

**I-SHOU UNIVERSITY**  
**Department of Industrial Management**  
**4-Year Curriculum for Students Admitted in Academic Year 2024**

**\* 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. Physical Education: required, **0** credits
4. College-required courses: **23** credits (including 1 college-level cornerstone courses)
5. Department-required courses: **45** credits, including academic + practical courses: **9** credits, academic courses: **18** credits, practical courses: **17** credits, and capstone courses: **1** credits
6. Departmental electives: **12** credits ° (A total of **32** credits for elective courses, including other electives)
  - a. Academic courses: **12** credits; taking **78** credits out of **12** credits
  - b. Practical courses: **12** credits; taking **75** credits out of **12** credits; at least **3** credits from off-campus internship
7. Other electives: **20** 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 (2024)**

**Sophomore Year (2025)**

Category	Course Code	Course Title	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Required / Elective	Remark
General Education	A93A30	English in Practice I	1		Required	Core
	A93A31	English in Practice II		1	Required	Core
	A93AG	Programming	2		Required	Core (2 credits)
	A93A22	Chinese Literature 1.0- Reading, Narration and communication		2	Required	Core
	A93A28	Codes in Health and Medicine		2	Required	Core (2 credits)
	A93AM	Smart Tech 101	2		Required	Core (2 credits)
College-required Courses	A82110	Economy(I)	3		Required	
	A82116	Big Data and Programming		2	Required	
	A82111	Economy(II)		3	Required	
	A82105	Accounting(I)	3		Required	
	A82E01	Management2		4	Required	
	A82103	Net zero sustainable management	2		Required	
Department- required Courses	A20076	Introduction to Industrial Management	3		Required	Academic
	A20125	Computer Programming		3	Required	Academic
	A20459	A preliminary study on intelligent technology and management	1		Required	Common
	A20257	Computer Graphics		3	Required	Practical
	A20260	The Principles and Practices of Engineering Economics		3	Required	Practical
Departmental Electives	A20163	Introduction to Business		3	Elective	Academic C
	A20235	Internet and Intranet Application		3	Elective	Practical B
	A20191	Technology Management		3	Elective	Academic C
	A20195	Career Development		3	Elective	
	A20368	Technology industry analysis		3	Elective	
	A20775	Industry_4.0		3	Elective	
<b>Total Required Credits for this Academic Year</b>			<b>40</b>			

Category	Course Code	Course Title	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Required / Elective	Remark
General Education	A93A15	Physical Education (I)	0		Required	
	A93A16	Physical Education (II)		0	Required	
	A93A23	Chinese Literature 2.0- Critical thinking and creativity in writing	2		Required	Core
	A93DB1	Civic Literacy in the Era of Globalization	2		Required	Core (Freshman Year 2nd Semester or Sophomore Year 1st Semester)
	A93A32	English in Practice III	2		Required	Core
	A93A33	English in Practice IV		2	Required	Core
College- required Courses	A82113	Statistics (I)	3		Required	
	A82203	Statistics (II)		3	Required	
Department-req uired Courses	A20232	Management Math	3		Required	Academic
	A20253	Work research	3		Required	Academic
	A20254	Job management		3	Required	Practical
Departmental Electives	A20297	Interactive web design	3		Elective	Practical
	A20750	Introduction to blockchain		2	Elective	Academic
	A20238	Database management		3	Elective	CommonB
	A20229	Organizational behavior		3	Elective	Academic
	A20340	Marketing management		3	Elective	CommonC
	A20353	Applied mechanics		3	Elective	
	A20293	Product creative design		3	Elective	
	A20256	linear algebra		3	Elective	
	A20259	Entrepreneurial management		3	Elective	
	A20331	Investment management		3	Elective	
	A20767	Mobile APP development and design		3	Elective	
	A20409	Technology trends and business opportunities		3	Elective	
	A20339	Human Resource Management		3	Elective	Academic
	A20310	Occupational safety and health		3	Elective	Practical
	A20365	E-commerce		3	Elective	Common
	A20775	Industry 4.0		3	Elective	
	A20298	Computer digital drawing		3	Elective	Practical
A20299	Fundamental Cloud Computing		3	Elective	Practical	
A20751	Financial Technology		3	Elective		
A20752	Cross-Disciplinary Preliminary Study			2	Elective	
<b>Total Required Credits for this Academic Year</b>			<b>23</b>			

**I-SHOU UNIVERSITY**  
**Department of Industrial Management**  
**4-Year Curriculum for Students Admitted in Academic Year 2024**

**Junior Year (2026)**

**Senior Year (2027)**

	Course Code	Course Title	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Required / Elective	Remark	
<b>Department- required Courses</b>	A20369	Quality Management	3		Required	Practical	
	A20456	Seminar Practice I	1		Required	Practical	
	A20330	Facility Planning	3		Required	Common	
	A20313	Operations Research I	3		Required	Common	
	A20370	Data Processing	3		Required	Academic	
	A20457	Seminar Practice II		1	Required	Practical	
	A20344	Human Factor Engineering		3	Required	Common	
	A20166	Manufacturing Process		3	Required	Practical	
<b>Departmental Electives</b>	A20429	Materials Management	3		Elective	CommonA	
	A20332	Decision Analysis	3		Elective	Academic	
	A20366	Project Planning and Scheduling	3		Elective	CommonA	
	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 Resource Planning	3		Elective		
	A20300	Introduction to Artificial Intelligence	3		Elective		
	A20305	Lean Enterprise systems	3		Elective		
	A20306	Computer Integrated Manufacturing	3		Elective		
	A20769	Application of Business Intelligence3	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	Common	
	A20753	Cross-domain practice	2		Elective	Academic	
	A20374	Intelligent Commence	3		Elective		
	<b>Total Required Credits for this Academic Year</b>			<b>20</b>			

	Course Code	Course Title	1 <sup>st</sup> Semester	2 <sup>nd</sup> Semester	Required / Elective	Remark
<b>General Education</b>	A20497	English Proficiency Enhancement	0		Required	
	A20800	Technical Presentation Practice	1		Required	
<b>Department- required Courses</b>	A20404	Workshop Practice	2		Required	Practical
	A20442	Quality Control Practice	3		Elective	PracticalA
<b>Departmental Electives</b>	A20449	Project Management	3		Elective	CommonA
	A20482	Enterprise Diagnosis	3		Elective	CommonC
	A20477	Customer Relationship Management	3		Elective	PracticalC
	A20461	Fuzzy Set Theor	3		Elective	CommonB
	A20367	Procurement Management	3		Elective	CommonA
	A20454	Total Quality Management	3		Elective	CommonA
	A20488	Product Design and Development Management	3		Elective	
	A20448	Neural Networks	3		Elective	
	A20489	Data Mining	3		Elective	
	A20447	Service Operations Management	3		Elective	AcademicC
	A20458	Strategic Management	3		Elective	AcademicC
	A20446	Business Automation	3		Elective	AcademicC
	A20430	Systems Simulation	3		Elective	AcademicA
	A20590	Special Issues in Sun-Tzu Doctrines and Management	3		Elective	AcademicC
	A20768	Visualization Design of Big Data	2		Elective	
	A20496	Professional Presentation English	3		Elective	
	A20348	Human Machine Interface	3		Elective	
	A20472	Machine Vision	3		Elective	
	A20420	Experimental Design	3		Elective	
	A20453	Semi-Conductor Manufacturing Management	3		Elective	
	A20505	Industry Internship I	3		Elective	Practical
	A20506	Industry Internship II	3		Elective	Practical
	A20507	Industry Internship III	3		Elective	Practical
	A20410	Fundamental and Application on 3D printing Technology	3		Elective	Practical
	A20770	Health Data Application	2		Elective	
	A20599	Functions and ethics	2		Elective	
	A20078	Service & Knowledge Practice	2		Elective	
	A20694	Corporate Sustainability	3		Elective	
	A20695	Introduction to Metaverse	3		Elective	
	A20902	Smart Manufacturing Operation Management		3	Elective	
<b>Total Required Credits for this Academic Year</b>			<b>3</b>			