

I-SHOU UNIVERSITY

Graduate Institute of Medicine

Curriculum for Master’s Students Admitted in Academic Year 2024

Made in 2024/05/10

* Credits required for graduation from the Program: 32 , including:

- I. Required professional courses: 26 credits
- II. Elective professional courses: 6 credits (Elective courses “Independent Study” will not be included.)

1. Academic courses: 2 credits; taking 24 credits out of 2 credits

2. Practical courses: 4 credits; taking 20 credits out of 4 credits
- III. Thesis: required courses without credits (capstone courses)

Note: During the period of study, in addition to completing the total number of graduation credits, students should also publish at least one domestic and foreign seminar or journal paper with the full title of the first author (co-first author) and the Institute of Medicine of I-Shou University. It must be stipulated by the corresponding author (co-corresponding author) to be eligible for graduation.

First Year (2024)							Second Year (2025)						
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
Required Professional Courses	M47101	Introduction to Research Papers (I)	2		Required		Required Professional Courses	M47201	Seminar in medical research (I)	2		Required	
	M47102	Special topics in Cell biology	2		Required			M47202	Big data analysis and application	2		Required	
	M47103	Advanced Biostatistics	2		Required			M47203	Design and execution of clinical trials	3		Required	
	M47104	Introduction to Research Papers (II)		2	Required			M47204	Design and execution of clinical trials	2		Required	
	M47105	Design of experiments		2	Required			M47205	Seminar in medical research (II)		2	Required	
	M47106	Special topics in Molecular biology		2	Required			M47206	Thesis (II)		3	Required	
								M47M00	Master Thesis		0	Required	Capstone
								M47M01	Research Ethics		0	Required	
Elective Professional Courses	M47501	Biomedical Technology and Experiments(I)	2		Elective	Common	Elective Professional Courses	M47601	Seminar in Gene Regulation	2		Elective	Academic
	M47502	Biomedical Technology and Experiments(II)	2		Elective	Common		M47602	Seminar in Application of AI in Medical Imaging	2		Elective	Practical
	M47503	Seminar in Neuroscience	2		Elective	Academic		M47603	Statistical analysis of clinical trial data	2		Elective	Practical
	M47504	Seminar in Tumor Biology	2		Elective	Practical		M47604	Introduction to Tissue Engineering and experiment	2		Elective	Common
	M47505	Experimental Animal Models and Research Methods	2		Elective	Practical		M47605	Seminar in Cellular Immunotherapy	2		Elective	Academic
	M47506	Introduction to Clinical Trials	2		Elective	Practical		M47606	Advanced Big Data and Database Applications	2		Elective	Practical
	M47507	Clinical Medicine Research Methodology	2		Elective	Academic							
	M47508	Seminar in Immunology	2		Elective	Academic							
	M47509	Seminar in Hepatic Virology	2		Elective	Academic							
	M47510	Pharmacoepidemiology	2		Elective	Academic							
	M47511	Seminar in Drug Therapy	2		Elective	Academic							
	M47512	Seminar in Chinese Medicine	2		Elective	Academic							
	M47513	Seminar in Chinese Herbal Medicine	2		Elective	Academic							
Total Required Credits for this Academic Year			12				Total Required Credits for this Academic Year			14			

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Third Year (2026)							Fourth Year (2027)						
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
Elective Professional Courses	M47301	Independent Study (III)	1		Elective		Elective Professional Courses	M47401	Independent Study (V)	1		Elective	
	M47302	Independent Study (IV)		1	Elective			M47402	Independent Study (VI)		1	Elective	
Total Required Credits for this Academic Year			0				Total Required Credits for this Academic Year			0			