

Department of Electronic Engineering
Curriculum Requirements for Enrollees in the Academic Year 111 (Fall 2022)

Program	Master's Program for the Day Division														
Group	None														
Class Type	Regular Class														
Special Program	None														
Curriculum Committee	Department Curriculum	111.05.06													
	College Curriculum	111.05.20													
	University Curriculum	111.06.06													
	Academic Affairs	111.06.06													
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							
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							

