

Course List

Last Update: January, 2026

Required Courses

Course Name	Credit
Data Mining	3
Computer Programming	3
AI-driven Informatics	3
Artificial Intelligence	3
Seminar in AI	3
Research Methodology	3
Mandarin 1	0
Mandarin 2	0

1. Graduate students must take 35 credits to graduate, including 18 credits for required courses, 11 credits for elective courses, and 6 credits for degree thesis.
2. Graduate students who have not completed a course in "Statistics" at the undergraduate level shall complete at least 3 credits of related foundational undergraduate courses, or, upon approval of the program director, other equivalent courses. The grade obtained shall not be lower than 60.
3. 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.
4. Graduate students who have taken related courses offered by other departments or schools before enrolled in the Master Program in Artificial Intelligence Applications and Management could apply for credit transfer and get the approval from the program director.
5. 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-Applications Track

Course Name	Credit
AI in Gerontechnology	3
AI in Digital Health	3
Medical Data Analytics	3
Smart Healthcare Integrate Management	3
AI-driven Innovation & Entrepreneurship	3
Healthcare System	2
Deep Learning for Image Analysis	3
Machine Learning	3
Internet of Things	3
Artificial Neural Networks and Deep Learning	3
Big Data Analytics	3
Cloud Computing	3
Cloud Resource Planning Practices	3
Sustainability and ESG Data Analytics	3
Generative AI Innovative Applications	3
Software Engineering	3

Elective Courses-Management Track

Course Name	Credit
Academic Writing	3
AI Policy, Regulation & Ethics	3
Health Economics and Policy	2
Marketing Management	3
Digital Transformation in Enterprise	3
Financial Management	3
Entrepreneurship and New Service Management	3
Artificial Intelligence in Business and Society	3
AI in Finance and Quantitative Analysis	3