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專業必修課程 Required for majors	機械製圖 Engineering Graphics	3	3			3												實務課程 Practice 使用電腦 Use computer	
	材料力學 Mechanics of Materials	3	3				3												
	校外實習(一) Internship(I)	6	24					24										實務課程 Practice	
	電腦輔助立體繪圖 Computer Assisted Isometric Drawing	3	3						3									實務課程 Practice 使用電腦 Use computer	
	校外實習(二) Internship(II)	6	24						24									實務課程 Practice	
	機構學 Mechanism	3	3							3									
	校外實習(三) Internship(III)	6	24								24							實務課程 Practice	
	機械設計 Mechanical Design	3	3									3							
	機械材料試驗 Testing for Mechanical Materials	3	3										3					實務課程 Practice	
	電機實驗 Experiment of Electrical Machine	3	3												3			實務課程 Practice	
合計 Total		60	114	12/12		12/12		9/27		9/27		9/27		6/6		3/3		0/0	學分/時數 Credits/Hours
專業選修課程(至少應修) Professional elective courses (at least required)		42	42	2/2		2/2		3/3		3/3		3/3		6/6		11/11		12/12	
總計 Total		128	192	22/32		24/24		14/32		14/32		14/32		14/14		14/14		12/12	
畢業應修128學分=共同必修22學分+通識課程4學分+專業必修60學分+專業選修42學分。 Graduation requires 128 credits=22 credits of common compulsory courses+4 credits of breadth requirements+60 credits of required majors + 42 credits of major electives (elective credits include cross-department elective credits)																			

科目類別 Subject Category	科目名稱 Subject Name	學分數 Number of credits	時數 Hours	Types																備註 Remarks	
				第一學年 1st Year				第二學年 2nd Year				第三學年 3rd Year				第四學年 4th Year					
				上1st Semester		下 2nd Semester		上 1st Semester		下 2nd Semester		上 1st Semester		下 2nd Semester		上 1st Semester		下 2nd Semester			
				授課L	實習P	授課L	實習P	授課L	實習P	授課L	實習P	授課L	實習P	授課L	實習P	授課L	實習P	授課L	實習P		
專業選修課程 Professional electives	感測器原理及應用 (校外實習替代課程) Sensor Principle and Application (Substituting subject for Internship II)	3	3								3									實務課程 Practice	
	工廠管理 Factory Management	3	3							3											
	機車檢診實習 (校外實習替代課程) Practice for Examining Motorcycles (Substituting subject for Internship II)	3	3									3								實務課程 Practice	
	氣壓實習 Practice of Pneumatic Control	3	3									3								實務課程 Practice	
	電腦輔助機械設計製圖 (校外實習替代課程) Computer-Aided Design and Drafting (Substituting subject for Internship III)	3	3											3						實務課程 Practice 使用電腦 Use computer	
	噴射機車實務 (校外實習替代課程) Practice for Injection Motorcycles (Substituting subject for Internship III)	3	3												3					實務課程 Practice	
	電機學 Electrical Machine	3	3										3								
	自動化工程應用 Automation Engineering	3	3												3						
	車輛工程實習 Practice of Vehicle Engineering	3	3														3			實務課程 Practice	
	校外實習(四) Internship(IV)	6	24													24				實務課程 Practice	
	品質管制 Quality Control	2	2														2				
	機電整合 Mechatronics	3	3														3				
	綠色能源工程 Engineering for Green Energy	3	3														3				

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