

# I-SHOU UNIVERSITY Department of Civil Engineering 4-Year Curriculum for Students Admitted in Academic Year 2026

Category	Freshman Year	Sophomore Year		
<b>GE core courses: required (16 credits)</b>	A93A34 Academic English [2]1st A93A35 Professional English [2] 2nd A93A29 Secret Codes in Intelligent Technologies [2]2nd A93A21 Civic Literacy in the Era of Globalization [2]2nd	A93A28 Codes in Health and Medicine [2]1st A93A20 Programming [2]2nd	A93A36 Chinese Literature - Speculative and Expression [2] 1st A93A15 Physical Education (I) [1]1st A93A16 Physical Education (II) [1]2nd	
<b>College-required courses (14 credits)</b>	A83817 Calculus (I) – Digital Learning [1] 1st A83819 Calculus( I ) [2] 1st A83818 Calculus( II )Digital Learning [1] 2nd A83820 Calculus( II ) [2] 2nd	A83815 General Physics(I) [3] 1st A83E03 Green Permanence Cipher [2] 2nd	A83809 Engineering Mathematics [3] 1st	
Category	Freshman Year(2026)	Sophomore Year(2027)	Junior Year(2028)	Senior Year(2029)
<b>Department-required courses (53credits)</b>	A06193 Introduction to Engineering drawing [2] 1st A06131 Surveying [3] 1st A06223 Surveying Practice(I) [1] 1st A06132 Computer Aided Design and Manufacturing Internship[1] 1st A06300 Engineering design thinking [2] 1st A06143 AI Applications In Civil Engineering [1] 1st A06224 Surveying Practice( II ) [1] 2nd A06832 Statics [3] 2nd	A06834 Strength of Materials [3] 1st A06837 Construction Materials [1]1st A06838 Experimental practice of sustainable materials [1] 1st A06346 Experimental practice of Explore Geotechnical [1] 1st A06347 Rock Mechanics [3] 1st A06348 Foundation Engineering [3] 2nd A06238 Hydrology and Experiment [3] 2nd A06327 Structural Analysis [3] 2nd A06349 Structural design experiment implementation [1] 2nd	A06328 Reinforced Concrete [3] 1st A06345 Experimental practice of Zero carb on building [1] 1st A06243 Fluid Mechanics and Experiment. [3] 1st A06323 Environmental Engineering [3] 1st A06326 Traffic Engineering [3] 2nd A06241 Special topics on Construction Management [2] 2nd A06521 Engineering Statistics [3] 2nd	A06511 Independent Study [2] 1st A06420 English Proficiency [0] 1st A06B98 Interdisciplinary Competencies [0]1st
<b>Departmental electives (≥13credits)</b>	A06197 Introduction to Technology Applications [3] A06198 Exploration of AI Applications [2] A06617 Engineering Ecology [2] A06522 Ecological Engineering [2]	A06199 Intelligent Disaster Prevention Practice [3] A06200 Introduction to Architecture [3] A06492 Engineering Economics [3] A06491 Construction Planning and Estimating [2] A06816 Global Communication Skills [2]	A06244 Applications of Sustainable Materials [3] A06245 Civil Engineering Technology Applications Practice [3] A06415 Steel Structure Design and Construction [3] A06343 Green building [2] A06426 Building Information Modeling [3] A06725 Trends and Outlook in the Construction Industry[1]	A06800 Engineering Management in Practice [3] A06342 Management Science [3] A06795 Seismic Assessment and Retrofit Techniques of [3] A06437 Pavement Engineering [3] A06414 Sustainable and Environmental Issues [3] A06726 Building Information Modeling II [3]
<b>GE liberal arts education</b>	GE liberal arts education: elective, <b>10</b> credits from “Humanities and Arts”, “Nature and Technology”, “Social Science”, <b>2</b> credits from “College Humanistic Literacy Courses”.			
<b>Cross-domain electives</b>	Up to <b>20</b> 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. <b>If they exceed 15 credits, at least 4 of those credits must include courses from the "Sustainable Engineering Design and Practice" program.</b>			
<b>Credits required for graduation from the Department</b>	<b>128 Credits</b>			
<b>Note</b>	Undergraduate students admitted to the University in or after Academic Year 2026 are required to fulfill all of the following requirements during the prescribed duration of study to be eligible for graduation: I. Earning the number of course credits required by their major department; II. Completing one required cornerstone course offered by another college and earning a passing score; the credits earned from this course may be counted toward the Liberal Arts Education category, up to a maximum of four credits; III. Fulfilling one of the University’s English proficiency requirements for graduation by submitting a valid test report recognized by the University; IV. Interdisciplinary Learning: Completing a minor or a secondary major recognized by the University, or completing an interdisciplinary credit program or micro-credit program offered by the University and obtaining a certificate of completion issued by the program.			

