

Last Update: 2024/12/26

Required Courses (Apply to Students Enrolling before Spring 2024)

Course Name	Credit
Strategy Management	3
Computer Programming	3
Healthcare System	2
Healthcare Informatics	3
Biostatistics	2
Research Methodology	3
Mandarin 1	0
Mandarin 2	0

1. Graduate students must take 30 credits to graduate, including 16 credits for required courses, 8 credits for elective courses, and 6 credits for degree thesis.
2. With the approval (signing the course selection list) of the degree program director, graduate students may take up to 3 credit of courses offered by other departments and to be counted toward graduation credits.
3. Graduate students who have taken related courses offered by other departments or schools before enrolled in the Master Program in Smart Healthcare Management could apply for credit transfer and get the approval from the program director.
4. Students enrolled in the graduate and doctorate programs must complete Academic Research Ethics Education Course online. Please refer to the following route to take the online course: [Student Information System](#)/Academic Resource/Academic Research Ethics Education. Students must pass the online examination of the course. Students who fail to pass the examination are not allowed to apply for Oral Defense.

Elective Courses

Course Name	Credit
Smart Healthcare Management Seminar	2
Academic Writing	3
Electronic Medical Records	3
Data Mining	3
Telemedicine Technologies	3
Medical Data Analytics	3
A.I. & Data Sciences	3
Machine Learning	3
Biotech & Medical Industry Strategy & Decision Analysis	2
Health Economics and Policy	2
Urban Planning and Public Health	2
Smart Health Integrate Management	3
Smart Health Integrate Management (TMU)	2
Management Information System	3
Financial Management	3
Innovation Management	3
Customer Relationship Management	3
Artificial Intelligence for Text Analytics	3

Elective Courses

Course Name	Credit
Software Engineering	3
Artificial Intelligence	3
Big Data Analysis	3
International Social Work	3
Interdisciplinary Exploring of Elderly Health and Care Issues	3
Generative AI Innovative Applications	3
Special Topics in Medical Informatics (TMU)	2
Special topics in international standard organization ISO 9000 series & JCI accreditation standards (TMU)	2
Individual Studies in Cost Accounting & Management (TMU)	2
Marketing of smart healthcare (TMU)	2
Health information management (TMU)	2
Biotechnology innovation management (TMU)	2
Medical decision support (TMU)	2
Seminar in Total Quality Management of Healthcare (TMU)	2
Research Methods in Health Service (TMU)	3

