

Department of Electrical Engineering
Curriculum Requirements for Enrollees in the Academic Year 114 (Fall 2025)

Program	Master's Program for the Day Division																	
Group	None																	
Class Type	Regular Class																	
Special Program	None																	
Curriculum Committee	Department Curriculum	114.05.14																
	College Curriculum	114.05.16																
	University Curriculum	114.06.09																
	Academic Affairs	114.06.09																
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	於國內外電機相關專業期刊、學報或研討會發表一篇以上(含)之專業論文，詳如相關辦法。																	
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										
Major Required	M05208	Seminar (1)	2/2		Major Required	M05209	Seminar (2)	2/2										
Major Elective	M05805	Engineering Project Management	3/3		Major Elective	M05803	Technical Paper Writing	3/3										
Major Elective	M05806	Applications of Control Engineering	3/3		Major Elective	M05804	Advanced programming	3/3										
Major Elective	M05807	Practice of Electro-optics Engineering	3/3		Major Elective	M05821	Control System Design	3/3										
Major Elective	M05822	Electronic Circuits Design	3/3		Major Elective	M05825	Digital Control	3/3										
Major Elective	M05824	Power Generation	3/3		Major Elective	M05826	Adaptive Control	3/3										
Major Elective	M05828	Electrical Energy Control and Management	3/3		Major Elective	M05827	Introduction to Power Electronics	3/3										
Major Elective	M05835	Power Quality Practice	3/3		Major Elective	M05836	Practice of Green energy and Energy Conservation	3/3										
Major Elective	M05861	Optoelectronic materials	3/3		Major Elective	M05837	Coating Technology Practice	3/3										
Major Elective	M05862	Solid-State Physics	3/3		Major Elective	M05838	Optoelectronic Devices Practices	3/3										
Major Elective	M05863	Flat-Panel Display Engineering	3/3		Major Elective	M05839	Smart grid integration practice	3/3										

First Semester, Second Year

Second Semester, Second Year