

For the 115th Academic Year

南亞技術學院 國際學生產學合作專班日間部四年制 機械工程系 科目表
Nanya Institute of Technology Undergraduate 4-year Daytime Program
Department of Mechanical Engineering International Student Curriculum Standards
L=lecture, P=practice

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專業必修課程 Required for majors	機械材料 Mechanical Materials	3	3			3													
	精密量具與實習 Precision Metrology and Experiment	3	3				3												實務課程 Practice
	數控工具機實習 CNC Practice	3	3				3												實務課程 Practice
	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	
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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