

Department of Electrical 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. 21																
	College Curriculum	112. 05. 17																
	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	10 Credits	Major Requirements (including Thesis)																
Elective	20 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	M05201	Seminar (1)	1/2		Major Required	M05202	Seminar(2)	1/2										
Major Elective	M05806	Applications of Control Engineering	3/3		Major Elective	M05803	Technical Paper Writing	3/3										
Major Elective	M05835	Power Quality Practice	3/3		Major Elective	M05804	Advanced programming	3/3										
Major Elective	M05836	Practice of Green energy and Energy Conservation	3/3		Major Elective	M05821	Control System Design	3/3										
Major Elective	M05839	Smart grid integration practice	3/3		Major Elective	M05825	Digital Control	3/3										
					Major Elective	M05826	Adaptive Control	3/3										
					Major Elective	M05827	Introduction to Power Electronics	3/3										
					Major Elective	M05828	Electrical Energy Control and Management	3/3										
					Major Elective	M05836	Practice of Green energy and Energy Conservation	3/3										
					Major Elective	M05837	Coating Technology Practice	3/3										
					Major Elective	M05838	Optoelectronic Devices Practices	3/3										
					Major Elective	M05839	Smart grid integration practice	3/3										
					Major Elective	M05866	Optoelectronic Electromagnetism	3/3										
					Major Elective	M05867	Solar Energy Devices Physics	3/3										

