

Department of International Program on Intelligent Systems and Automation Engineering List of Core Courses for 2019

Category	Subject	Credits	Freshman		Sophomore		Junior		Senior		
			Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	
GE Core	Chinese Literature A09900	3	3								
	English Reading A09901	3	3								
	English Writing and Composition A09902	3		3							
	Modern Culture and History A09903	4 choose 1	3	3							
	World Culture A09904										
	Presentation Skill A09905										
	Second Language A09906										
	Computer Programming A09200	3		3							
	Basic Medicine-Codes in Health and Medicine A93A19	2		2							
	Service Education I, II A93A17, A93A18	0	0	0							
Physical Education I, II A93A15, A93A16	0			0	0						
ISAE & Dept. Core	Introduction to Computer Science A80E01	4	4								
	Calculus(I)(II) A09100 、 A09102	6	3	3							
	Physics A09411	3	3								
	Digital Logic Design A09400	3	3								
	Mechanism A09201	3			3						
	Electric Machinery A09408	3				3					
	Automatic Control A09202	3				3					
	Microprocessor A09401	3				3					
	Communication System A09409	3					3				
	Computer Vision A09406	3					3				
	Artificial Intelligence A09407	3						3			
	Linear Algebra A09402	3		3							
	Engineering Mathematics (I)(II) A09203 、 A09205	6			3	3					
	Electric Circuits A09204	3			3						
	Signal & System A09410	3			3						
	Electronics A09206	3			3						
	Control Engineering Laboratory A09207	1				1					
	Electronics Laboratory A09209	1				1					
	Digital Systems Laboratory A09208	1					1				
	Communication System Laboratory A09210	1					1				
	Mechatronics Laboratory A09211	1						1			
	Special Topic(I)(II)A09212 、 A09213	4						2	2		
	English Proficiency A09000	0							0		
	Core Credits	81	19	17	15	14	8	6	2	0	
Elective	GE Elective Credits	15	http://www.ene.isu.edu.tw/2018/showpage_v01.php?dept_mno=454&dept_id=4&page_id=34760								
	Elective Credits	32	https://www.isu.edu.tw/2018/showpage_v01.php?dept_mno=657&dept_id=5&page_id=30167								
Required Credits for Graduation		128									

Remark:

1. A total of 128 credits comprised of GE Core & Elective Courses 32 credits, College Courses 13 credits, ISAE Required Courses 51 credits, and Elective Courses 32 Credits.
2. Students are required to meet the requirements set by ISAE 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 ISAE)