

# ELECTRICAL ENGINEERING, M.S.

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This degree is intended to prepare students to perform advanced projects in a specific area of interest within the scope of research in the electrical engineering department. The degree requires 24 hours of course work beyond the BS and 6 hours of thesis preparation. Thesis preparation hours represent time spent by the student working closely with their advisor on a mutually-agreeable topic.

## Learning Outcomes

1. Become a specialist in a subdiscipline by successfully planning and executing a program of study in an area of interest.
2. Ability to execute research or development in a specific area of interest.
3. Ability to solve sophisticated engineering problems that require integration of knowledge and skills gained in multiple graduate courses.

## Degree Requirements (30 Hours)

24 hours of graduate coursework (excluding thesis preparation hours) tailored to the student's research interests and selected with approval from the student's thesis advisor so as to build depth of knowledge in a focus area.

Course	Title	Credits
ELCT 799	Thesis Preparation	6

## Restrictions

- Minimum of 12 hours taken from ELCT courses at the 700-level or above, exclusive of thesis preparation hours
- Not more than 6 hours of ELCT 897
- Not more than 6 hours of non-ELCT courses
- ELCT 797 - Research cannot be counted toward degree requirements

Any changes to an approved program of study require approval of the graduate director and must be made at least one semester before graduation.

## Additional Degree Requirements

The Comprehensive Exam consists of a public presentation of the thesis topic followed by a private oral exam administered by the student's Thesis Advisor and Second Reader.