

嶺東科技大學115學年度入學新生課程標準

Ling Tung University Curriculum Standards in effect since 2026

Department(系所別):(人工智慧應用科技系)

College(學院):College of AI Technology(智慧科技學院)

Academic Year of Entrance(入學年):2026

Program:Four-year B.D. for Day Division(日間學制四年制)

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
人工智慧	AI	R	3	3
計算機概論	Introduction to Computer Science	R	3	3
程式設計(一)	Programming I	R	3	3
計算機網路	Computer Networks	R	3	3
基礎人工智慧數學	Basic Artificial Intelligence Mathematics	R	3	3
初階華語(一)	Fundamental ChineseI	E	2	2
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
Linux作業系統管理	Linux Operating System Management	R	3	3
程式設計(二)	Programming II	R	3	3
生成式AI應用	Generative Artificial Intelligence Application	R	3	3
無人機概論	Introduction to Unmanned Aerial Vehicles	E	3	3
網頁設計	Web Design	E	3	3
機率與統計	Probability and Statistics	E	3	3
健康照護產業概論	Introduction to the Healthcare Industry	E	3	3
商業智慧概論	Introduction to Business Intelligence	E	3	3
物聯網概論	Introduction to the Internet of Things	E	3	3
微積分	Calculus	E	3	3
初階華語(二)	Fundamental ChineseII	E	2	2
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
作業系統	Operating System	R	3	3
工業物聯網與感測應用	Industrial IoT and Sensing Applications	R	3	3
資料庫系統	Database System	R	3	3
微控制板應用	Microcontroller Board Applications	E	3	3
線性代數	Linear Algebra	E	3	3
數據處理與分析	Data processing and analysis	E	3	3
程式設計(三)	Programming III	E	3	3
無人載具操作與應用	Unmanned Vehicle Operation and Application	E	3	3
資料結構	Data Structure	E	3	3
進階華語(一)	Advanced ChineseI	E	2	2
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
職場英文	Workplace English	R	2	2
博雅通識(二)	General Education II	R	2	2
機器學習	Machine Learning	R	3	3
資訊安全	Information Security	R	3	3
智慧代理人應用	Smart Agent Application	R	3	3
個人化推薦系統設計	Personalized Recommendation System Design	E	3	3
動態網頁程式設計	Dynamic Web Page Programming	E	3	3

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人工智慧倫理	Artificial Intelligence Ethics	E	3	3
醫療資訊系統	Medical Information System	E	3	3
創意與專利	Creativity and Patents	E	3	3
程式設計(四)	Programming IV	E	3	3
製程數據分析與預測維護	Process Data Analysis and Predictive Maintenance	E	3	3
進階華語(二)	Advanced ChineseII	E	2	2
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
博雅通識(三)	General Education III	R	2	2
專業英文	Professional English	R	2	2
深度學習	Deep Learning	R	3	3
雲端運算	Cloud Computing	R	3	3
運算思維與演算法	Computational Thinking and Algorithms	E	3	3
智慧客服與對話系統	Intelligent Customer Service and Dialogue System	E	3	3
電腦視覺與瑕疵檢測	Computer Vision and Defect Detection	E	3	3
行動裝置程式設計	Mobile Device Programming	E	3	3
系統分析與設計	System Analysis and Design	E	3	3
醫療影像處理與分析	Medical Image Processing and Analysis	E	3	3
第三學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
博雅通識(四)	General Education IV	R	2	2
實務專題(一)	Practical Topic I	R	2	2
產業AI應用專題	Industrial AI Applications Special Topic	R	3	3
專業證照輔導	Professional Certification Guidance	E	3	3
智慧機器人軟體設計	Intelligent robot software design	E	3	3
大語言模型應用	Large Language Model Applications	E	3	3
醫療AI倫理與法規	Medical AI Ethics and Regulations	E	3	3
專案管理	Project Management	E	3	3
大數據分析	Big Data Analytics	E	3	3
數位孿生	Digital Twins	E	3	3
商業數據分析與顧客洞察	Business Data Analytics and Customer Insights	E	3	3
第四學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
實務專題(二)	Practical Topic II	R	2	2
網路安全實務	Cybersecurity Practices	E	3	3
數位行銷與AI應用	Digital Marketing and AI Applications	E	3	3
智慧工廠系統整合	Smart Factory System Integration	E	3	3
醫療專案管理	Medical Project Management	E	3	3
企業實習	Corporate Internship	E	3	3
淨零碳排概論	Zero Carbon Emissions Overview	E	3	3
社群媒體經營	Social Media Management	E	3	3
專業實習(一)	Professional Internship I	E	6	6
第四學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
實務專題(三)	Practical Topic III	R	2	2
虛擬實境	Virtual Reality	E	3	3
軟體工程	Software Engineering	E	3	3
3D電腦繪圖	3D Computer Graphics	E	3	3
區塊鏈原理與應用	Blockchain Principles and Applications	E	3	3
電腦遊戲設計	Computer Game Design	E	3	3
能源科技應用	Energy Technology Applications	E	3	3
專業實習(二)	Professional Internship II	E	6	6

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備註:R=Required;E=Elective

Requirements

1. The minimum graduation requirement is 128 credits, including 28 university-required credits, 8 college-required credits, 48 department-required credits, and 44 professional elective credits.
2. The number of credits to be taken each semester is as follows: students in the first to third year must take 16–25 credits per semester, while fourth-year students must take 9–25 credits per semester. Detailed regulations shall be governed by the university academic policies.
3. In accordance with the university's "Implementation Guidelines for Chinese Language Proficiency Assessment," "Implementation Guidelines for English Language Proficiency Assessment," "Implementation Guidelines for Information Technology Proficiency Assessment," and "Implementation Guidelines for Physical Fitness Assessment," students must pass the required assessments in Chinese language proficiency, English language proficiency, information technology proficiency, and physical fitness in order to graduate.
4. Students must meet the assessment standards stipulated in the department's "Professional Competency Assessment Regulations" in order to graduate. Certificates obtained through passing the university's Information Technology Proficiency Assessment may also be recognized by the department as certificates of fundamental workplace information application skills.
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 of the department.
6. Students may take courses offered by other departments that are not available in this department. Credits earned from such courses and approved by the department may count toward professional elective credits for up to 20 credits in total (including credits from interdisciplinary programs). Credits earned from interdisciplinary programs may also be counted separately. Students may also take courses at other institutions if such courses are not offered by this department; however, only one course may be taken. The credits earned shall be included in the calculation of elective credits from other departments. Cross-institutional course enrollment shall be handled in accordance with the university's intercollegiate course selection regulations.
7. Students participating in the Ministry of National Defense Reserve Officers' Training Corps (ROTC) program who complete winter and summer training and obtain certification may apply for credit waivers for departmental internship courses and credits, up to a maximum of 10 credits. Students applying for a waiver of a full-semester internship must complete registration and enroll in at least one additional course during the internship semester.
8. For the department's Enterprise Internship, Professional Internship (I), and Professional Internship (II), one credit shall correspond to a maximum of 64 internship hours.