

Electrical Engineering, MSE

The EE program offers two plans leading to the MSE with a Electrical Engineering option. These are designated:

- Plan I (Thesis)
- Plan II (Non-thesis)

The following sections describe the requirements for each of these options. With prior approval, up to 6 semester hours of 500-level courses may be taken in fulfillment of the MSE requirements. All courses in the program of study must be approved by a faculty advisor.

Basic Program of Study

The Basic Program of Study, common to both the Plan I and Plan II MSE options, contains a minimum of 24 semester hours of graduate-level course work that must include:

Code	Title	Semester Hours
EE Major		12
Select 12 semester hours of related graduate-level courses in an EE subject area		
Math Minor ¹		
6 hours of coursework with mathematical or theoretical foundation.		6
Engineering Area of Specialization Minor		
Select a 2-course sequence from engineering, or computer science ²		6
Total Semester Hours		24

¹ Students may take two graduate level mathematics courses or EE 629 and EE 630

² At least one of those courses should be at the 600 level.

³ Concentration in Optoelectronics: Under the EE Major students must take EE 617, EE 618, and EE 553. Under the engineering area of specialization, students must take PH 541 and PH 542.

⁴ Concentration in Optics and Photonics Technology: Under the EE Major students must take EE 632, EE 633, and EE 634. Under the engineering area of specialization, students must take PH 451 and PH 452.

Plan I, Thesis Option

Students selecting this option must:

Code	Title	Semester Hours
Complete the Basic Program of Study as described above		24
EE 699	MASTER'S THESIS	6
Complete an acceptable thesis including a public defense		
Total Semester Hours		30

Plan II, Non-Thesis Option

Students selecting this option must:

Code	Title	Semester Hours
Complete the Basic Program of Study as described above		24
Select 6 semester hours of graduate coursework to complete an approved extended program of study		6
Total Semester Hours		30