

Curriculum of Graduate Institute of Health Data Science
(For students admitted in Fall, 2026) 2026.04.24

Required /Elective	Subject	Year 1		Subject	Year 2	
		1st Semester	2nd Semester		1st Semester	2nd Semester
Required	Introduction to Intelligent Methodologies	3				
	Introduction of Health Data Science	3		Seminar	1	
	Artificial Intelligence in Health Sciences Application		3			
	Seminar	1	1			
Elective	Computer Vision	3		Multiomics Data Mining and Meta-Analysis		3
	Data Analytics	3		Health Data Consolidation and Platforms	3	
	Deep Learning	3		Genomic Data Science	3	
	Generative Artificial Intelligence	3		Health Signal Processing and Timing Analysis		3
	Intelligence Medicine Engineering	3		Clinical Image Analysis		3
	Medical Image Processing	3				
	Bioinformatic Analysis	3				
	Machine Learning and Health Data Analysis		3			
	Big Data Analytics Practice		3			
	Natural Language Processing and Applications		3			
	Clinical Informatics		3			
	Machine Learning and Its Medical Applications		3			
	Generative Artificial Intelligence Applications		3			
	Medical Imaging Analysis and AI in Medical Diagnostics		3			
Note	1. Academic Track: Graduation Credits: 30 credits (1) Required Courses: 12 credits (2) Elective Courses: 12 credits (A minimum of 6 credits must be taken from the institute) (3) Thesis: 6 credits (awarded upon passing the degree examination and submitting a thesis that passes the review)					
	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 our university.					
	3. With the approval of the advisor, students may take up to 6 credits of courses from other master's programs. Students intending to take courses from other institute should complete the "Application for Taking Courses from Other Departments" form, follow the application procedure, and submit it to the institute for approval.					
	4. Recognition of TAICA Course Credits for Computer Vision, Deep Learning, and Natural Language Processing.					