

International Program on Artificial Intelligence Technology

List of Core Courses for 2025

Category	Subject	Credits	Freshman		Sophomore		Junior		Senior	
			Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring
GE Core	Chinese Society and Culture A85A04	3	3							
	English Reading A85A02	3	3							
	English Writing and Composition A85A03	3		3						
	Smart Tech 101 A93A29	2	2							
	Basic Medicine-Codes in Health and Medicine A93A28	2		2						
	Physical Education I, II A93A15, A93A16	0			1	1				
IPAI & Dept. Core	Introduction to Computer Science A8DE01	4	4							
	Calculus(I)(II) A8D001 A8D002	6	3	3						
	Digital Logic Design A09400	3	3							
	Introduction of Artificial Intelligence Technology A09907	1	1							
	Physics A09411	3	3							
	MATLAB Programming A09412	3		3						
	Computer Programming A09200	3		3						
	Engineering Mathematics (I)(II) A09203 、A09205	6			3	3				
	Electric Circuits A09204	3			3					
	Electronics A09206	3			3					
	Python Programming A09413	3			3					
	Signal & System A09410	3			3					
	Automatic Control A09202	3			3					
	Control Engineering Laboratory A09207	1				1				
	Electronics Laboratory A09209	1				1				
	Microprocessor A09401	3				3				
	Computer Vision A09406	3				3				
	Digital Systems Laboratory A09415	1					1			
	Artificial Intelligence A09407	3					3			
	Special Topic (I)(II) A09212 、A09213	4						2	2	
	Machine Learning A09314	3						3		
	English Proficiency A09000	0							0	
Core Credits		78	22	14	19	12	4	5	2	0
Elective	GE Elective Credits	10	https://cge.isu.edu.tw/en-US/page/Curriculum%20Framework-aOZmzQcFd0uH Regulations: https://cge.isu.edu.tw/en-US/page/Liberal%20Arts%20Education-5dITgY6W16ac							
	Elective Credits	40	https://ipai.isu.edu.tw/en-US/page/Curriculum-co5dCJMyspQt							
Required Credits for Graduation		128								

Remark:

Students are required to meet the requirements set by IPAI for “English Proficiency”, in addition to earning the required number of credits to be eligible for graduation.

(For detailed information about the four-year curriculum, please refer to the website of IPAI)

