Department of Electronic 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	112.04.14
	College Curriculum	112.05.24
	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	6 Credits	Major Requirements (including Thesis)
Elective	24 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	M03A01	Seminar(1)	0/2		Major Required	M03A02	Seminar(2)	0/2	
Major Elective	M03N03	Technological English	3/3		Major Elective	M03Q14	Fabrication of Deep Sub-Micro Semiconductor Devices	3/3	
Major Elective	M03Q03	Modern Physics	3/3		Major Elective	M03Q21	Thin Film Analysis	3/3	
Major Elective	M03Q04	Semiconductor Measurement Technology	3/3		Major Elective	M03Q22	Reliability Physics of Integrated Circuit	3/3	
Major Elective	M03Q13	Optoelectronics	3/3		Major Elective	M03Q27	Organic Electroluminescent Device	3/3	
Major Elective	M03Q24	Compound Semiconductor Engineering	3/3		Major Elective	M03Q29	Quantum and Solid State Physics	3/3	
Major Elective	M03Q25	Optoelectronical Packaging Technologies	3/3		Major Elective	M03Q31	Intelligent Control Integrated System	3/3	
Major Elective	M03Q26	Thin Film Processing Technique	3/3		Major Elective	M03R02	Antenna Theory	3/3	
Major Elective	M03Q30	Intelligent Control Theory	3/3		Major Elective	M03R07	Electromagnetics with Applications	3/3	
Major Elective	M03R03	Advanced Electromagnetic Theories	3/3		Major Elective	M03R08	Electromagnetic Compatibility Theory	3/3	
Major Elective	M03R04	Wireless Communication	3/3		Major Elective	M03R23	Mobile Communication	3/3	
Major Elective	M03R10	Spread Spectrum Communications	3/3		Major Elective	M03R28	Digital Signal Processing System Design and Production	3/3	
Major Elective	M03R26	Optical Fiber Communication System	3/3		Major Elective	M03R29	Digital Image Processing and Application	3/3	

Major Elective	M03R27	Computer Communication Internet	3/3		Major Elective	M03R32	USB Driver Implementation	3/3	
Major Elective	M03R35	Embedded Microprocessor System	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	M03A03	Seminar(3)	0/2		Major Required	M03A04	Seminar(4)	0/2	
Major Elective	M03Q15	Semiconductor Simulation Theory	3/3		Major Required	M03A07	Master Thesis	6/6	
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	M03R31	The basic measurement of physiology	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						