

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):(資訊科技系四年制產學合作學士海外青年技術訓練班) 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(日間學制四年制)

第一學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
職場溝通華語	Chinese for Workplace	R	2	4
職場倫理	Workplace Ethics	R	2	2
實用生活華語(一) 入門基礎級	Situational ChineseI Breakthrough Level	R	3	6
計算機概論	Introduction to Computer Science	R	3	3
網路技術概論	Foundation of Network Technology	R	3	3
物聯網與實習	Internet of Things and Practice	R	3	3
產業製造程序	Industrial Manufacturing Processes	E	3	3
管理資訊系統	Management Information Systems	E	3	3
程式思維與資料結構	Programming Logic and Data Structures	E	3	3
第一學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
實用生活華語(二) 基礎級	Situational ChineseII Waystage Level	R	1	2
華語口語表達	Pronunciation of Chinese and Oral Expression	R	1	2
台灣社會與文化	Society and Culture of Taiwan	R	3	3
基礎程式設計	Fundamental Programming	R	3	3
人工智慧	Artificial Intelligence	R	3	3
製程設計	Process Design	E	3	3
職場工作倫理	Workplace Ethics	E	3	3
數位邏輯與實習	Digital Logic and Experiment	E	3	3
數位多媒體應用	Digital Multimedia Applications	E	3	3
第二學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
實用生活華語(三) 進階級	Situational ChineseIII Threshold Level	R	2	2
基礎網頁設計	Web Design Fundamentals	R	3	3
產業實務實習(一)	Industrial Practical Internship I	R	6	6
可程式控制器應用(一)	Programmable Logic Controller Applications I	E	3	3
3D列印與實習	3D Printing and Practice	E	3	3
電子電路與實習	Electronic Circuits and Experiments	E	3	3
電腦虛擬與擴增實境	Computer Virtualization and Augmented Reality	E	3	3
系統分析設計	System Analysis and Design	E	3	3
第二學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
華語文聽力與閱讀	Chinese Listening and Reading	R	2	2
電腦輔助機械製圖	Computer-Aided Mechanical Drafting	R	3	3
雲端應用	Cloud Applications	R	3	3
可程式控制器應用(二)	Programmable Logic Controller Applications II	E	3	3
逆向工程技術	Reverse Engineering Technology	E	3	3
RFID應用	RFID Applications	E	3	3
產業實務實習(二)	Industrial Practical Internship II	E	6	6
第三學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
專業英文	Professional English	R	2	2
資訊安全	Information Security	R	3	3

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產業實務實習(三)	Industrial Practical Internship III	R	6	6
工具機概論	Introduction to Machine Tools	E	3	3
數位系統設計	Digital System Design	E	3	3
智慧機器人程式設計	Intelligent Robot Programming	E	3	3
電子商務案例分析	Electronic Commerce Case Analysis	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
網路技術實務	Networking Practice	R	3	3
行動裝置軟體設計	Software Design of Mobile Devices	E	3	3
機械設備聯網實務	Machinery Equipment Networking Practice	E	3	3
電子商務	Electronic Commerce	E	3	3
大數據分析	Big Data Analysis	E	3	3
產業實務實習(四)	Industrial Practical Internship IV	E	6	6
第四學年第一學期				
1st Semester Fourth Year				
科目名稱	Course Title	R/E	Credits	Hours
產業實務實習(五)	Industrial Practical Internship V	R	6	6
電腦輔助工程設計	Computer-Aided Engineering Design	E	3	3
自動化機構設計	Automated Mechanism Design	E	3	3
無線感測網路	Wireless Sensor Networks	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
智慧製造生產線管理	Smart Manufacturing Production Line Management	R	3	3
綠能系統應用	Green Energy System Applications	E	3	3
機器視覺	Machine Vision	E	3	3
品質與可靠度	Quality and Reliability	E	3	3
網路遠端監控	Network Remote Monitoring	E	3	3
產業實務實習(六)	Industrial Practical Internship VI	E	6	6

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. Students may take courses offered by other departments that are not available in this department. Upon departmental approval, up to 20 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."
4. For Industrial Practice Internship (I), Industrial Practice Internship (II), Industrial Practice Internship (III), Industrial Practice Internship (IV), Industrial Practice Internship (V), and Industrial Practice Internship (VI) of the Overseas Compatriot Youth Technical Training Class Bachelor's Program for Industry-Academia Collaboration, each credit shall correspond to a minimum of 64 hours and a maximum of 80 internship hours.