Department of Computer Science and Information Engineering
Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program	Master's Program for the Day Division
Group	None
Class Type	Regular Class
Special Program	None

Curriculum Committee		
	Department Curriculum	114.04.15
	College Curriculum	114.05.16
	University Curriculum	114.06.09
	Academic Affairs	114.06.09

Graduation Credits /Study Duration	At least 30 credits required (plus 6 thesis credits), with a study period of 1–4 years; actual graduation credits based on the table below.
Credit Load per Semester	The courses and credits required for each semester are determined by the respective departments (or institutes). However, during the first academic year, the total number of credits per semester must not be fewer than 6 credits and not exceed 18 credits.

Required and Elective	Credits	Subject Category
Required	14 Credits	Major Requirements (including Thesis)
Elective	16 Credits	Major Elective
Graduation	Course Title	Regulations/Notes
Thesis	Thesis (6/6)	1. Guidelines for Degree Conferment 2. Regulations for Graduate Degree Examinations 3. Implementation Guidelines for Thesis/Dissertation Review and Quality Assurance Mechanisms 4. Guidelines for the Deferred Public Release Review of Theses and Dissertations
Other Regulations		
Remarks	"Computer Course" means computer access is required (computer and internet usage fee). Graduation Requirements： 「G07」：Thesis	

First Semester, First Year					Second Semester, First Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	MOIA11	Seminar(1)	2/2		Major Required	MOIA12	Seminar(2)	2/2	
Major Elective	MOIE15	Image Processing Systems	3/3	Computer Course	Major Elective	MOIE17	Embedded Systems	3/3	
Major Elective	MOIE22	Software Design of Embedded Systems	3/3	Computer Course	Major Elective	MOIM14	Practice of Data Center Virtualization	3/3	Computer Course
Major Elective	MOIM03	Cloud Computing Practice	3/3	Computer Course	Major Elective	MOIM18	Artificial Intelligence	3/3	
Major Elective	MOIM16	Big Data Practice	3/3	Computer Course	Major Elective	MOIM25	Application and Software Security	3/3	Computer Course
Major Elective	MOIM24	Practice of Information Security Management System	2/2	Computer Course	Major Elective	MOIN16	Advanced Operating Systems	2/2	
Major Elective	MOIN12	English Technical Writing for Science and Engineer	2/2		Major Elective	MOIN17	Design and Analysis of Computer Algorithms	2/2	Computer Course
Major Elective	MOIN13	Practice of Sensors and Circuits Design	2/2		Major Elective	MOIN18	Advanced Software Engineering	2/2	Computer Course
Major Elective	MOIN14	Advanced Computer Architecture	2/2						

Major Elective	M0IN15	Advanced Database	2/2	Computer Course					

First Semester, Second Year					Second Semester, Second Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	M0IA13	Seminar(3)	2/2		Major Required	M0IA08	Master Thesis	6/6	G07
Major Elective	M0IE19	Intelligent Vision Systems	3/3	Computer Course	Major Required	M0IA14	Seminar(4)	2/2	
Major Elective	M0IM20	Machine Learning	3/3	Computer Course					
Major Elective	M0IM21	Cyber Security	3/3	Computer Course					
Major Elective	M0IM23	Digital Forensics	3/3	Computer Course					