

嶺東科技大學112學年度入學新生課程標準

Ling Tung University Curriculum Standards in effect since 2023

Department(系所別):Information Technology(資訊科 系碩士班) College(學院):College of AI Technology(智慧科技學院)

Academic Year of Entrance(入學年):2023

Program:M.D. for Day Division(日間部碩士班)

第一學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
書報討論(一)	Seminar I	R	2	2
行動與無線網路	Wireless Communications and Networks	E	3	3
高等演算法	Advanced Algorithm	E	3	3
雲端運算	Cloud Computing	E	3	3
資料倉儲理論與實務	Data Warehouse	E	3	3
資料庫規劃與設計	Database Planning and Design	E	3	3
圖形理論	Graph Theory	E	3	3
數位系統設計	Digital System Design	E	3	3
模糊理論與實務	Fuzzy Theory and Applications	E	3	3
適應性訊號處理	Adaptive Signal Processing	E	3	3
政策與經營管理	Policy and Business Management	E	3	3
人工智慧應用	Artificial Intelligence Applications	E	3	3
第一學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
書報討論(二)	Seminar II	R	2	2
分散式系統	Distributed Systems	E	3	3
多媒體安全	Multimedia Security	E	3	3
英文寫作方法	English Papers Writing	E	3	3
計算機網路	Computer networks	E	3	3
軟體工程	Software Engineering	E	3	3
通訊原理	Principles of Communications	E	3	3
微處理機介面技術	Interface Technology	E	3	3
資料探勘理論與實務	Data Mining	E	3	3
數位訊號處理	Digital Signal Processing	E	3	3
隨機程序	Random process	E	3	3
類神經網路	Neural Network	E	3	3
行銷策略講座	Marketing Strategy Seminar	E	3	3
第二學年第一學期				
科目名稱	Course Title	R/E	Credits	Hours
碩士論文	Master Thesis	R	3	3
書報討論(三)	Seminar III	E	2	2
平行演算法	Parallel Algorithm	E	3	3
高速網路	Highspeed networks	E	3	3
最佳化原理	Principles of Optimization	E	3	3
資訊安全專題	Special Topics On Information Security	E	3	3
網路系統與安全	Network System and Security	E	3	3
數位通訊	Digital communications	E	3	3
第二學年第二學期				
科目名稱	Course Title	R/E	Credits	Hours
碩士論文	Master Thesis	R	3	3
書報討論(四)	Seminar IV	E	2	2
展頻通訊	Spread Spectrum Communication Systems	E	3	3
陣列訊號處理	Array Signal Processing	E	3	3
軟體專案管理	Software Project Management	E	3	3

備註:R=Required;E=Elective

Regulations

1. The total credits required for graduation are 30 credits (comprising 4 required credits, 20 elective credits, and 6 thesis credits).

2. Credits per semester: First-year students may register for 6–16 credits in their first semester; all other semesters allow 3–16 credits.

3. Students must either complete the academic ethics course offered by the Taiwan Academic Ethics Education Resources Center and obtain a certificate of completion, or attend at least 6 hours of academic ethics-related workshops and obtain a certificate of participation. When applying for the master's thesis oral examination, students must submit one of the aforementioned certificates; only upon review and approval may the application for the oral examination proceed.

4. Graduate students who have completed the required courses and credits prescribed by the Graduate Institute within the specified period of study with passing grades, and who additionally meet at least one of the following requirements, may apply for the degree examination within the designated deadline. Graduation will be approved only after passing the examination:

(1) During the period of study, students must publish at least one academic paper in a peer-reviewed academic conference or journal.

(2) Obtain at least one international professional certification in the field of information technology.

(3) Participate in a national or higher-level competition using their research outcomes and be selected as a finalist.

(4) Execute an industry-academia cooperation project with an individual funding amount of NT\$100,000 or above. For students applying under this qualification, the topic and content of their thesis must be relevant to the said industry-academia cooperation project. In principle, each industry-academia cooperation project allows only one student to apply.

(5) Relevant academic thesis or publications must be reviewed and approved by the Academic Committee of the Department (Graduate Institute).