

HUNGKUANG UNIVERSITY
Department of Intelligent Technology and Application

Academic Year 2026, Four-Year Program (Day Division)

Credits required for graduation by the Department: 128 credits										
General Education Courses		30 credits / 30 hours								
Professional Compulsory Courses		40 credits / 43 hours								
Elective Courses		58 credits / 63 hours								
General Education Courses: 30 credits		First year		Second year		Third year		Fourth year		Note
		上	下	上	下	上	下	上	下	
Core	Human Spirit(I) 人文精神(一)		2/2							
	Human Spirit(II) 人文精神(二)				2/2					
Basic	Chinese reading and writing(I) 中文閱讀與書寫(一)	2/2								Language Education
	Chinese reading and writing(II) 中文閱讀與書寫(二)		2/2							
	English(I) 英文(一)	2/2								
	English(II) 英文(二)		2/2							
	English presentations at work 職場專業英文簡報			2/2						
	Application Programming Design 應用程式設計		2/2							Information Education
	History and Civilization 歷史與文明						2/2			Civic Education
	Democracy and the Rule of Law 民主與法治	2/2								
	Introduction to Creativity 創意概論			2/2						Creative Education
	Innovation: Thinking and Application 創新思維與應用					2/2				
	Physical Education 體育	2/2								Physical Education
Classification	Social Science Category 社會科學類				2/2					
	Liberal Arts 人文藝術類					2/2				
Subtotal		8/8	8/8	4/4	4/4	4/4	2/2	0/0	0/0	

Professional Compulsory Courses: 40credits	First year		Second year		Third year		Fourth year		Note
	S.1	S.2	S.1	S.2	S.1	S.2	S.1	S.2	
Practice of Unmanned Vehicle Operation 無人載具操作應用實務	3/3								
Python Programming Practice Python 程式設計實務	3/4								
Information Ethics and Regulations 資訊倫理與規範	2/2								
AIoT Design Practices AIoT 設計實務	3/3								
Artificial Intelligence Principles and Application Practice 人工智慧原理與應用實務		3/3							College Core
Introduction to Network 網路概論		3/3							
Python Practices Python 應用實務		3/3							
Big Data Analysis Practice 大數據分析實務			3/3						
WebPage Design 網頁設計			3/3						
Applied Mathematics 應用數學			3/3						
Full-stack Web App Development (I) 全端網頁應用開發（一）				3/3					
Information and Network Security 資訊與網路安全					3/3				
Computer-Aided 3D Modeling 電腦輔助 3D 建模實務					3/3				
Project(I) 專題(一)						1/2			
Project(II) 專題(二)							1/2		
Subtotal	11/12	9/9	9/9	3/3	6/6	1/2	1/2	0/0	

Elective Courses: 58 credits

1. According to the 「Guidelines for Students of the Department of Intelligent Technology and Application of Hungkuang University」, students need to choose one of the "Smart System Development Module" or "Digital Service Application Module" as an elective module from the next semester of the first year. And complete 21 credits of this module.
2. The department offers 20 credits of electives from other departments, including a maximum of 6 credits for elective courses offered by the General Education Center (including a maximum of 4 credits for physical education courses).

Smart System Development Module		Smart vehicle application module	
Module Major Elective	Credits / Hours	Module Major Elective	Credits / Hours
C Programming Language and Programming Practices C 程式設計實務(一下)	3/4	AI Marketing Applications 人工智慧行銷應用 (一下)	3/4
Digital Logic and Electronic Circuit 數位邏輯與電子電路(一下)	3/4	Electronic and Mobile Commerce 電子與行動商務(一下)	3/3
Machine Learning 機器學習(二上)	3/4	The Design, Assembly and Maintenance of Drone 無人機設計組裝與維修保養(二上)	3/3
Microprocessor Applications 微處理器應用(二上)	3/4	Drone Video Shooting and Image Editing 無人機拍攝與剪輯(二上)	3/4
Sensors Practices 感測器實務(二下)	3/3	Spatial Information Systems Practice 空間資訊系統實務(二下)	3/4
Full-stack Web App Development (II) 全端網頁應用開發(二)(三上)	3/3	Virtual Reality Practical 虛擬實境實務(三上)	3/4
Deep learning Practice 深度學習實務(三下)	3/4	UAV Mapping Practice 無人載具測繪實務(三下)	3/4

3. National defense education and military training courses are not included in graduation credits.
4. According to the "Implementation Guidelines for the Information Competency Certification of the Department of Smart Technology Application at Hungkuang University of Technology," only those who meet the requirements are eligible for graduation.
5. Students must complete at least one academic program offered by the university to be eligible for graduation. The credits and grades earned will be included in the total credits and semester grades for each term.
6. In addition to completing the required graduation credits, students must meet other graduation requirements in accordance with the university regulations to be eligible for graduation.

115.03.18 系課程委員會通過

115.04.16 院課程委員會通過

115.05.05 校課程委員會通過