

Asia University (亞洲大學)

2021 Academic Curriculum Program for International Doctoral Students (110 學年度博士班國際生全英語課程規劃表)

It had approved at the University Curriculum Committee Meeting on 29/4/2021

學程名稱(中文)：人工智慧博士學位學程 (國際博士學生)

學程名稱(英文)：Ph. D. Program in Artificial Intelligence (International Doctoral Students)

Category	Course Title(中,英文)	Year of the program	Semester	Credits	Note
University Required Credits (6)	Ph.D. Dissertation 博士論文	2 nd	1 st & 2 nd	3	Total 6 credits
Program Required Credits(3) and Compulsory Credits (9)	Seminar (I) 專題講座 (一)	1 st	1 st	1	At least take 3 credits
	Seminar (II) 專題講座 (二)	1 st	2 nd	1	
	Seminar (III) 專題講座 (三)	2 nd	1 st	1	
	Data Science 資料科學	1 st	1 st	3	At least take 2 Compulsory Courses for Qualifying Examinations
	Machine Learning 機器學習	1 st	1 st	3	
	Algorithms 演算法	1 st	2 nd	3	
Program of Elective Credits (12)	Deep Learning 深度學習	1 st / 2 nd	1 st / 2 nd	3	
	Data Mining 資料探勘	1 st / 2 nd	1 st / 2 nd	3	
	Big Data Management 大數據資料處理	1 st / 2 nd	1 st / 2 nd	3	
	Speech Recognition 語音辨識	1 st / 2 nd	1 st / 2 nd	3	
	Computer Vision 電腦視覺	1 st / 2 nd	1 st / 2 nd	3	
	Image Processing 影像處理	1 st / 2 nd	1 st / 2 nd	3	
	Natural Language Processing 自然語言處理	1 st / 2 nd	1 st / 2 nd	3	
	Fuzzy Theory 模糊理論	1 st / 2 nd	1 st / 2 nd	3	
	Precision Medicine 精準醫療	1 st / 2 nd	1 st / 2 nd	3	

Blockchain Technology and Its Application 區塊鏈技術與應用	1 st / 2 nd	1 st / 2 nd	3	
Artificial Intelligence & Internet of Things (AIoT) 智慧物聯網 (AIoT)	1 st / 2 nd	1 st / 2 nd	3	
Cloud Computing Practices 雲端運算實務	1 st / 2 nd	1 st / 2 nd	3	
Robotic Computing 機器人計算	1 st / 2 nd	1 st / 2 nd	3	

Note(註)：

- ❖ The three compulsory courses for qualification examinations are Data Science, Machine Learning, and Algorithms, which the students must at least select 2 compulsory courses for qualification examinations. (資格考選考科目包含「資料科學」、「機器學習」、「演算法」，博士生應通過2科資格考試)。
- ❖ Graduation requirement:27 credits including 6 credits of thesis, 12 credits of Required Courses and 9 credits of Elective Courses. (總畢業學分數為27學分，含校及學程必修核心課程18學分與學程選修課程9學分)
- ❖ Students need to take 6 hours of designated courses through the online platform of the "Taiwan Academic Ethics Education Resource Center" and pass the general test scores before they can apply for degree exams. (依「亞洲大學學生學術研究倫理教育課程實施要點」109學年度(含)起入學之各系、所、學位學程的碩士班、碩士在職專班及博士班學制，【學生需透過「臺灣學術倫理教育資源中心」線上平台修習指定課程6小時，並於課程總測驗成績達及格標準，始得申請學位考試。】)

系所主管簽章：

學院院長簽章：

國際學院院長簽章：