

Master Program, International Program of Electrical Engineering and Computer Science(IEECS)

Course Map (Academic Year 2025)

Program Overview

Total: 32 Credits (8 Required + 24 Elective)

Electrical Engineering

Power and Energy Control System
Power Electronics Communications
Computer System

Electronic Engineering

Computer Engineering
Communication and Signal Processing
Electromagnetic Engineering
Integrated Circuits and Systems

Computer Science & Information Engineering

Software Engineering and Systems
AI and Multimedia Systems
Information Security and Network

Electro-Optical Engineering

Optical Communications
Display Technology
Optical Engineering
Optoelectronic Materials and Devices



▲ Required Courses



★ Elective Courses



Flexible Arrangement

First Year (Year 1)

Fall Semester

Graduate Seminar
1 credits

Elective Course
3 credits

Elective Course
3 credits

Elective Course
3 credits

Spring Semester

Graduate Seminar
1 credits

Elective Course
3 credits

Elective Course
3 credits

Elective Course
3 credits

Second Year (Year 2) & Beyond

Fall Semester

Master's Thesis
3 credits

Elective Course
3 credits

Elective Course
3 credits

Spring Semester

Master's Thesis
3 credits

Oral Defense
Upon Completion

Important Notes

- **Total Credits:** 32 credits (8 Required + 24 Elective)
- **▲ Required Courses (8 credits):**
 - Graduate Seminars: 2 credits (1+1)
 - First and second semesters
 - Master's Thesis: 6 credits (3+3)
 - Third and fourth semesters
 - Oral Defense: Graduation requirement (no additional credits)
- **★ Elective Courses (24 credits):** From master- and doctoral-level courses in English from all departments of EECS College
- **Language Requirement:** All courses must be taught in English (Chinese and English combined courses not included). Courses not taught in English need advisor approval.
- **Inter-College Option:** Up to 6 credits out of 24 can be obtained from inter-college master- and doctoral-level courses upon advisor approval.



Flexible Course Scheduling:

The elective course arrangement shown (9+9+6+0) is just one example. Students can distribute their 24 elective credits across semesters based on:

- Course availability each semester
- Personal academic planning
- Research focus and interests
- Advisor recommendations