吳鳳科技大學 日間部 四技 機械與智慧製造工程系 課程表 (114 學年度入學學生適用)

The Curriculum Framework for the Four-Year Bachelor Program of the Department of Mechanical and Intelligent Manufacturing Engineering at WuFeng University for the 114 (2025) Academic Year

科	(Cate of Co		rst Academic Year)		第二學年(Second Academic Year)						第三學年(Third Academic Year)						第		小計								
類 其 9		上(First Semester) 科目 學分		下(Second Semeste		ster) 學分 時		上(First Semeste 科目	與八 時		下(Second Semes 數 科目		時数 Hou	上(First Semeste	與八 時數		下(Second Semes 科目	與八 時數		上(First Semest		時數	下(Second Semes 科目	與八時數		sul 學分	btotal 時數
別	ries ses)	Course Title	Credit	Hou	Course Title	子分 Credit	Hour		子分 Credit	Hou	Course Title	學分 Credit	Hou	Course Title	子 ガ Credit	Hou	Course Title	子 分 Credit		Course Title	子分 Credit	Hou	Course Title	子分 Credit	Hou	子分 Credit	Hour
		英文(一)/English (I)	3	3	英文(二)/English (II)	3	3	安全教育/Safety Education	1	1			_						╙			\perp			┙	<u> </u>	
		文學賞析與習作 /Appreciation & Composition of Chinese Literature	2	2	語文能力表達/The ability of Expression in Chinese Language	2	2	專業倫理/Professional Ethics	1	1																	
		體育(一)/Physical Education I	2	2	體育(二)/Physical Education II	2	2	創意概論與智財權 /Introduction to Creativity &	1	1																	
	асу)	勞作教育/Labor Education	1	1																					\Box		
		小計/subtotal	8	8		7	7		3	3		0	0		0	0		0	0		0	0		0	0	18	18
	(Civie										公民素養(一)/Civic Literacy(I)	2	2	公民素養(二)/Civic Literacy(II)	2	2									\Box		
	Literac	小計/subtotal	0	0		0	0		0	0	Literacy (1)	2	2	Encracy(II)	2	2		0	0		0	0		0	0	4	4
	y) req				電腦實務與程式應用*/								\vdash						+		—	\vdash			\vdash		
	Courses quired by college)	微積分 / Calculus	2	2	Computer Practice and Program Application	2	2																	, /	, !	'	
	ge by "	小計/subtotal	2	2		2	2		0	0		0	0	2. 佐藤の上の1 - 知報	0	0		0	0		0	0		0	0	4	4
	(Courses required	精密量測 / Precision Metrology	2	2	工廠實習 / Work Shop Practice	1	2	數控工具機(一)*/CNC Machine Tool I	2	3	数控工具機(二)*/CNC Machine Tool II	2	3	計算機程式與人工智慧 概論*# / Introduction to Computer Programming and AI Technology	2	2	機械設計 / Mechanical Design	3	3								
1		機械製造 / Manufacturing Processes	2	2	工業4.0概論 / Introduction to Industry 4.0	2	2	電機學 / Introduction to Electrical Engineering	2	2	機構學 / Mechanicism	2	2	熱力學 / Thermodynamics	3	3	實務專題 / Mechanical Project	1	1								
系專業 必修		機械製圖 / Mechanical Drafting	2	2	工程材料 / Engineering Materials	2	2	電腦立體繪圖(一)*/3D Computer Drafting I	2	2	電腦立體繪圖(二)*/3D Computer Drafting II	2	2	多輪加工實務* / Practice on Multi-Axis Machining	2	2	Toject								\Box		
	required by the depa	Draiting			應用力學 (一) / Applied Mechanics I	2	2	應用力學 (二) / Applied Mechanics II	2	2	材料力學 / Mechanics of Material	3	3	液氣壓學與實習 / Hydraulics and Pneumatics Laboratory	2	3											
	epartment)							エ程數學(一) / Engineering Mathematics I	3	3				浄寒碳規劃管理概論 / Introduction to the Net Zero Carbon Planning and	2	2											
		্যা ই†/subtotal	6	6		7	8		11	12		9	10	Management	11	12		4	4		0	0		0	0	48	52
必	修小計/	Subtotal, Compulsory	16	16		16	17		14	15		11	-		13	_		4	4		0	_		0	0	74	78
								可程式控制器應用 / The Application of Programmable Logical Controller	2	2	工業4.0智慧工廠 / Industry 4.0 Intelligent Factory	2	2	電腦立體繪圖(三)*/3D Computer Drafting III	2	2	管理學概論 / Introduction to Management	2	2	校外實習(一)	3	3	校外實習(四)	3	3		
								工業安全與衛生 / Industrial Safety and Sanitation	2	2	工程數學(二) / Engineering Mathematics	2	2	智慧型機器人 (一)*/ Intelligent Robot I	2	2	智慧型機器人 (二)*#/ Intelligent Robot II	2	2	校外實習(二)	3	3	校外實習(五)	3	3	'	
								精密製造 / Precision Manufacture	2	2	智慧製造技術 / Wisdom manufacturing technology	2	2	傳動機構實務 / transmission Mechanism	2	2	流體力學 / Fluid Mechanics	2	2	校外實習(三)	3	3	校外實習(六)	3	3		
	(Elective courses of the department)							製造聯網整合技術*/ Manufacturing Networking Integration Technology	2	2	模具學 / Moldology	2	2	CPS製造技術 / CPS Manufacturing Technology	2	2	電腦輔助工程分析*/ Computer Aided Engineering Analysis	2	2								
系專											品質管制 / Quality Management	2	2	作業研究 / Operation Research	2	2	逆向工程與快速原型/	2	2								
業選修											綠色能源概論 / Introduction to Green Energy	2	2	物聯網與大數據於智慧 製造應用 / Applications to IoT and Big Data in	2	2	機械振動學 / Mechanical Vibration	2	2								
											Line			Smart Manufacturing			冷凍空調概論 / Introduction to	2	2			\vdash					
							+			-							Refrigeration and Air 電子裝置散熱實務 / Heat	2	1 2		—	\vdash		-	\vdash		
							_										Emmision of Electronic ESG企業永續概論/	2	-			-			\vdash	<u> </u>	
	-																Introduction to ESG Enterprise Sustainability	2	2					, /	, !	'	
																	Enterprise Sustamatinity				_	\equiv			\Box		
		少需選修學分/學時 tive credits required for the	0	0		0	0		4	4		6	6		6	6		8	8							24	24
		分/學時小計 al, Credits/Hour	16	16		16	17		18	19		17	18		19	20		12	12		0	0		0	0	98	102
潛能課			分 1. G	eneral	Passport: Up to 4 credits						'						「吳鳳科技大學學程、跨等					5. Plea	se refer to "Wufeng Universit	ty	\neg		
至多30 Potentia		2. 社團發展: 最多4學分												Regulations on Academic P	rogram	s, Cro	ss-Disciplinary Electives, Off	f-Camp	ous Inte	rnships, and Potential Cours	s".				- !		
courses:	up to				果程應修學分 3. Course and inter Practice: Up to 18 credits	departme	ental inte	erest electives: up to credits required	for this ty	pe of co	urses															i '	
30 credi	潛能課	程學分/學時建議	2	2		2	2		2	2		2	2		0	0		4	4		9	9		9	9	30	30
	畢業:	urse credit/credit hour 最低學分/學時	18	18		18	+		20	21		19	+-		19	20		16	16		9	9		9	9	128	132
		of Required Credits/Hour 1. 「全民國防教育軍事						 三)全民國防 (四)防衛動員 (五				19		2 6 10 11 1 2 2 2 2 2 2			No trubbemuson			t stor but who also as a second						120	1,52
	選修 Elective	1. The "National Defense Edu	cation and					Situation (2) National Defense Policy			nse (4) Defense Mobilization (5)	National					be deducted for service period. Th				ıncemen	t of the	Academic Affairs Office of the cur	rrent sem	ester.		1
備註/N	otes:				Common Elective Common Elective Defense Science and Technology. (B 2.0 credits /2 class hours in all fields, which can be deducted for service period. The courses of each semester are subject to the announcement of the Academic Affairs Office of the current semester.																				_		

- 1.語文能力門檻:依據「吳鳳科技大學學生英文能力畢業門檻實施要點」相關規定辦理。
- 1.終文派リ门極・依豫・突風弁技大学学生头叉能力辛素円極質施要點」相關規定辨理。

 Language Proficiency Threshold: It shall be handled according to the implementation of "WuFeng University Students' English Proficiency Requirements for Graduation Threshold."

 2.資訊能力門極:依據「吳鳳科技大學學生資訊能力畢業門極實施要點」,非資訊系(科)至少通過一種資訊基本能力認證測驗;資訊系(科)至少適過兩種資訊能力認證測驗。
 Information Capability Threshold: According to the implementation of "WuFeng University students' information capability requirements for graduation threshold." Students of non-information departments (sections) must pass at least one basic information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficiency certification test. Students of the information department must pass at least two information proficie
- The compulsory subjects of the college: Calculus, Computer Practice and Program Application. Students must pass the courses.
- :、条所基本要求/Basic requirements of the department :
 1.畢業學分數要求:至少寫取得128學分方可畢業,其中包括(1)核心素養科目18學分(2)公民素養科目4學分(3)學院共同必修4學分(4)專業必修科目48學分(5)專業選修科目24學分(6)學程、跨系興趣選修與潛能課程30學分。
- Graduation credit requirements: At least 128 credits, including (1) Core Literacy Courses: 18 credits (2) Civic Literacy Courses; 4 credits (3) The common compulsory subjects of the colleges: 00 credits (4) Professional compulsory courses: 00 credits (6) A maximum of 30 credits (7) Professional compulsory courses: 00 credits (7) Professional compulsory courses: 00 credits (8) Professional compulsory courses: 00 credits (8) Professional compulsory courses: 00 credits (9) Professional compulsory courses: 00 credits (10) Professional courses: 00 credits (10) Professional courses: 00 credits (10) Professional courses: 00 2.各年級各學期修習學分數規定:(1)一~二年級:16~25學分。(2)三年級:14~25學分、(3)四年級:9~25學分。
- Regulations on the number of credits for each grade and semester: (1) From first to second year: 16-25 credits. (2) Third year: 14-25 credits, (3) Forth year: 9-25 credits. 3. 校外實習頒符合「吳鳳科技大學生校外實習課程實施要點」據以認定實習成績。
 The Practical Training must meet the "Implementation of WuFeng University Students' Practical Training Course" to determine the internship results.

 * 其他说明/Other remarks

- *1 天本光-7-Outle relinants *1 表示常使用電腦課程。AI相關課程,請以#表示。實務課程,請以「青色」填滿色彩表示。遷棒程式設計,請以「淺綠色」填滿色彩表示。 * Indicates that a computer course is required. AI courses are represented by #. Practical courses are indicated in "yellow". Logic programming courses are shown in "light green".

. 114年07月14日機械與智慧製造工程系113學年度第2學期第4次課程委員會通過;114年07月25日 安全工程學院113學年度第2學期第4次課程委員會通過;114年07月30日 113學年度第2學期第6次校課程委員會通過。
14/07/14 Department of Mechanical and Intelligent Manufacturing Engineering 113 academic year 2nd semester, adopted by the 4th Curriculum Committee conference. 114/07/30 113 academic year 2nd semester, adopted by the 6th