

遠東科技大學 四年制 飛機修護系 課程規劃表(適用112學年度入學)

Far East University Curriculum of Aircraft Maintenance Department for Four-Year Bachelor's Degree Program
-Day Division (Effective from Fall 2023)

科目名稱 Subject		第一學年 1st school year				第二學年 2nd school year				第三學年 3rd school year				第四學年 4th school year				
		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		
		學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	
校訂課程 Stipulated Courses	通識基礎必修 Required General Education Courses	國文(1)(2) Chinese (1) (2)	2/ 2	2/ 2														
		英文聽力與閱讀(1)(2) English Listening and Reading(1)(2)	2/ 2	2/ 2														
		體育(1)(2)(3) Physical Education(1)(2)(3)	2/ 2	2/ 2	2/ 2													
		服務教育與大學社會責任(1)(2) Service Education and University Social Responsibility (1)(2)	1/ 1	1/ 1														
		小計Subtotal	7/ 7	7/ 7	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0
		通識博雅必修 Required Liberal Arts Courses	創意思考與AI智慧生活 Creative Thinking and AI Smart Living		2/ 2													
	倫理與品格 Ethics and Character Education				2/ 2													
	科學與自然、人文與社會 Science and Nature, Humanities and Social Sciences					2/ 2	2/ 2	2/ 2										
	創意實作 Innovations and Implementations																2/ 2	
	公民教育 Citizenship Education																2/ 2	
	小計Subtotal	0/ 0	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	0/ 0	4/ 4						
	一般選修 General Elective Courses	英文閱讀與寫作 English Reading and Writing			2/ 2													
		體育(4) Physical Education(4)				2/ 2												
		全民國防教育軍事訓練(1)(2)(3)(4) National Defense Education and Military Training (1)(2)(3)(4)	2/ 2	2/ 2	2/ 2	2/ 2												
		人文與創意跨域學習 Interdisciplinary of Humanities and Creativities Learning			2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2							
小計Subtotal		2/ 2	2/ 2	6/ 6	6/ 6	2/ 2	2/ 2	2/ 2	2/ 2	2/ 2	0/ 0	0/ 0						
院必修課程 Required College Courses	微積分 Calculus	3/ 3																
	物理 Physics	3/ 3																
	電腦軟體應用 Computer Software Application		2/ 2															
	職場倫理 Employment Ethics		2/ 2															
	半導體概論 Introduction of Semiconductor				2/ 2													
	小計	6/ 6	4/ 4	0/ 0	2/ 2	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0	0/ 0						
	航太工程概論 Introduction of Aeronautical Engineering	2/ 2																
		基礎航空英文 Fundamental Aviation English	2/ 2															
應用力學 Applied Mechanics		2/ 2																

遠東科技大學 四年制 飛機修護系 課程規劃表(適用112學年度入學)
Far East University Curriculum of Aircraft Maintenance Department for Four-Year Bachelor's Degree Program
-Day Division (Effective from Fall 2023)

科目名稱 Subject		第一學年 1st school year				第二學年 2nd school year				第三學年 3rd school year				第四學年 4th school year				
		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		
		學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	
專業必修課程 Professional Required Courses	系必修課程 Required Department Courses	初級航空英文 Elementary English for Aviation		2/ 2														
		基本電學與實驗 Basic Electric Circuit and Experiment		3/ 3														
		飛機維修實習 Aircraft Maintenance Practice		3/ 3														
		材料力學 Mechanics of Materials		2/ 2														
		飛機維修進階實習 Advanced Practice in Aircraft Maintenance				3/ 3												
		電腦繪圖 Computer Drawing				3/ 3												
		熱力學 Thermodynamics				2/ 2												
		航空發動機 Aircraft Engine				3/ 3												
		機體結構實習 Airframe Structure Practicum					3/ 3											
		發動機拆裝實習(1)(2) Aircraft Engine Disassembly Practice(1)(2)					3/ 3	3/ 3										
		實務專題(1)(2) Project(1)(2)						1/ 3	1/ 3									
小計Subtotal		6/ 6	10/ 10	11/ 11	6/ 6	4/ 6	1/ 3	0/ 0	0/ 0									
系專業選修課程 Professional Elective Courses	航空基礎實習 Fundamental Aviation Practice	3/ 3																
	中級航空英文 Intermediate Aviation English			2/ 2														
	機械加工與實習 Mechanical Processing and Internship			3/ 3														
	無人飛機概論 Introduction of Drones			2/ 2														
	氣液壓學與實習 Introduction and Practice of Pneumatics and Hydraulics				3/ 3													
	電腦輔助工程分析 Computer Aided Engineering Analysis				3/ 3													
	高級航空英文 Advanced Aviation English			2/ 2														
	無人機空拍考照與實務 Aerial Photo and Practice by UAV			2/ 2														
	飛機系統與實習 Aircraft System and Practices					3/ 3												
	飛機結構 Aircraft Structures					3/ 3												
	飛航維護專業英文實務 English on Aviation Maintenance in Practice					3/ 3												
	綠色能源與無人飛行載具 Green Energy and Drones					3/ 3												
人因工程 Human Factors Engineering							3/ 3											

遠東科技大學 四年制 飛機修護系 課程規劃表(適用112學年度入學)

Far East University Curriculum of Aircraft Maintenance Department for Four-Year Bachelor's Degree Program
-Day Division (Effective from Fall 2023)

科目名稱 Subject	第一學年 1st school year				第二學年 2nd school year				第三學年 3rd school year				第四學年 4th school year			
	上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester	
	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours
複合材料製造技術與應用 Manufacturing Technology and Application of Composite Material											3/ 3					
航空旅運專業英文實務 Aviation Transportation English											3/ 3					
可程式控制與實習 Programmable Logic Controller Practice													3/ 3			
航空品保與驗證 Aviation Quality Assurance and Verification													3/ 3			
基礎噴射推進學 Basic Jet Propulsion													3/ 3			
學期校外實習 Off-Campus Internship													9/			
產業校外實習 Industrial Off-Campus Internship															9/	
機電整合與實習 Practice of Mechatronics															3/ 3	
航空遙測 Aerial Telemetry															3/ 3	
無人飛行載具維修與實習 Drone Maintenance and Internship															3/ 3	
小計Subtotal	3/ 3		0/ 0		7/ 7		10/ 10		12/ 12		9/ 9		18/ 9		18/ 9	
擬開最低選修學分 Proposed Minimum Elective Credits	合計Total		3/ 3		0/ 0		3/ 3		9/ 9		9/ 9		9/ 9		6/ 6	
112年05月23日 校課程發展委員會會議通過 Amended Date : 2023-05-23																

遠東科技大學 四年制 飛機修護系 課程規劃表(適用112學年度入學)
Far East University Curriculum of Aircraft Maintenance Department for Four-Year Bachelor's Degree Program
-Day Division (Effective from Fall 2023)

科目名稱 Subject	第一學年 1st school year				第二學年 2nd school year				第三學年 3rd school year				第四學年 4th school year			
	上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester		上學期 1st semester		下學期 2nd semester	
	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours	學分 Credits	時數 Hours

備註
Note

一、畢業總學分至少128學分：
The total number of credits completed to be eligible to graduate shall not be less than 128 credits.

1.校訂必修30學分(含通識基礎必修16學分、通識博雅必修14學分)。
The stipulated compulsory credits shall be 30 credits.(16 credits for required general education courses, and 14 credits for required liberal arts courses.)

2.專業必修50學分(院必修12學分、系必修38學分)。
The professional compulsory credits shall be 50 credits.(12 credits for required college courses, and 38 credits for required department courses.)

3.系專業選修至少26學分。
The professional elective credits shall be not less than 26 credits.

4.跨系選修至少9學分。
The number of inter-department elective credits shall be not less than 9 credits.

※「微學分課程」最多採計12學分。
The number of 'Micro-Credit Courses' credits shall be up to 12credits.

二、畢業門檻：Graduation Threshold

1.學生於修業年限內，應修畢「校訂必修」、「專業必修」、「系專業選修」、「跨系選修」共計128學分。
Students are required to complete a total of 128 credits of " Stipulated Compulsory Course", "Professional Compulsory Course", "Department Professional Elective Course", and "Inter-College Elective Courses " within their academic years.

2.系專業能力門檻(遠東科技大學飛機修護系畢業門檻實施要點辦理)。
Department Professional Threshold (Far East University Regulations of Graduation Threshold of Aircraft Maintenance Department)

3.英文能力門檻(遠東科技大學輔導學生取得英檢證照實施辦法辦理)。
English Proficiency Threshold (Far East University Regulations of Tutoring Students to Get English Proficiency Certificates)

三、校訂課程：Stipulated Courses

1.校訂課程不須依先後順序修課，不得互抵者，包括「國文(1)(2)、英文聽力與閱讀(1)(2)、體育(1)(2)(3)(4)」課程。
Stipulated courses are not required to be taken in sequence and the credits shall not be mutually transferred, including "Chinese (1) (2), English listening and reading (1) (2), and physical education (1) (2) (3) (4)" courses.

2.校訂課程不須依先後順序修課，得互抵者，僅為「服務教育與大學社會責任(1)(2)」課程。
Stipulated courses are not required to be taken in sequence and those that may be mutually complemented by each other may be only "Service Education and University Social Responsibility (1) (2)".

3.校訂課程不須依先後順序修課，包括「全民國防教育軍事訓練(1)(2)(3)(4)課程」。
Stipulated courses are not required to be taken in sequence, including National Defense Education .

4.「創意思考與AI智慧生活」、「倫理與品格」課程在一年級下學期、二年級上學期開課，得依實際情形上下學期調整。「倫理與品格」課程含括環境倫理、生命倫理及性別倫理三門，依實際情形排定一門，學生擇一修課即可。
Creative Thinking and Training and AI Smart Life shall be offered at the second semester of the freshman and at the first semester of the sophomore year and be adjusted based on the actual situation in the first and second semesters. Ethics and Character Education includes three courses: environmental ethics, bioethics, and gender ethics. Each course may be arranged according to the actual situation, and students shall choose one course.

5.「人文與創意跨域學習」依實際情形排定一門課程。
"Interdisciplinary Learning of Humanities and Creativity" shall be offered according to the actual situation.

四、專業課程：Professional Courses:

1.「實務專題(1)(2)」課程應依先後順序修課，得互抵。
Project(1)(2) shall be taken in sequence and may complement each other.

2.「發動機拆裝實習(1)(2)」課程應依先後順序修課，不得互抵。
Aircraft Engine Disassembly Practice(1)(2) shall be taken in sequence and the credits shall not be mutually transferred.