Department of Electronic Engineering
Curriculum Requirements for Enrollees in the Academic Year 113 (Fall 2024)

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

Curriculum Committee		
	Department Curriculum	113.04.25
	College Curriculum	113.05.23
	University Curriculum	113.06.03
	Academic Affairs	113.06.03

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	M03A08	Seminar(1)	2/2		Major Required	M03A09	Seminar(2)	2/2	
Major Elective	M03N03	Technological English	3/3		Major Elective	M03N05	IoT and applications	3/3	
Major Elective	M03Q04	Semiconductor Measurement Technology	3/3		Major Elective	M03Q14	Fabrication of Deep Sub-Micro Semiconductor Devices	3/3	
Major Elective	M03Q13	Optoelectronics	3/3		Major Elective	M03Q21	Thin Film Analysis	3/3	
Major Elective	M03Q24	Compound Semiconductor Engineering	3/3		Major Elective	M03Q22	Reliability Physics of Integrated Circuit	3/3	
Major Elective	M03Q25	Optoelectronical Packaging Technologies	3/3		Major Elective	M03Q27	Organic Electroluminescent Device	3/3	
Major Elective	M03Q26	Thin Film Processing Technique	3/3		Major Elective	M03Q29	Quantum and Solid State Physics	3/3	
Major Elective	M03Q30	Intelligent Control Theory	3/3		Major Elective	M03Q31	Intelligent Control Integrated System	3/3	
Major Elective	M03R03	Advanced Electromagnetic Theories	3/3		Major Elective	M03R02	Antenna Theory	3/3	
Major Elective	M03R10	Spread Spectrum Communications	3/3		Major Elective	M03R08	Electromagnetic Compatibility Theory	3/3	
Major Elective	M03R35	Embedded Microprocessor System	3/3		Major Elective	M03R23	Mobile Communication	3/3	

Course	Course	Course Name	Credits/Hours	Notes	Course	Course	Course Name	Credits/Hours	Notes
					Major Elective	M03R29	Digital Image Processing and Application	3/3	
					Major Elective	M03R40	Microstrip Antenna Design	3/3	
First Semester, Second Year					Second Semester, Second Year				
Course	Course	Course Name	Credits/Hours	Notes	Course	Course	Course Name	Credits/Hours	Notes
Major Required	M03A10	Seminar(3)	2/2		Major Required	M03A07	Master Thesis	6/6	G07
Major Elective	M03N06	Artificial intelligence and applications	3/3		Major Required	M03A11	Seminar(4)	2/2	
Major Elective	M03Q15	Semiconductor Simulation Theory	3/3						
Major Elective	M03Q16	Nano Devices	3/3						
Major Elective	M03Q28	Flexible Display Practice	3/3						
Major Elective	M03Q32	Intelligent System Design and Application	3/3						
Major Elective	M03Q33	Automation Instrumental Control Program and Practice Design and Application	3/3						
Major Elective	M03R12	Topics on Microstrit Antennas	3/3						
Major Elective	M03R16	Microwave Intergrated Circuit	3/3						
Major Elective	M03R30	Laser Engineering	3/3						
Major Elective	M03R34	Micro Sensor Device Embedded System and Software Project	3/3						
Major Elective	M03R36	Mobil Device Embedded System and Software Implementation	3/3						