吳鳳科技大學 日間部 日四技 人工智慧無人機科技系 課程表 (113學年度入學學生適用)
113 Academic Year Bachelor Program in Department of Computer Technology and Multinedia, WuFeng University

類 科 別 目 (Categories of Courses)	第一學年(First Academic Year) 上(First Semester) 科目 Course Title	學分 Credit	時數 Hour	下(Second Semester) 科目 Course Title	學分 Credit	時數 Hour	第二學年(Second Academic Year) 上(First Semester) 科目 Course Title	學分 Credit	時數 Hour	下(Second Semester) 科目 Course Title	學分 Credit	時數 Hour	第三學年(Third Academic Year) 上(First Semester) 科目 Course Title	學分 Credit	時數 Hour	下(Second Semester) 科目 Course Title	學分 Credit	時數 Hour	第四學年(Forth Academic Year) 上(First Semester) 科目 Course Title	學分 Credit	時數 Hour	下(Second Semester) 科目 Course Title	學分 Credit	時數 Hour	小計 subtotal 學分 Credit	時數 Hour
核心素養 (Core Literacy)	英文(一)/English(I)	3	3	英文(二)/English(II)	3	3	安全教育/Safety Education	1	1																	
	文學賞析與寫作(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	創意創論與智財權/Introduction of creation	1	1																	
	勞作教育/Labor Education	1	1																							
小計/ Subtotal		8	8		7	7		3	3		0	0		0	0		0	0		0	0		0	0	18	18
公民素養 (Civic Literacy)							公民素養(一) Civic Literacy (I)	2	2	公民素養(二) Civic Literacy (II)	2	2														
小計/ Subtotal		0	0		0	0		2	2		2	2		0	0		0	0		0	0		0	0	4	4
院共同必修 (Courses required by the college)	微積分/Calculus	2	2	電腦實作與程式應用*/Computer pratice and programe application	2	2																				
小計/ Subtotal		2	2		2	2		0	0		0	0		0	0		0	0		0	0		0	0	4	4
系專業必修 (Courses required by the department)	無人載具操作應用實務(一)*/UAV operation practice (1)*	2	3	無人載具操作應用實務(二)/UAV operation practice (2)	2	3	無人機組裝與維護保養/UAV assembly and maintenance	2	3	定翼機應用與實務/Fix wing drone applications and practice	2	3	實務專題(一)/Practice topic	1	1	實務專題(二)/Special Projects (II)	1	1							
	人工智慧導論*#/Introduction to AI*#	2	2	基本電學/Basic electricity	2	2	遙控技系統概論*/Introduction to Remote Control System	2	2	大數據理論與實務(一)*# Big Data Theory and Practice(I)	3	3	大數據理論與實務(二)*# Big Data Theory and Practice(II)	2	2	技術報告撰寫*/Technical Report Writing	2	2							
	航空概論/Introduction to Aviation	2	2	Python 程式設計概論*#/Introduction to Python Programming*#	2	2	機器學習概論*#/Machine learning priciple	2	3	鑑別式AI與生成式AI概論#Introduction to Discriminative AI and Generative AI#	2	2	AI應用規劃師實務(一)#/AI Application Planner Practice(2)#	2	2	AI多模式工具實務*#/AI Multimodal Tools in Action*#	2	2							
	航空法規與倫理/Aviation regulations and ethics	2	2	基礎電腦繪圖*/Basic computer graphics*	2	2	初階專業英文/Professional English (I)	1	1	進階專業英文/Professional English (II)	1	1													
小計/ Subtotal		8	9		8	9		7	9		8	9		5	5		5	5		0	0		0	0	41	46
必修小計/ Subtotal, Compulsory		18	19		17	18		10	12		10	11		7	7		5	5		0	0		0	0	67	72
系專業選修 (Course, Department by the)							作業風險管理/Operations risk management	3	3	深度學習概論*#/Deep learning practice	3	3	感測器理論與實務*#/Sensor theory and practice	3	3	AI應用規劃師實務(二)#/AI Application Planner Practice(2)#	2	2	人工智慧安全與倫理#/Artificial Intelligence Safety and Ethic*#	3	3	智慧監測系統實務*/Smart monitoring system practice	3	3		
							空拍與影片製作/Aerial photography and video production	3	3	無人機遙測影像分析實務*/UAV telemetry image analysis practice	3	3	無人機測量實務/Drone Surveying Practice	3	3	C 程式設計實務*#/C Programming Practice	3	3	碳盤查實務/Carbon inventory practice	3	3	VTOL無人機系統應用*/VTOL UAV System Application	3	3		
							直升機應用與實務/Helicopter Applications and Practice	3	3	FPV操作實務/FPV operation Practice	3	3	虛擬實境應用實務*/Virtual Reality Practical Application	3	3	無人機農噴實務/UAV agricultural spraying practice	3	3	群控設計及操作實務*/Quadis design and operation practice*	3	3	社群媒體製作實務*/Social Media Production Practice	3	3		
																						校外實習(一)/Practical Training(1)	3	3	校外實習(五)/Practical Training(5)	3	3		
																						校外實習(二)/Practical Training(2)	3	3	校外實習(六)/Practical Training(6)	3	3		
																						校外實習(三)/Practical Training(3)	3	3	校外實習(七)/Practical Training(7)	3	3		
																						校外實習(四)/Practical Training(4)	3	3					
該學期至少需選修學分/學時 minimum elective		0	0		0	0		3	3		3	3		3	3		3	3		9	9		9	9	30	30
學分/學時小計 Subtotal,		18	19		17	18		13	15		13	14		10	10		8	8		9	9		9	9	97	102
學程與跨領域選修:至多30學分 Course and Cross-field electives: up to 30 credits	1. 通識課程:最多 4 學分 1.General Education Learning Passport: Up to 4 credits. 2. 社團發展:最多 4 學分 2. Club Development: Up to 4 credits 3. 學程與跨領域選修:最多為本類課程應修學分 3. Course and interdepartmental interest electives: up to credits required for this type of courses 4. 校外實習:最多 21 學分 4.Field Practice: Up to 21 credits															5. 潛能課程相關細部詳細規定請參考「吳鳳科技大學潛能課程修課要點」辦理。5. Please refer to "Key Points of Potential Course of Wufeng University of Science and Technology" for detailed requirements of Potential Course.											
學程與跨領域選修學分/學時建議 Course and Cross-field electives credit/credit hour recommendations		2	2		2	2		2	2		7	7		6	6		4	4		4	4		4	4	31	31
畢業最低學分/學時 Total Number of Required Credits/Hour		20	21		19	20		15	17		20	21		16	16		12	12		13	13		13	13	128	128

吳鳳選修 Common Elective
1. 「全民國防教育軍事訓練」課程有五大領域:(一)國際情勢 (二)國防政策 (三)全民國防 (四)國防動員 (五)國防科技威。1. The "National Defense Education and Military Training " course has five areas: (1) International Situation (2) National Defense Policy (3) National Defense (4) Defense Mobilization (5) National Defense Science and Technology.

2. 各領域均為 0學分/2學時。可折抵役期,各領域每學期開設情況、均依當學期教務處公告為準。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.

備註/Notes:
一、校基本要求/Basic requirements of the university:
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。 Language Proficiency Threshold: It shall be handled according to the implementation of "WuFeng University Students' English Proficiency Requirements for Graduation Threshold."

2. 資訊能力門檻:依據「吳鳳科技大學學生資訊能力畢業門檻實施要點」,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)至少通過兩種資訊能力認證測驗。2. 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 department of Information must pass at least two information proficiency certification tests.
The Curriculum Framework for the Four-Year Bachelor Program of the Fire Science Department at WuFeng University for the 112 Academic Year

二、院基本要求/Basic requirements of the college:
學院必修科目為:電腦實作與程式應用、管理學、學生必須修習及格。
The compulsory subjects of the colleges: Computer Practical Program Application, Management . Students must pass these courses.

三、系所基本要求/Basic requirements of the department:
1. 畢業學分數要求:至少需修讀128學分方可畢業,其中包括(1)核心素養18學分(2)公民素養4學分(3)院院共同必修學分 (4)畢業必修科目29學分 (5)畢業選修科目45學分 (6)學程與跨領域選修課程26學分
1. Graduation credit requirements: At least 128 credits, including (1)Core Literacy: 18 credits (2) Civic Literacy: 4 credits (3) The common compulsory subjects of the college: 6 credits (4) Professional compulsory subjects: 29credits (5) Professional elective courses: 45 credits (6) A maximum of 26 credits are recognized for courses. Course and Cross-field electives courses.

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。
2. 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. 校外實習須符合「吳鳳科技大學學生校外實習課程實施要點」,據以認定實習成績。
3. The Practical Training must meet the "Implementation of WuFeng University Students' Practical Training Course" to determine the internship results.

四、其他說明/Other remarks
本系可因應計畫和產業需求調整專業選修課程。The department may modify elective courses according to the needs of the program and industry.

五、訂 (修) 定歷程/Booking (Revised) History:
113.6.20應用數位媒體系112學年度第2學期第3次課程委員會通過; 113.8.20數位管理學院113學年度第1學期期第1次課程委員會通過; 113.09.06.113學年度第1學期期第1次校課程委員會通過。
113/6/20 Department of Applied Digital Media 112 academic year 2nd semester, adopted by the 3 Curriculum Committee conference; 113/8/20 113 academic year 1nd semester, adopted by the xx College of Digital Management Curriculum Committee; 113/09/06 113 academic year 1st semester, adopted by the 1 st Curriculum Committee conference.