

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 status until selected undergraduate requirements in electrical engineering have been satisfied.
2. An overall undergraduate GPA of at least 3.0.
3. Satisfy the School of Graduate Studies' English Language Proficiency requirements as published in the graduate catalog. Applicants 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. Completion of 30 credits of EE, CSCI, or EECS graduate-level coursework, including credits granted for the thesis.
2. At least one-half of the coursework credits must be at or above the 500-level.
3. A maximum of 9 graduate credits required for the degree may be transferred from another institution.
4. Completion of a research project, submission of a thesis report, and a thesis defense.
5. An overall GPA of 3.0 or better in all coursework.
6. The thesis course (EE 998) can be between 6-9 credits with the approval of the thesis committee.
7. One credit of seminar class (EECS 500) is mandatory.
8. At least two peer-reviewed conference, journal, or patent applications (as the first author) submitted with the consent of the student's advisor, must be submitted or accepted before the time of defense.

Non-Thesis Option:

1. Completion of 30-semester credits of EE, CSCI, or EECS graduate-level coursework.
2. Three credit hour EECS 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. An overall GPA of 3.0 or better in all coursework.
6. The student has to successfully complete a comprehensive final examination on three general areas approved by the candidate's faculty advisor.
7. At least one peer-reviewed conference, journal, or patent application (as the first author) must be submitted with the consent of the student's advisor.

Accelerated B.S./M.S. Degree (4+1)

The Accelerated Bachelor/Master (ABM) degree program allows exceptional undergraduate students at UND to complete the requirements for both the bachelor's and master's degrees at an accelerated pace. All requirements for both degrees must be met, and these students may double count up to 12 graduate-level credits towards the requirements for both M.S., thesis and non-thesis, in Electrical Engineering. ABM students can obtain their Master's degree within 12 months after completing the Bachelor of Electrical Engineering

degree, provided that the degree requirements can be completed in that timeframe.

Admission Requirements

High achieving high school students (GPA of at least 3.5/4.0 and an ACT score of 25 or higher) will initially be considered for "identified" status and become eligible for formal admission when they meet the same criteria that undergraduates must meet for admission into the ABM program. The following are the minimum eligibility requirements:

1. Students must have completed a minimum of 60 credits, including credits earned from advanced placement and dual credit. Students must apply before completion of the undergraduate degree.
2. Transfer students with a minimum of 60 credits-whether from the transfer institution alone or in combination with UND credits-must have a minimum cumulative GPA of 3.5/4.0 at the time of admission to the ABM program.
3. Students must have a minimum cumulative GPA of 3.5/4.0 at UND at the time of admission into the ABM program.
4. ABM program applicants must submit the standard application to the School of Graduate Studies, the application fee, a personal statement, and transcripts.
5. Additionally, ABM program applicants must submit a detailed Program of Study that describes the 12 credits of double counted courses, the courses that will be taken after being accepted into the ABM program, the courses that will be taken before graduation from the Bachelor of Science program, and the expected graduation date for each degree. The submitted program of study must be signed by the student, the student's undergraduate advisor, the student's graduate advisor, and the Graduate Program Director.

Degree Requirements

Degree requirements for the M.S. degree are those listed by the School of Graduate Studies as found in the graduate school catalog.