

I-SHOU UNIVERSITY
Post-Baccalaureate 2-Year Bachelor's Degree Program
in Equipment Engineering
2-Year Curriculum for Students Admitted in Academic Year 2025

義守大學設備工程專班
114 學年度入學新生二年課程計畫表

****Curriculum Guideline**** Required Credits for Graduation :

48 credits in total, including 24-credit required courses (18-credit off-campus internship, 6-credit Chinese language courses) and 24-credit elective courses (excluding professional internship (I) (II) elective courses 6 credits).

(畢業學分數：共 48 學分，含必修 24 學分(華語 6 學分及校外實習 18 學分)，選修 24 學分(不含專業實習(一)(二)選修課程 6 學分)。

*** All students must complete 30 credits by the end of the first year.***

First Year

大一課程表

Course Code	Course Title	Fall (上)	Spring (下)	Required/ Elective 必/選修	
A61217	Chinese Listening and Reading Training (I) 華語聽力與閱讀(一)	3		Required	
A61219	Chinese Listening and Reading Training (II) 華語聽力與閱讀(二)		3	Required	
A61200	Computer Programming 計算機程式	3		Elective	
A61201	Automatic Control 自動控制	3		Elective	
A61202	Intelligent Control 智慧控制	3		Elective	
A61203	Engineering Mathematics 工程數學	3		Elective	
A61207	Control Engineering Laboratory 控工實驗	3		Elective	
A61210	Semiconductor Fabrication 半導體製程	3		Elective	
A61211	Practice in mechanical workshop 智慧機械工廠實習	3		Elective	
A61212	Special Topic 專題實作	3		Elective	
A61302	Semiconductor Fabrication Laboratory 半導體製程實驗	3		Elective	
A61312	Big Data Analysis 大數據分析	3		Elective	
A61313	Machine Learning 機器學習	3		Elective	
A61317	Introduction to Internet of Things 物聯網概論	3		Elective	
A61407	Artificial Intelligence 人工智慧	3		Elective	

A61416	Deep Learning 深度學習	3	Elective	
A61417	Data Mining 資料探勘	3	Elective	
A61419	Intelligent Image Analysis and Processing 智慧影像分析處理	3	Elective	
A61521	Introduction to Electrical Engineering 電機概論	3	Elective	
A61551	Internship of Computer Aided Design and Manufacturing 電腦輔助設計與製造實習	3	Elective	
A61845	Electric Machinery 電機機械	3	Elective	
A61847	Electric Machinery Laboratory 電機機械實驗	3	Elective	
A61848	Theory of Machines and Mechanisms 機械原理	3	Elective	
Total		69		Required 6 Elective 63

Second Year

大二課程表

Course Code	Course Title	Fall (上)	Spring (下)	Required/ Elective 必/ 選修	
A61909	校外實習(一) Off-campus Internship (I)	3		Required	
A61910	校外實習(二) Off-campus Internship (II)	3		Required	
A61911	校外實習(三) Off-campus Internship (III)	3		Required	
A61912	校外實習(四) Off-campus Internship (IV)		3	Required	
A61913	校外實習(五) Off-campus Internship (V)		3	Required	
A61914	校外實習(六) Off-campus Internship (VI)		3	Required	Capstone 總結
A61915	專業實習(一) Professional Internship (I)	3		Elective	
A61916	專業實習(二) Professional Internship (II)		3	Elective	
Total		24			Required 18 Elective 6

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Category	Freshman Year(2025)	Sophomore Year(2026)
GE core courses: required (24 credits)	A6121700 Chinese Listening and Reading Training (I) [3] 1st A6121900 Chinese Listening and Reading Training (II) [3] 2nd	A6190900 Off-campus Internship (I) [3] 1st A6191000 Off-campus Internship (II) [3] 1st A6191100 Off-campus Internship (III) [3] 1st A6191200 Off-campus Internship (IV) [3] 2nd A6191300 Off-campus Internship (V) [3] 2nd A6191400 Off-campus Internship (VI) [3] 2nd
Departmental electives (24 credits)	A6120000 Computer Programming [3] A6120100 Automatic Contro [3] A6120200 Intelligent Control [3] A6120300 Engineering Mathematics [3] A6120700 Control Engineering [3] A6121000 Semiconductor Fabrication [3] A6121100 Practice in mechanical [3] A6121200 Special Topic [3] A6130200 Semiconductor Fabrication Laboratory [3] A6131200 Big Data Analysis [3] A6131300 Machine Learning [3] A6131700 Introduction to Internet of Things [3] A6140700 Artificial Intelligence [3] A6141600 Deep Learning [3] A6141700 Data Mining [3] A6141900 Intelligent Image Analysis and Processing [3] A6152100 Introduction to Electrical Engineering[3] A6155100 Internship of Computer Aided Design and Manufacturing [3] A6184500 Electric Machinery [3] A6184700 Electric Machinery Laboratory [3] A6184800 Theory of Machines and Mechanisms [3]	A6191500 Professional Internship (I) [3] 1st A6191600 Professional Internship (II) [3] 2nd
Credits required for graduation from the Department	48 credits	
Note	1.Required Credits for Graduation : 48 credits in total, including 24-credit required courses (18-credit off-campus internship, 6-credit Chinese language courses) and 24-credit elective courses (excluding professional internship (I) (II) elective courses 6 credits) 2.學生應於大二校外實習前於大一修畢30學分。	