Tzu Chi University. Master's Degree Curriculum Map in the Department of Information Technology and Management, 2025.

Course schedule for Fall 2025	Year 1		Year 2		Educational Goals Core Competencies	Future Development
	1st Semester	2nd Semester	1st Semester	2nd Semester		
General Program Required subject (6)	Research Methodology(3) Research Ethics Education Online Program(0) Artificial Intelligence(3)				Educational Goals： Cultivate students to be advanced information management professionals with integrated decision-making and research capabilities and the ability to make independent judgments. Core Competencies： 1. To cultivate students' high-level programming capabilities. 2. To cultivate students' advanced professional capabilities in information technology and management. 3. Cultivate students' ability to conduct research, critical thinking, problem analysis, and problem-solving. 4. To cultivate students' cross-disciplinary professional capabilities in smart technology.	Further education： Domestic and foreign management doctoral programs. Employment： Integrate with the industry and integrate learning and application. Employment opportunities include global Tzu Chi organizations, hospitals, private enterprises, management companies, and other information-related industries.
General Program Elective subject (18)	AB(3)*2 Advanced Statistics(3) Advanced Algorithms(3) Advanced Statistical Analysis(3)	CDEF(3)*4 Big Data for Intelligence Medical(3) Machine Learning(3) Smart Health and Care(3) Artificial Intelligence of Things(3) Data Science(3)	Deep Learning of Artificial Intelligence(3) Cloud Computing and Big Data Processing(3) Application of Artificial Intelligence in Precision Medicine(3) Smart Wearable Devices(3) New Generation Network Technology(3) Decision Analysis(3)	Data Mining and Visualization Analysis(3) Big Data Management for Strategic Analysis(3) Smart Health Integrated Management(3) Medical Image Processing(3) Elderly Welfare Technology(3) Intelligence Long-term Care Management(3)		
Dual Degree Program Required subject (51)	(HKA) International Business and Management(3) Management of International Organization(3) European Economic Policy(3) European Business Cultures(3) Legal Systems in Europe(3)	(TCU) Mandatory courses: Asian Law & Society(3) Corporate Management of Intellectual and Intangible Assets(3) Management of Technology Intensive Company(3) Research Methodology(3) Artificial Intelligence(3)	(Mexico) Microeconomics of Competitiveness(3) Introduction to Latin American Management(3) USMCA (NAFTA) Business Environment(3) Sales Administration Process in Latin America(3) Social Responsibility and Sustainability(3)	Master Thesis(6)		
Dual Degree Program Elective subject (21)	Elective A(3) (one of the following subjects) Option A, Advanced Production Management(3) Option B, Global Marketing Management(3) Option C, Enterprise Risk Management(3)	Thesis(1) (4) Thesis(2) (4) Elective B(3) (one of the following subjects) International Social Work(3) Religious Culture and Society in Contemporary East Asia(3)	Thesis(3) (4) Elective C(3)	Thesis(3) (4)		
	General Program, the minimum graduation credits are 24 credits: 6 for required subjects and at least 18 credits for elective courses. Dual Degree Program, the minimum graduation credits are 72 credits: 51 for required subjects and at least 21 credits for elective courses.					
Course Regulations	1. Students must choose one program from the "General Program" and the "Dual Degree Program". 2. Before the end of the first semester, students must complete the Graduate Course in Academic Ethics Education at the Center for Taiwan Academic Research Ethics Education, or take other academic ethics education courses from the school or other institutions to obtain a certificate of attendance. 3. Electives are courses offered in the current semester.					