

吳鳳科技大學 日間部 日四技 消防系 課程表（114學年度入學學生適用）

The Curriculum Framework for the Four-Year Bachelor Program of the Fire Science Department at WuFeng University for the 114 Academic Year

科目類別 (Categories of Courses)	第一學年(First Academic Year)						第二學年(Second Academic Year)						第三學年(Third Academic Year)						第四學年(Fourth Academic Year)						小計 subtotal				
	上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)			上(First Semester)			下(Second Semester)							
	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	科目 Course Title	學分 Credit	時數 Hou	學分 Credit	時數 Hou
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 & IPR	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		0	0	18	18
公民素養 (Civl Literacy)									公民素養(一)/Civil Literacy (I)	2	2	公民素養(二)/Civic Literacy( II )	2	2															
	小計/subtotal	0	0		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	電腦實務與程式應用*/Computer Practice and Program	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)	消防學 /Introduction to Fire Science	2	2	火災學 (一) /Fire Science(I)	2	2	水系統消防安全設備/ Water-Base Suppression Systems for Fire Protection	3	3	警報系統消防安全設備/ Alarm and Detection Systems for Fire Protection	3	3	專題與書報討論(一)/ Final Project (I)	1	1	消防圖學(二)/ Fire Engineering Drawing (II)	3	3											
	數位邏輯程式設計與應用*/ Digital logic programming and application	1	1	消防法規(二)/Fire Code and Regulations (II)	3	3	化學系統消防安全設備/ Special Suppression Systems	3	3	避難系統消防安全設備/ Escape Systems for Fire Protection	3	3	消防圖學(一)/ Fire Engineering Drawing (I)	3	3	專題與書報討論(二)/ Final Project (II)	1	1											
	消防法規(一)/Fire Code and Regulations (I)	3	3	普通物理(一)/ Physics(I)	2	2	火災學 (二) /Fire Science(II)	2	2							消防設備檢修實務/ Overhaul Practice of the Fire Safety Equipments	2	2											
	普通化學(一)/General Chemistry(I)	2	2																										
	普通化學實驗/ General Chemistry Experiments	1	1																										
	小計/subtotal	9	9		7	7		8	8		6	6		4	4		6	6		0	0		0	0		0	0	40	40
必修小計/Subtotal, Compulsory		19	19		16	16		11	11		8	8		6	6		6	6		0	0		0	0		0	0	66	66
系專業選修 (Elective courses of the department)	應用統計/ Application of Statistics	2	2	工業衛生概論 /Industrial hygiene	2	2	消防水力學/Hydraulics	2	2	建築防火/Fire Safety of Buildings	2	2	配線實務/Wiring Practice	2	3	氣體燃料導管配管/ Gas Piping	2	3	消防工程英文/ Fire Engineering English	2	2	火災原因調查與鑑定/ Fire Investigation	2	2					
	電工學/Electrical Engineering	2	2	普通化學 (二)/General Chemistry(II)	2	2	工業安全概論/Introduction of Industrial Safety	2	2	工業電子/Industrial Electronics	2	2	緊急救援/Emergency Medical Service	2	3	配管實務/Piping Practice	2	3	特定瓦斯器具裝修/ Installation of specialized gas appliances	2	2	消防滅火系統實務/ Practice in Fire Suppression Systems	2	2					
							電腦繪圖* /Computer Graphics	2	2	電氣安全/Electrical Safety	2	2	創新與創業實務/ Innovation and Entrepreneurship in Practice	2	2	消防機械/Fire Fighting Facility	2	2	防火防爆工程/ Engineering of Fire and Explosion Protection	2	2	長照機構防火安全/ Fire safty of long-term care institution	2	2					
							普通物理(二)/ Physics(II)	2	2	風險評估/Risk assessment	2	2	機電防護/Mechanical Protection	2	2	人因工程/Human Factors Engineering	2	2	都市防災/Urban disaster prevention	2	2	災害防救計畫與緊急應變/Disaster Prevention and Emergency Response Plans	2	2					
							法學緒論/Introduction to Laws	2	2	防火管理/Fire Preacuation Management	2	2	消防安全設備設置 標準解說 (一) / Installation standards of fire safety equipment (I)	2	2	消防安全設備設置 標準解說 (二) / Installation standards of fire safety equipment (II)	2	2	危機管理/Crisis Management	2	2	職業安全衛生法規/ Occupational Safety and Health Regulations	2	2					
							工程材料/Engineering Materials	2	2	火災學(三)/ Fire Science (III)	2	2	公共危險物品管理與消防設備/Fire Safety Design and Equipments for Public Hazardous Goods	2	2	火災災例分析與評估/ Analysis and Estimation of Fire Scenarios	2	3	製圖實務與AI運用*/ Cartography practice and AI application	2	2								
																消防化學/Fire Chemistry	2	2											
							校外實習(一)/Practical Training (I)	3	3				校外實習(二)/Practical Training (II)	3	3				校外實習(三)/Practical Training (III)	3	3	校外實習(七)/Practical Training (VII)	3	3					
																			校外實習(四)/Practical Training (IV)	3	3	校外實習(八)/Practical Training (VIII)	3	3					
																			校外實習(五)/Practical Training (V)	3	3	校外實習(九)/Practical Training (IX)	3	3					
																			校外實習(六)/Practical Training (VI)	3	3								
該學期至少需選修學分/學時 minimum elective credits required for		2	2		2	2		4	4		4	4		6	8		6	8		4	4		4	4		4	4	32	36
學分/學時小計 Subtotal, Credits/Hour		21	21		18	18		15	15		12	12		12	14		12	14		4	4		4	4		4	4	98	102
潛能課程：至多30學分 Potential courses: up to 30 credits		1. 通識護照：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 18 學分 4.Field Practice: Up to18 credits																											
潛能課程學分/學時建議 Potential course credit/credit hour					2	2		4	4		6	6		4	4		4	4		5	5		5	5		5	5	30	30
畢業最低學分/學時 Total Number of Required		21	21		20	20		19	19		18	18		16	18		16	18		9	9		9	9		9	9	128	132
共同選修 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)防衛動員 (五)國防科技。 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)至少需通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

二、院基本要求/Basic requirements of the college：

1. 學院必修科目為：微積分、電腦實務與程式應用。學生必須修習及格。  
The compulsory subjects of the colleges: Calculus, Computer Practice and Program Applications. 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40學分 (5)專業選修科目32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: 4 credits (4) Professional compulsory courses:40credits (5) Professional elective courses:32 credits (6) A maximum of 30 credits are recognized for courses, interdepartmental interest electives and potential courses (excluding off-campus internships).

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。  
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

1.\*表示需使用電腦課程。  
Indicates that a computer course is required.

2.本系可因應計劃和產業需求修改選修課。  
The department may modify elective courses according to the needs of the program and industry.

五、訂(修)定歷程/Booking (Revised) History：

114.07.22. 消防系113學年度第2學期第3次課程委員會通過；114.07.25安全工程學院114學年度第2學期第4次課程委員會通過；114.07.30 114學年度第2學期第6次校課程委員會通過。  
114.07.22. Department of Fire Science 114 academic year 2nd semester, adopted by the 3rd Fire Science Curriculum Committee conference. 114/07/25 114 academic year 1st/4nd semester, adopted by the College of Safety and Engineering Curriculum Committee conference. 114/07/30 114 academic year 1st/6nd semester, adopted by the 1st/2nd Curriculum Committee conference.