Master of Science in Electrical Engineering

Admission Requirements

The applicant must meet the School of Graduate Studies’ current minimum general admission requirements as published in the graduate catalog.

1. Bachelor of Science degree in Electrical Engineering or closely related field. Students holding B.S. degrees in other fields, e.g., physics, mathematics, and computer science, may be admitted to Provisional or Qualified status until selected undergraduate requirements in electrical engineering have been satisfied.

2. An overall undergraduate GPA of at least 2.75 or a GPA of at least 3.00 for the last two years.

3. Satisfy the School of Graduate Studies’ English Language Proficiency requirements as published in the graduate catalog. Applicant holding degrees from non-ABET accredited programs/universities are strongly recommended to submit scores from the General Test of Graduate Record Examination.

Degree Requirements

Thesis Option:

1. A minimum of 30 semester credits, including credits granted for the thesis.

2. A minimum of 21 semester credits, including thesis credits, must be in the major field of electrical engineering.

3. A minor field of study can be obtained by completing 9 semester credits from another department that offers a graduate program. A graduate faculty member from that department must serve on the thesis committee of the student.

4. A cognate can be obtained by completing 9 semester credits from more than one department outside of electrical engineering, or from a single department that does not offer a graduate program.

5. At least one-half of the coursework credits must be at or above the 500-level.

6. A maximum of 9 semester credits of the credit hours required for the degree may be transferred from another institution.

7. A maximum of 6 credit hours of EE 591 Electrical Engineering Research is acceptable.

8. Completion of a research project, submission of a thesis report, and a thesis defense.

9. An overall GPA of 3.00 or better in all coursework.

10. The thesis course (EE 998) can be between 6-9 credits with approval of the thesis committee.

11. One credit of seminar class (EE 570) is mandatory for each MS student.

12. At least two peer-reviewed conference, journal, or patent applications (as the first author) submitted with the consent of student’s advisor, must be accepted or published before the time of defense.

Non-Thesis Option:

1. Completion of at least 30 semester credits, including credits required for the major.

2. 3 credit hour EE 997 Independent Study (requires a written report approved by the faculty advisor) is acceptable.

3. At least 15 coursework credits must be at or above the 500-level.

4. A maximum of 9 semester credits of the credit hours required for the degree may be transferred from another institution.

5. A maximum of 3 credit hours of EE 591 Electrical Engineering Research is acceptable.

6. An overall GPA of 3.00 or better in all coursework.

7. Student has to successfully complete a comprehensive final examination on three general areas approved by the candidate’s faculty advisor.

8. At least one peer-reviewed conference, journal, or patent application (as the first author) must be submitted with the consent of student’s advisor.