

Department of Computer Science and Information Engineering
Curriculum Requirements for Enrollees in the Academic Year 112 (Fall 2023)

Program	Master's Program for the Day Division								
Group	None								
Class Type	Regular Class								
Special Program	None								
Curriculum Committee	Department Curriculum								
	College Curriculum								
	University Curriculum		112.05.29						
	Academic Affairs		112.05.29						
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	12 Credits		Major Requirements (including Thesis)						
Elective	18 Credits		Major Elective						
Other Regulations									
Remarks	"Computer Course" means computer access is required (computer and internet usage fee).								
First Semester, First Year					Second Semester, First Year				
Course	Course	Course Name	Credits / Hours	Notes	Course	Course	Course Name	Credits / Hours	Notes
Major Required	M0IA01	Seminar(1)	0/2		Major Required	M0IA12	Seminar(2)	2/2	
Major Required	M0IA07	English for Science and Technology	0/2		Major Elective	M0IE10	Electronic Design Automation	3/3	Computer Course
Major Elective	M0IE02	Hardware Description Language	3/3	Computer Course	Major Elective	M0IE17	Embedded Systems	3/3	
Major Elective	M0IE03	Embedded Free Software Design	3/3	Computer Course	Major Elective	M0IE18	Medical Image Processing	3/3	Computer Course
Major Elective	M0IE15	Image Processing Systems	3/3	Computer Course	Major Elective	M0IM13	The Design of Mobile Service Systems	3/3	Computer Course
Major Elective	M0IM02	Mobile Multimedia Techniques	3/3	Computer Course	Major Elective	M0IM14	Practice of Data Center Virtualization	3/3	Computer Course
Major Elective	M0IM03	Cloud Computing Practice	3/3	Computer Course	Major Elective	M0IN05	Advanced operating system	3/3	
Major Elective	M0IM16	Big Data Practice	3/3	Computer Course	Major Elective	M0IN06	Advanced Algorithms	3/3	
Major Elective	M0IN02	Practice of Sensors and Circuits Design	3/3		Major Elective	M0IN07	Advanced Software Engineering	3/3	
Major Elective	M0IN03	Advanced Computer Architecture	3/3		Major Elective	M0IN11	Application and Software Security	3/3	
Major Elective	M0IN04	Advanced Database System	3/3	Computer Course					
Major Elective	M0IN10	Practice of Infamation Security Management Systems	3/3	Computer Course					

[illegible]