I-SHOU UNIVERSITY
International Program on Artificial Intelligence Technology
4-Year Curriculum for Students Admitted in Academic Year 2025

Category	Freshman Year (2025)	Sophomore Year (2026)
GE core courses: required (15 credits)	A85A02 English Reading [3]1st A85A04 Chinese Society and Culture [3]1st A93A29 Smart Tech 101 [2]1st A85A03 English Writing and Composition [3]2nd A93A28 Basic Medicine-Codes in Health and Medicine [2]2nd	A93A15 Physical Education (I) [1]1st A93A16 Physical Education (II) [1]2nd
College-required courses (10 credits)	A8DE01 Introduction to Computer Science [4]1st A8D001 Calculus(I) [3]1st A8D002 Calculus(II) [3]2nd	

Category	Freshman Year (2025)	Sophomore Year (2026)	Junior Year (2027)	Senior Year (2028)
Department-required courses (53 credits)	A09400 Digital Logic Design [3]1st A09907 The Introduction of Artificial Intelligence Technology [1]1st A09411 Physics [3]1st A09412 MATLAB Programming [3]2nd A09200 Computer Programming [3]2nd	A09202 Automatic Control [3]1st A09203 Engineering Mathematics (I) [3]1st A09204 Electric Circuits [3]1st A09206 Electronics [3]1st A09410 Signals & Systems [3]1st A09413 Python Programming [3]1st A09205 Engineering Mathematics (II) [3]2nd A09207 Control Engineering Laboratory [1]2nd A09209 Electronics Laboratory [1]2nd A09401 Microprocessor [3]2nd A09406 Computer Vision [3]2nd	A09407 Artificial Intelligence [3]1st A09415 Digital Systems Laboratory [1]1st A09212 Special Topic (I) [2]2nd A09314 Machine Learning [3]2nd	A09213 Special Topic (II) [2]1st A09000 English Proficiency [0]
Departmental electives (≧20 credits)	A09323 Computer-Aided Drafting [3]	A09214 Linear Algebra [3] A09300 Introduction to Intelligent Robotics [3] A09319 Advanced Materials Science [3] A09320 Automation Industry [3] A09322 Probability and Statistics [3] A09404 Numerical Analysis [3]	A09301 Sensing Technology [3] A09304 Database Management System [3] A09305 Pneumatics and Hydraulics [3] A09306 Programmable Logic Controller [3] A09307 Mechatronics [3] A09310 Mobile Device Programming [3] A09311 Cloud Computing [3] A09312 Big Data Analysis [3] A09313 Single-chip Controller [3] A09315 Embedded System [3] A09316 Introduction to Internet of Things [3] A09325 3-D Printing Technology [3] A09416 Deep Learning [3]	A09909 Off-campus Internship (I) [3]1st A09910 Off-campus Internship (II) [3]1st A09911 Off-campus Internship (III) [3]1st A09912 Off-campus Internship (IV) [3]2nd A09913 Off-campus Internship (V) [3]2nd A09914 Off-campus Internship (VI) [3]2nd A09317 Semiconductor Fabrication [3] A09324 CAD/CAM [3] A09326 Robotics [3] A09327 Smart Building [3] A09328 Chemical Program Control [3] A09329 VR/AR [3] A09405 Fuzzy Control [3] A09418 Intelligent Image Analysis and

			A09417 Data Mining [3] A09419 Introduction to Embedded Programming [3]	Processing [3]
GE liberal arts education	GE liberal arts education: elective, **10** credits from “Humanities and Arts”, “Nature and Technology” , “Social Science”			
Cross-domain electives	Up to **20** credits earned from courses, whether required or elective, offered by other departments/programs at I-Shou University or its partner universities will be recognized by the Department as credits from electives.			
Credits required for graduation from the Department	**128** credits			
Note	1. Students are required to meet the requirements specified by IPAI for English Proficiency, in addition to earning the required number of credits to be eligible for graduation. 2. International students who want to practice off-campus during the senior year must take the courses Off-campus Internship (I) ~ Off-campus Internship (VI) for a total of 18 credits, but only 9 credits are recognized and counted as graduation credits.