

# 嶺東科技大學114學年度入學新生課程標準

## Ling Tung University Curriculum Standards in effect since 2025

Department(系所別):Information Technology(資訊科 技系智慧聯網互動科技應用組) College(學院):College of AI Technology(智慧科技學院)

Academic Year of Entrance(入學年):2025

Program:Four-year B.D. for Day Division(日間部四年制)

第一學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
中文閱讀與思考	Chinese Reading and Thinking	R	2	2
職涯與職能發展	Career and functional development	R	2	2
體育(一)	Physical Education I	R	2	2
英文(一)	English I	R	2	2
計算機概論	Introduction to Computer Science	R	3	3
微積分(一)	Calculus I	R	3	3
網頁設計	HTML Development	R	3	3
計算機網路	Computer Networking	R	3	3
人工智慧概論	Artificial Intelligence Applications	R	3	3
第一學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
中文應用書寫表達	Application of Chinese	R	2	2
體育(二)	Physical Education II	R	2	2
英文(二)	English II	R	2	2
物聯網概論	IoT Implementation	R	3	3
Linux作業系統管理	Administration of Linux Operating System	R	3	3
微控制系統應用	Microcontroller Applications	E	3	3
生成式AI應用	Application of Generative AI	E	3	3
ESG概論	Environmental, Social, and Corporate Governance	E	3	3
3D列印應用	3D Printing Applications	E	3	3
微積分(二)	Calculus II	E	3	3
創意機構應用	Creative Mechanism Applications	E	3	3
第二學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
博雅通識(一)	General Education I	R	2	2
AI思維與應用	AI thinking and application	R	2	2
群己倫理與生命關懷	Ethnics and Interpersonal Relationships	R	2	2
程式設計(一)	Computer Programming 1	R	3	3
作業系統	Operating System	R	3	3
3D電腦繪圖	3D Computer Graphics	E	3	3
電腦虛擬與擴增實境	Computer Virtualization and Augmented Reality	E	3	3
物聯網與智慧雲端	IoT and Smart Cloud	E	3	3
數位邏輯與實習	Digital Logic and Experiment	E	3	3
電子電路與實習	Electronic Circuits and Experiments	E	3	3
程式思維與資料結構	Programming Logic and Data Structures	E	3	3
全民國防教育(一)	National Defense Education I	E	2	2
第二學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
博雅通識(二)	General Education II	R	2	2
職場英文	Workplace English	R	2	2
程式設計(二)	Computer Programming 2	R	3	3
機器學習	Machine Learning	R	3	3
資訊安全	Information Security	R	3	3
電腦遊戲設計	Computer Game Design	E	3	3
基礎人工智慧數學	Mathematical Fundamentals on Artificial Intelligence	E	3	3
演算法應用	Algorithm Application	E	3	3
數位系統設計	Digital System Design	E	3	3
智慧機器人概論	Introduction to Intelligent Robot	E	3	3
全民國防教育(二)	National Defense Education II	E	2	2
第三學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours

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博雅通識(三)	General Education III	R	2	2
數位多媒體應用	Digital Multimedia Applications	R	3	3
伺服器端網頁設計	Server-side Software Development	R	3	3
物聯網實作	Internet of Things Implementation	R	3	3
電子商務	Electronic Commerce	E	3	3
程式設計(三)	Computer Programming 3	E	3	3
資料庫管理系統	Database Management System	E	3	3
系統分析設計	System Analysis and Design	E	3	3
雲端運算管理	Administration of Cloud Computing System	E	3	3
行動裝置軟體設計	Software Design of Mobile Devices	E	3	3
能源管理系統	Energy Management System	E	3	3
智慧機器人軟體設計	Smart Robot Software Design	E	3	3
第三學年第二學期				
2nd Semester Third Year				
科目名稱	Course Title	R/E	Credits	Hours
博雅通識(四)	General Education IV	R	2	2
專業英文	Professional English	R	2	2
實務專題(一)	Practical Project I	R	2	2
智慧裝置應用	Smart Device Applications	R	3	3
響應式網頁製作	Acoustics Applications and Design	R	3	3
無人車設計	Unmanned Vehicle Design	E	3	3
專業證照輔導	Professional Certification Guidance	E	3	3
雲端運算整合應用	Application and Integration of Cloud Computing Systems	E	3	3
深度學習	Deep Learning	E	3	3
電子商務案例分析	Electronic Commerce Case Analysis	E	3	3
數位家庭系統	Digital Home Systems	E	3	3
數位影音製作	Digital Media Production	E	3	3
第四學年第一學期				
1st Semester Fourth Year				
科目名稱	Course Title	R/E	Credits	Hours
實務專題(二)	Practical Project II	R	2	2
資訊志工(一)	Information Volunteer I	E	2	2
人機介面應用	Human-Computer Interface Applications	E	3	3
企業實習	Corporate Internship	E	3	3
電腦視覺	Computer Vision	E	3	3
創意思考	Innovative Thinking	E	3	3
專案管理	Project Management	E	3	3
第四學年第二學期				
2nd Semester Fourth Year				
科目名稱	Course Title	R/E	Credits	Hours
實務專題(三)	Practical Project III	R	2	2
資訊志工(二)	Information Volunteer II	E	2	2
專業實習(一)	Practical Training I	E	3	3
專業實習(二)	Practical Training II	E	3	3
專業實習(三)	Practical Training III	E	3	3
3D遊戲設計	3D Game Design	E	3	3
商業智慧	Business Intelligence	E	3	3
大數據分析	Big Data Analysis	E	3	3

備註:R=Required;E=Elective

## Regulations

1. The total number of credits required for graduation is 128, including 28 university-required credits, 8 college-required credits, 51 department-required credits, and 41 professional elective credits.
2. Students in their first to third years may take 16–25 credits per semester, while fourth-year students may take 9–25 credits. Detailed regulations are governed by the University Academic Regulations.
3. In accordance with the University's implementation guidelines for Chinese proficiency, English proficiency, information technology competency, and physical fitness, students must pass all required assessments to be eligible for graduation.
4. Students must meet the standards specified in the Department's "Implementation Guidelines for Professional Competency Assessment" to be eligible for graduation. Once students pass the assessment under the University's "Implementation Guidelines for Students' Information Technology Competency Assessment," the licenses and certificates they obtain will also be recognized by the Department as professional certifications for basic workplace information technology applications.
5. "Practical Project (I)," "Practical Project (II)," and "Practical Project (III)" are offered in accordance with the Department's curriculum planning and are designated as required courses for the Department.
6. Students may take courses offered by other departments that are not available in this department. Upon departmental approval, up to 12 credits (including interdisciplinary program credits) may be counted toward professional elective credits. Students may also take courses at other universities, limited to one course. Credits earned will be included in the calculation of external elective credits. Inter-institutional enrollment shall follow the University's "Implementation Guidelines for Inter-Institutional Course Selection."
7. Students participating in the Ministry of National Defense Reserve Officers' Training Corps (ROTC) who have completed winter and summer training and obtained certification may apply for credit waivers and exemptions from the Department's internship courses. Students applying for a full-semester internship exemption must complete registration and enroll in other courses for at least 3 credits during that semester.
8. For Professional Internship (I), Professional Internship (II), and Professional Internship (III), each credit shall correspond to a maximum of 64 internship hours..