	5	7	2	4	0	0	0	0	i	2	i	2	
	板共心2	大學之證(The Goal of University Education) 設計思考(Design Thinking)		2	1	1													
	課學 程分	勤勞教育(Labor Education) 会計	0	0.5	0	0.5	0	0	0	0	0	0	0	0	0	0	0	0	
	校へ	實習前職場素養訓練(Professionalism Prior to Practical Training)	Ė		Ė	_	Ď		Ť	_	1	1			_			Ť	
	共17 同學	工讀實務實習(二)( Curricular Practical Training I ) 工讀實務實習(二)( Curricular Practical Training II )											4						
	課分		H				-					-	4						
	程)	습 하	0	0	0	0	0	0	0	0	1		16	0	0	0	0	0	
	院( 專13	實習前技術訓練(Hands-on Courses Prior to Curricular Practical Training) 養殖物理(General Physics)	3	3							1	2							
	業學 必分	微積分(一)(二)(Calculus I & II) 工程數學(一)(Engineering Mathematics I)	3	3	3	3	3	3											
	修一	合 計	6	6	3	3	3	3	0	0	1	2	0	0	0	0	0	0	
		程式設計實務(Software Design Practice) 數位邏輯設計實務(Digital Logic Design Practice)	2	3															
		線性代數(Linear Algebra) 電路佈局實務(Electronic Circuit Layout Practice)	3	3	2	2													
旗		電子學(一)(Electronics I)			3	3													
棄	糸	電路學(Electrical Circuit Analysis) 電子學實習(一)(Electronics Laboratory D		L	3	3	1	3	Ы		Ы		_		L	L	Ŀ	Ŀ	
54 學	專業	電子學に/(Electronics II) 電子學實習(二)(Electronics Laboratory II)	П				3	3	1	3	Н								
分分	45	工程數學(二)(Engineering Mathematics II)							3	3	Ш								
_	修 41 學 分	電子電路模擬實務(Electronic Circuit Simulation Practice) 專題製作(一)(Special Topic Study I)		L	Ŀ	Ŀ	Ŀ	L	2	3 2	H				L	L	Ŀ	Ŀ	
		情報現名統(Signals and Systems) 専顕製作(二XSpecial Topic Study II)	П								3	3							
	75	機率與統計(Probability and Statistics)									3	3							
	1	工程倫理與專業實務講座Engineering Ethics and Practical Training Chair Lectureship) 通信原理(Communication Theory)	H	-	$\vdash$		$\vdash$	-	$\vdash$		$\vdash$			-	3	2			
	1	### BEN Special Topic Study III) 専題製作(図)(Special Topic Study IV)	$\Box$												1	2	2	2	
		母題報(F(ESAS)ectal Topic Study IV) 合計	8	9	8	9	4	6	7	11	7	8	0	0	5	7	2	2	
共至同少	捕																		
○8 應學	额	<ul><li>一、開課清冊請參考「通端課程彙總表」。</li><li>二、通識五類型課程「語言與全球化、人文藝術、社會研究與未來趨勢、自然科學、自主學習類」</li></ul>																	
修分	遊修	,任選四類各 2 學分,合計至少8學分。																	
単~		科技英文閱讀與聽力訓練(一)(Technical English:Reading and Listening (I))	0	1			_	_				_	_						<b>荣嬰學分學程課程</b>
	_	科技英文閱讀與聽力訓練(二)(Technical English:Reading and Listening (II))	Ŭ	_	0	1													荣要學分學程課程
Pole.	院開	科技英文閱讀與聽力訓練(三)(Technical English:Reading and Listening (III)) 科技英文閱讀與聽力訓練(四)(Technical English:Reading and Listening (IV))	H	_			0	1	0	1				_	_	_			荣譽學分學程課程 荣譽學分學程課程
院專	專設 案12	科技英文閱讀與聽力訓練(五)(Technical English:Reading and Listening (V))									0	1			2	2			榮譽學分學程課程 榮譽學分學程課程
薬	選學修分	科技英文簡報與表達(一)(Scientific Presentation in English(I)) 科技英文簡報與表達(二)(Scientific Presentation in English(II))													3	3	3	3	宗營学27学程課程 荣譽學分學程課程
	2	特色專題(一)(Senior Capstone Project(I)) 特色專題(二)(Senior Capstone Project(II))	H				_			_				_	3	6	3	6	榮譽學分學程課程 榮譽學分學程課程
	ــــ	승 計	0	1	0	1	0	1	0	1	0	1	0	0	6	9	6	9	
	1	基本電學(Preliminary Course of Electronic Engineering) 電腦輔助資料を達於工程之應用(Computer-Aided Engineering Data Presentation)	3	3															系共同選修 系共同選修
		人工智慧概論(Introduction to Artificial Intelligence) 專題初採(Special Project Exploration)	Н		3	3	-												系共同類條、不可磨條通識「人工智慧# 系共同遺條(装期開開)
		專題實務(Special Project Practice)					1	1											永共同價值
		電路分析與合成(Circuit Analysis and Synthesis) PCB電路佈線實務(PCB Layout Practice)					3	3			3	3							系共同選修 系共同選修
		科技英文(Technical English) 化工產業之機電實務講評(Lectures on electro-mechanical engineering practice for chemical industry)	Н				-								3	3			系共同選修、全英文課程 系共同選修
		科技英文進階(Advanced Technical English)													_	_	3	3	系共同選修、全英文課程
		網路機論(Introduction to Computer Network) 嵌入式系統(Embedded Systems)	Н		3	3	3	3											育工系統模組必須完成選修設 育工系統模組必須完成選修設
		嵌入式系統實務(Embedded Systems Practice) 計算機結構(Computer Architecture)	Н						3	3	3	3							資工系統模組必須完成選修設 資工系統模組必須完成選修設
	1	FPGA/CPLD實務(FPGA and CPLD Practice)			3	3													寄工系統模組選修
	1	程式設計與資料結構實務(Language Programming and Data Structures Practice) 人工智慧基礎程式設計(Artificial Intelligence Basic Programming)			3	3	3	3	ы										資工系統模組選修 資工系統模組選修
	1	網路實務(Network Practice) 物件媒向程式設計實務(Object-Oriented Programming Practice)	П				3	3			Н	=							寄工系統模組選修 寄工系統模組選修
		微處理機應用(Microprocessor Principle and Application)					Ĺ	,	3	3									資工系統模組選修
	糸	▲統置式(System Programming) 網路實務維附(Advanced Network Practice)		<u> </u>			L		3	3	3	3			<u> </u>	<u> </u>		H	<b>實工系統模組辦修</b> 資工系統模組選修
專		ROS部開放合作 新 ROS Firmware Design Practice)	П						3	3	3	3							寄工系統模組選修 <b>管工系統模組選修</b>
來	쐜	Android應用程式開發實務(Android Apps Design)							3	3			3	3					資工系統模組選修、遠距
應	195	人工智慧技術實務(Artificial Intelligence Technology Practice) 車載嵌入式系統(Vehicle Embedded Systems)	$\vdash$		$\vdash$		$\vdash$		$\vdash$		$\vdash$		3	3	3	3		$\vdash$	資工系統模組選修、遠距 資工系統模組選修
135 45	開設	Python機器學習應用實務技術(Python Machine Learning Application Technology)	H								H				3	3			資工系統模組選修
學	157	網路資料解設計(Network Programming and Database Design) 雲端底擬化工程實務(Practice of Cloud Virtualization Engineering)													3	3	3	3	寄工系統模組選修 寄工系統模組選修
分	學分	車輛通訊與行標(Communication and Control of Telematics) 數位:信號處理(Digital Signal Processing)	$\vdash$		$\vdash$		$\vdash$		$\vdash$		$\vdash$	-	-				3	3	資工系統模組選修 資工系統模組選修
	0	光電科學(Optoelectronics Science)			3	3		3										É	微電子模組必須完成選修課程
	1	近代物理(Modern Physics) 因姚電子學(Solid-state Electronics)					3	3	3	3									微電子模組必須完成選修課 機電子模組必須完成選修課
	1	半導體元件(Semiconductor Devices) 養殖化學(General Chemistry)	H		3	3					3	3							微電子模組必須完成選修課 微電子模組選修
	1	光電工程實務(Electro-optical Engineering Practice)	曰		3	3													微電子模組選修
		半導體工程(Semiconductor Engineering) 半導體材料檢測(Semiconductor Materials Characterization)					3	3											微電子模組選修 微電子模組選修
		光電子學(Optoelectronics) 高速電路(High-Speed Circuits)	П		F		Ε		3	3	H	$\exists$	$\exists$					F	微電子模組選修 微電子模組選修
		電磁學(Electromagnetics)							3	3									微電子模組選修
	1	電子學(三)(Electronics III) 光電應用實務(Applied Optoelectronic Practice)	Н	-	$\vdash$		$\vdash$	-	3	3	3	3	-		-	-	$\vdash$	$\vdash$	微電子模組選修 微電子模組選修
		RF電路設計(RF Circuit Design)	H								3	3							微電子模組選修
	l	画際限場元件(Solid State Lighting Devices) 半海間封場(Semiconductor Package)									3	3			3	3			微電子模組選修 微電子模組選修
		半導體產業實務講座(Lectures on Semiconductor Industry)	ı T				<u> </u>	_		-	H	-		-	3	3	3	3	微電子模組選修 微電子模組選修
		半導體测验(Semiconductor Testing) MOS電路分析與機職(MOS Circuit Analysis and Simulation)					3	3	-	0								É	資工系統模組、微電子模組別
		半導體測試(Semiconductor Testing)					3	3	3	3	3	3							寄工系統模組、微電子模組貨 寄工系統模組、微電子模組貨 寄工系統模組、微電子模組貨 寄工系統模組、微電子模組貨

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