ELECTRICAL ENGINEERING MS

Degree Requirements

The following requirements are in addition to, or further elaborate upon, those requirements outlined in The Graduate School Policy Guide (https://catalogs.northwestern.edu/tgs/academic-policies-procedures/).

Common Requirements

Three plans are available, as shown below. For all three plans, the following are required:

- A total of **12 units**.
- All courses must be at the 300-level or higher.
    - Effective September 9, 2019, ELEC_ENG 302-0 Probabilistic Systems is considered a graduate-level course and **can** be counted.
- At least 9 courses from Electrical Engineering, Computer Engineering, or Computer Science. Any courses taken outside ECE or CS must be approved by the student's advisor.
- At least 6 courses having the ELEC_ENG prefix, with the following exceptions: ELEC_ENG 499-0 Projects and ELEC_ENG 590-0 Research **do not count** towards these six, but COMP_ENG 303-0 Advanced Digital Design and COMP_ENG 391-0 CMOS VLSI Circuit Design **do count** towards these six.
- At least 3 courses at the 400-level or above, including ELEC_ENG 499-0 Projects but **not including** ELEC_ENG 590-0 Research.
- The only P/N course acceptable for the master's degree program is ELEC_ENG 590-0 Research.
- Additional requirements are listed in the ECE graduate study manual.

Plan 1: Thesis

Additional requirements:

- Up to **three** credits may be ELEC_ENG 590-0 Research.
- A **written thesis** is required, in a format specified by the thesis committee.

Plan 2: Project

Additional requirements:

- Up to **two** credits may be ELEC_ENG 590-0 Research.
- A **project report** is required, in a format specified by the project committee.

Plan 3: Course-only

Additional requirements:

- ELEC_ENG 590-0 Research may **not** be included in the 12 required units.