

**Curriculum of the Artificial Intelligence Division,
Graduate Institute of Clinical Medical Sciences
Chang Gung University (For students admitted in Fall, 2025)**

April 10, 2026 Revision

Required / Elective	Subject	1st Y		Subject	2nd Y	
		1st Sem.	2nd Sem.		1st Sem.	2nd Sem.
Required Courses	Introduction to Intelligent Methodologies	3				
	Technical Literature Survey	1	1			
Professional Elective Courses(1)_Artificial Intelligence Foundation	Natural Language Processing		3			
	Deep Learning Architecture	3				
	Advanced Computer Vision		3			
Professional Elective Courses(2)_Biological and Medical Applications	Intelligent Medical Engineering	3				
	Clinical Image Analysis		3			
	Digital Image Processing for Medical Applications		3			
Elective Courses	Generative AI Technologies	3		Independent Study	2	2
	Blockchain Technologies: Foundation and Application	3		Technical Literature Survey	1	1
	Artificial Intelligence & Internet of Things		3			
	Introduction to Cybersecurity		3			
	Multiagent Systems		3			
Remark	<p>1. Graduation Requirement: 26 credits (1) Required courses: 5 credits (2) Elective Courses: 15 credits ① At least one course from each area of Professional Electives (1)(2) 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.</p> <p>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.</p>					