

Curriculum of the GIAI PhD Program

Chang Gung University(For students admitted in Fall, 2024)

April 15, 2025 Revision

Required / Elective	Subject	1st Y			2nd Y	
		1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Required Courses	Technical Literature Survey (1)	1				
	Technical Literature Survey (2)		1			
	Introduction to Artificial Intelligence and Machine Learning	3				
Professional Elective (1)_Prerequisite Courses	Survey of Intelligent Technologies	3				
Professional Elective Courses(2)_Artificial Intelligence Foundation	Natural Language Processing		3			
	Deep Learning		3			
	Computer Vision	3				
Professional Elective Courses(3)_Biological and Medical Applications	Intelligence Medicine Engineering	3				
	Clinical Image Analysis		3			
	Digital Image Processing for Medical Applications		3			
Elective Courses	Generative AI Technologies	3		Independent Study	2	2
	Introduction to Cybersecurity	3		Technical Literature Survey	1	1
	Artificial Intelligence & Internet of Things		3			
	Blockchain Technologies: Foundation and Application		3			
	Multiagent Systems		3			
	AI IC Design		3			
Remark	1. Graduation Requirement: 26 credits (1) Required courses: 5 credits (2) Elective Courses: 15 credits ① If all three courses: "Deep Learning," "Computer Vision," and "Natural Language Processing" have been taken in his/her master's program, a student can be exempted from taking the Professional Elective (1) course. (Please refer to the department regulation on exemption conditions). Otherwise, students must take Professional Elective (1) for 3 credits. ② At least one course from each area of Professional Electives (2)(3) must be passed with a grade of A or A+. (3) Doctoral Dissertation: 6 credits (awarded upon passing the thesis defense). (4) Doctoral students taking courses from other departments must submit a "Cross-Departmental Course Application" before course selection. Upon approval, these courses can be counted towards graduation credits. Cross-departmental courses must be related to the student's research, with a maximum of 6 credits allowed. 2. Graduation is contingent upon meeting the English graduation threshold. For detailed regulations, please refer to the "Implementation Measures for English Graduation Threshold" provided by the Language Center of CGU.					