

義守大學工業管理學系 111 學年度入學新生四年課程計畫表

* 本系總畢業學分數為 128 學分，分下列七項：

- (一) 通識核心課程必修 18 學分
 - (二) 通識博雅課程選修 10 學分
 - (三) 服務教育課程必修 0 學分
 - (四) 體育健康課程必修 0 學分
 - (五) 院必修 21 學分 (包括 1 門院共同基礎核心必修課程)
 - (六) 系必修 45 學分：學術暨實務課程 9 學分，學術課程 18 學分，實務課程 17 學分，總結課程 1 學分
 - (七) 系選修 19 學分 (系選修共 34 學分，含其餘選修在內)
 - 1. 學術課程 15 學分： 78 學分選 15 學分
 - 2. 實務課程 15 學分： 75 學分選 15 學分，至少應選修校外實習課程 3 學分
- ▲ 其餘選修 15 學分 (學生可從本系或外系課程自由選課)

大一課程表 (111)

類別	科目代號	科目名稱	上 下		必/選修	備註
通識必修	A93A17	服務教育 (一)	0		必	
	A93A18	服務教育 (二)		0	必	
	A93A20	程式設計	2		必	核心
	A93A22	華語文學1.0: 閱讀與敘事溝通		2	必	核心
	A93A30	實用英語<一>	1		必	核心
	A93A31	實用英語<二>		1	必	核心
	A93A28	健康醫學密碼		2	必	核心
	A93A29	智慧科技密碼	2		必	核心
院必修	A82110	經濟學(一)	3		必	
	A82116	大數據概論與應用軟體		2	必	
	A82111	經濟學(二)		3	必	
	A82105	會計學(一)	3		必	
	A82E01	管理學		4	必	
系必修	A20076	工業管理概論	3		必	學術
	A20125	計算機程式		3	必	學術
	A20459	智慧科技與管理初探	1		必	共同
	A20257	電腦圖學		3	必	實務
	A20260	工程經濟原理與實作		3	必	實務
系選修課程	A20163	企業概論		3	選	學術C
	A20235	電腦網路應用		3	選	實務B
	A20191	科技管理		3	選	學術C
	A20195	生涯與職涯發展		3	選	
	A20368	科技產業分析		3	選	

大二課程表 (112)

類別	科目代號	科目名稱	上 下		必/選修	備註
通識必修	A93A32	實用英語<三>	2		必	核心
	A93A33	實用英語<四>		2	必	核心
	A93A23	華語文學2.0: 思辨與文案創作	2		必	核心
	A93A15	體育 (一)	0		必	核心
	A93A16	體育 (二)		0	必	
	A93A21	全球化之公民素養	2		必	
院必修	A82113	統計學(一)	3		必	
	A82203	統計學(二)		3	必	
系必修	A20232	管理數學	3		必	學術
	A20253	工作研究	3		必	學術
	A20254	作業管理		3	必	實務
系選修課程	A20297	互動網頁設計	3		選	實務
	A20750	區塊鏈概論		2	選	學術
	A20238	資料庫管理		3	選	共同 B
	A20229	組織行為		3	選	學術
	A20340	行銷管理		3	選	共同 C
	A20353	應用力學		3	選	
	A20293	產品創意設計		3	選	
	A20256	線性代數		3	選	
	A20259	創業經營管理		3	選	
	A20331	投資管理		3	選	
	A20767	行動 APP 開發設計		3	選	
	A20409	科技趨勢與商機		3	選	
	A20339	人力資源管理		3	選	學術 C
	A20310	職業安全與衛生		3	選	共同 B
	A20365	電子商務		3	選	學術 B
A20775	工業 4.0		3	選		
A20298	電腦數位繪圖		3	選	實務	

本學年必修學分數			38		

	A20299	雲端基礎概論	3	選	實務
	A20751	金融科技	3	選	
	A20752	跨域初探	2	選	
本學年必修學分數			21		

義守大學工業管理學系 111 學年度入學新生四年課程計畫表

大三課程表 (113)

大四課程表 (114)

	科目代號	科目名稱	上	下	必/選修	備註
	系必修	A20369	品質管理	3		必
A20456		專題製作(一)	1			實務
A20330		設施規劃	3		必	共同
A20313		作業研究(一)	3		必	共同
A20370		資訊管理	3		必	學術
A20457		專題製作(二)		1	必	實務
A20344		人因工程		3	必	共同
A20166		製造程序		3	必	實務
系選修課程	A20429	物料管理	3		選	共同A
	A20332	決策分析	3		選	學術B
	A20366	專案規劃與排程	3		選	共同A
	A20437	電腦輔助製造	3		選	實務A
	A20361	工業自動化概論	3		選	共同A
	A20478	迴歸分析	3		選	
	A20600	科技英文	3		選	
	A20485	勞資關係	3		選	
	A20438	田口式品質工程	3		選	
	A20564	運籌管理	3		選	
	A20598	企業資源規劃	3		選	
	A20300	人工智慧概論	3		選	
	A20305	精實企業系統	3		選	
	A20306	電腦整合製造	3		選	
	A20769	商業智慧應用	3		選	
	A20766	區塊鏈與智能合約	3		選	
	A20597	網路行銷	3		選	
	A20771	視覺現象管理	3		選	
	A20774	智慧製造概論	3		選	
	A20776	作業研究(二)	3		選	共同
A20753	跨域實踐	2		選	學術	

	科目代號	科目名稱	上	下	必/選修	備註
	校 必 系 必 修	A20497	英文能力	0		必
A20800		技術發表實習	1		必	總結
A20404		工廠實務	2		必	實務
系 選 修 課 程	A20442	品管實務	3		選	實務A
	A20449	專案管理	3		選	共同A
	A20482	企業經營診斷	3		選	共同C
	A20477	顧客關係管理	3		選	實務C
	A20461	模糊理論	3		選	共同B
	A20367	採購管理	3		選	共同A
	A20454	全面品質管理	3		選	共同A
	A20488	產品設計開發管理	3		選	
	A20448	類神經網路	3		選	
	A20489	資料探勘	3		選	
	A20447	服務業管理	3		選	學術C
	A20458	策略管理	3		選	學術C
	A20446	商業自動化	3		選	學術C
	A20430	系統模擬	3		選	學術A
	A20590	孫子兵法與管理理論	3		選	學術C
	A20768	大數據視覺化設計	2		選	
	A20496	專業簡報英文	3		選	
	A20348	人機介面	3		選	
	A20472	機器視覺	3		選	
	A20420	實驗設計	3		選	
	A20453	半導體製程管理	3		選	
	A20505	校外實習(一)	3		選	實務
	A20506	校外實習(二)	3		選	實務
	A20507	校外實習(三)	3		選	實務
	A20410	3D列印技術與應用	3		選	實務
	A20770	健康資料庫應用	2		選	
	A20599	職能與倫理	2		選	
A20078	服務與知識實踐	2		選		

A20374	智慧商務	3	選	
本學年必修學分數		20		

A20694	企業永續經營	3	選	
A20695	元宇宙領航	3	選	
本學年必修學分數		3		

(系所章戳)



I-SHOU UNIVERSITY
Department of Industrial Management
4-Year Curriculum for Students Admitted in Academic Year 2022

*** Credits required for graduation from the Department: 128, including:**

1. GE core courses: required, **18** credits
2. GE liberal arts education: elective, **10** credits
3. Service Education: required, **0** credits
4. Physical Education: required, **0** credits
5. College-required courses: **21** credits (including ___ college-level cornerstone courses)
6. Department-required courses: **45** credits, including academic + practical courses: **9** credits, academic courses: 18 credits, practical courses: **17** credits, and capstone courses: **1** credits
7. Departmental electives: 19 credits
 - a. Academic courses: **15** credits; taking **78** credits out of **15** credits
 - b. Practical courses: **15** credits; taking **75** credits out of **15** credits; at least **3** credits from off-campus internship
8. Other electives: **15** credits

Notes:

1. Students are required to meet the requirements set by the Department for “English Proficiency,” “Information Competency,” and “Professional Certification,” in addition to earning the required number of credits to be eligible for graduation.
2. Before graduation, students are required to take at least one required cornerstone course offered by another college. The credits earned from such courses may be recognized as part of the credits under the category of Liberal Arts Education, but only a maximum of four credits will be recognized accordingly. (For more details about required cornerstone course offered by different colleges, please refer to the announcement on the website of the Curriculum Section.)

Freshman Year (2022)

Sophomore Year (2023)

Category	Course Code	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark	Category	Course Code	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark	
General Education	A93A17	Service Education (I)	0		Required		General Education	A93A15	Physical Education (I)	0		Required		
	A93A18	Service Education (II)		0	Required			A93A16	Physical Education (II)		0	Required		
	A93A20	Programming	2		Required	Core(2 credits)		A93A23	Chinese Literature 2.0- Critical thinking and creativity in writing	2		Required	Core	
	A93A22	Chinese Literature 1.0- Reading, Narration and communication		2	Required	Core		A93A21	Civic Literacy in the Era of Globalization	2		Required	Core (Freshman Year 2nd Semester or Sophomore Year 1st Semester)	
	A93A30	English in Practice I	1		Required	Core		A93A32	English in Practice III	2		Required	Core	
	A93A31	English in Practice II		1	Required	Core		A93A33	English in Practice IV		2	Required	Core	
	A93A28	Unraveling the Mystery of Health		2	Required	Core(2 credits)		College-required Courses	A82113	Statistics (I)	3		Required	
	A93A29	Smart Tech 101			Required	Core(2 credits)			A82203	Statistics(II)		3	Required	
College-required Courses	A82110	Economy(I)	3		Required		Department-required Courses	A20232	Managerial Mathematics	3		Required		
	A82116	Big Data and Programming		2	Required			A20253	Work Study	3		Required		
	A82111	Economy(II)		3	Required			A20254	Operations Management		3	Required		
	A82105	Accounting(—)	3		Required									

	A82E01	Management		4	Required	
Department- required Courses	A20076	Introduction to Industrial Management	3		Required	
	A20125	Computer Programming		3	Required	
	A20459	Exploring Intelligent Technology and Management	1		Required	
	A20257	Computer Graphics		3	Required	
	A20260	The Principles and Practices of Engineering Economics		3	Required	
Departmental Electives	A20163	Introduction to Business		3	Elective	
	A20235	Internet and Intranet Application		3	Elective	
	A20191	Technology Management		3	Elective	
	A20195	Career Development		3	Elective	
	A20368	Technology Industry Analysis		3	Elective	
Total Required Credits for this Academic Year			38			

	A20297	Interactive web design	3		Elective	
Departmental Electives	A20750	Introduction to blockchain		3	Elective	
	A20238	Database Management		3	Elective	
	A20229	Organizational Behavior		3	Elective	
	A20340	Marketing Management		3	Elective	
	A20353	Applied Mechanics		3	Elective	
	A20293	Creative Product Design		3	Elective	
	A20256	Linear Algebra		3	Elective	Academic
	A20259	Enterpreneurship Management		3	Elective	Practical
	A20331	Investment Management		3	Elective	Common
	A20767	Mobile App Development and Design		3	Elective	
	A20409	Trend and Opportunity of New Technologies		3	Elective	
	A20339	Human Resource Management		3	Elective	
	A20310	Occupational Safety and Hygiene		3	Elective	
	A20365	Electronic Commerce		3	Elective	
	A20775	Industry_4.0		3	Elective	
	A20298	Computer digital graphics		3	Elective	
	A20299	Fundamental Cloud Computing		3	Elective	
	A20751	Fundamental Cloud Computing		3	Elective	
	A20752	Cross-Disciplinary Preliminary Study		3	Elective	
	Total Required Credits for this Academic Year			21		

I-SHOU UNIVERSITY
Department of XXXX

4-Year Curriculum for Students Admitted in Academic Year 2022

Junior Year (2024)

Senior Year (2025)

	Course Code	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark
Department-required Courses	A20369	Quality Management	3		Required	
	A20456	Seminar Practice I	1		Required	
	A20330	Facility Planning	3		Required	
	A20313	Operations Research I	3		Required	
	A20370	Data Processing	3		Required	
	A20457	Seminar Practice II		1	Required	
	A20344	Human Factor Engineering		3	Required	
	A20166	Manufacturing Process		3	Required	
Departmental Electives	A20429	Materials Management	3		Elective	
	A20332	Decision Analysis	3		Elective	
	A20366	Project Planning and Scheduling	3		Elective	
	A20437	Computer Aided Design and Manufacturing	3		Elective	
	A20361	Introduction to Industrial Automation	3		Elective	
	A20478	Regression Analysis	3		Elective	
	A20600	Technology English	3		Elective	
	A20485	Industrial Relations	3		Elective	
	A20438	Taguchi's Quality Engineering	3		Elective	
	A20564	Logistics Management	3		Elective	
	A20598	Enterprise	3		Elective	

	Course Code	Course Title	1 st Semester	2 nd Semester	Required / Elective	Remark
Department-required Courses	A20497	English Proficiency Enhancement	0		Required	Capstone
	A20800	Technical Presentation Practice	1		Required	
	A20404	Workshop Practice	2		Required	
Departmental Electives	A20442	Quality Control Practice		3	Elective	
	A20449	Project Management		3	Elective	
	A20482	Enterprise Diagnosis		3	Elective	
	A20477	Customer Relationship Management		3	Elective	
	A20461	Fuzzy Set Theory		3	Elective	
	A20367	Procurement Management		3	Elective	
	A20454	Total Quality Management		3	Elective	
	A20488	Product Design And Development Management		3	Elective	
	A20448	Neural Networks		3	Elective	
	A20489	Data Mining		3	Elective	
	A20447	Service Operations Management		3	Elective	
	A20458	Strategic Management		3	Elective	
	A20446	Business Automation		3	Elective	
	A20430	Systems Simulation		3	Elective	
	A20590	Special Issues In Sun-Tzu Doctrines and Management		3	Elective	
	A20768	Visualization Design of Big Data		2	Elective	
	A20496	Professional		3	Elective	

	Resource Plannin			
A20300	Introduction To Artificial Intelligence	3		Elective
A20305	Lean Enterprise systems	3		Elective
A20306	Computer Integrated ManufacturingA	3		Elective
A20769	Application of Business Intelligence	3		Elective
A20766	Blockchain And Smart Contracts	3		Elective
A20597	Internet Marketing	3		Elective
A20771	Visual Phenomenon Management	3		Elective
A20774	Introduction To Intelligent Manufacturing	3		Elective
A20776	Operations Research II	3		Elective
A20753	Cross-Disciplinay practices	2		Elective
A20374	Intelligent Commence	3		Elective
Total Required Credits for this Academic Year		20		

	Presentation English			
A20348	Human Machine Interface	3		Elective
A20472	Machine Vision	3		Elective
A20420	Experimental Design	3		Elective
A20453	Semi-Conduc Or Manufacturing Management	3		Elective
A20505	Industry Internship I	3		Elective
A20506	Industry Internship II	3		Elective
A20507	Industry Internship III	3		Elective
A20410	Fundamental and Application on 3D printing Technology	3		Elective
A20770	Health Data Application	2		Elective
A20599	Working Capability and Occupational Ethics	2		Elective
A20078	Service and Knowledge for Practice	2		Elective
A20694	Corporate Sustainability	3		Elective
A20695	Introduction to Metaverse	3		Elective
Total Required Credits for this Academic Year		3		



(Official Seal of the Department)

