

國立彰化師範大學科技學院 人工智慧科技應用碩士學位學程碩士班

113學年度入學學生畢業條件暨課程架構表

最低畢業學分數24學分（不含論文指導6學分）

112.12.26學程課程委員會通過

113.01.23院務會議通過

學年 修別		第一學年	學分	學時	第二學年	學分	學時
必修	上學期	書報討論（一） Seminar I	2	2	專題研究(一) Special Research I 論文指導(一) Thesis Supervision I 論文 Thesis	1 3 0	2 0 0
	下學期	書報討論（二） Seminar II	2	2	專題研究(二) Special Research II 論文指導(二) Thesis Supervision II 論文 Thesis	1 3 0	2 0 0
選修	上學期	人工智慧在工程的應用 Application of Artificial Intelligence in Engineering	3	3	資料科學與公共政策 Data Science and Public Policy	3	3
		物聯網 Internet of Things	3	3	智慧物聯網實務 Smart Internet of Things Practice	3	3
		專家系統 Expert System	3	3	人工智慧與數位學習 Artificial Intelligence and Digital Learning	3	3
		產業技術現況與趨勢 Industrial Technology Status and Trends	3	3	智慧影像技術與應用 Smart Imaging Technology and Application	3	3
		以人為本之人工智慧教育 People-Oriented Artificial Intelligence Education	3	3	資料探勘 Data Mining	3	3
		社會資料科學基礎 Foundations of Social Data Science	3	3	智慧製造技術 Smart Manufacturing Technology	3	3
		Python 程式設計 Python Programming	3	3	人工智慧應用-虛擬/擴增實境 Artificial Intelligence Application - Virtual/Augmented Reality	3	3
		演算法 Algorithms	3	3	智慧綠能控制實務 Smart Green Energy Control Practice	3	3

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選修	下學期	智慧行銷與數位轉型 Smart Marketing and Digital Transformation	3	3			
		智慧電網 Smart Grid	3	3			
		智慧醫療影像及其應用 Smart Medical Imaging and Application	3	3			
		智慧儀控系統 Smart Instrument Control System	3	3			
		智慧型控制 Smart Control	3	3			
		大數據分析:商業應用與人力資源管理 Big Data Analytics: Business Application and Human Resource Management	3	3			
		人工智慧與車輛科技 Artificial Intelligence and Vehicle Technology	3	3			
畢業條件	<p>一、本學程碩士班最低畢業學分為24學分【包含必修6學分、選修18學分】，不含「論文指導（一）（二）」6學分。</p> <p>二、本學程碩士班學生選修外系、所、學程碩士班開課之科目經本學程認可者（最高6學分），需經指導教授及學程主任同意，可採認為畢業學分數。</p> <p>三、凡註冊後應至少修習一門科目（含論文），否則應辦理休學。已修畢最低畢業學分而論文尚在撰寫中者，次學年起每學期必須選修「論文」。</p> <p>四、本學程研究生欲修習教育學程者，依據本校教育學程修習辦法第19條規定，學生修習各師資類科教育專業課程，每學期修習學分數上限為該類科總學分數之三分之一。</p> <p>五、本學程學生須於論文口試前至少發表一篇研討會以上論文。</p> <p>六、本學程畢業生授予「工學」碩士學位。</p> <p>七、研究生應於申請學位考試前修習通過於「臺灣學術倫理教育資源中心」(<a href="https://ethics.nctu.edu.tw/">https://ethics.nctu.edu.tw/</a>)網路教學平台之「學術研究倫理教育」課程等相關規定。</p>						

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Graduation requirement	<ol style="list-style-type: none"><li>1. The credits for graduation from this program is 24 [including 6 credits of required courses and 18 credits of electives], excluding 6 credits of "Thesis Supervision (I) (II)".</li><li>2. Students pursuing a master's degree program may earn graduate credits by selecting courses from other graduate programs, subject to approval by their advisor and program director (maximum 6 credits). Those choosing courses in external postgraduate courses must comply with University regulations. After registration, students are obliged to register for at least one subject, which includes a thesis.</li><li>3. Upon registration, students must take at least one subject (including thesis). Otherwise, they should apply temporary suspension. For students who have completed the minimum graduation credits but are still writing their thesis, they must choose the subject "Thesis" every semester from the next academic year.</li><li>4. For postgraduate students who want to study Teacher Education Program, according to Article 19 of the "NCUE Teacher Educational Program Study Regulation", the maximum credits allowed per semester for professional courses in the teacher education category shall not exceed one-third of the total credits in this category.</li><li>5. Students in this program are required to present at least one seminar paper prior to the oral examination.</li><li>6. Graduates of this Master's degree program are awarded a Master of Engineering degree.</li><li>7. Graduate students should take the courses listed in the AREE (Center for Taiwan Academic Research Ethic Education, <a href="https://ethics.nctu.edu.tw/">https://ethics.nctu.edu.tw/</a>) before applying for the degree examination.</li></ol>
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