Earn a Bachelor's and a Master's in Less Time
The Electrical and Computer Engineering Accelerated Master's programs allow a student to count up to six senior-level credits toward both a Bachelor of Science in Electrical or Computer Engineering and a Master of Science in Electrical or Computer Engineering.

The Electrical and Computer Engineering Accelerated Master's programs offer a thesis option and a report option designed for highly motivated students who would like to pursue doctoral studies in electrical or computer engineering. A coursework option is available for students who want to gain a competitive edge in industry with an accelerated advanced degree. There is a growing demand for graduates with a Master's degree in electrical and computer engineering, and the accelerated program will provide you with a pathway to meet this need in fewer semesters.

Electrical and Computer Engineering Accelerated MS Requirements

Admissions

- Undergraduate students must apply for admission to the Accelerated Master's program through the standard Graduate School application.
- The Accelerated Master's program requires students to be accepted into the Graduate School and the Master of Science in Electrical or Computer Engineering program prior to the awarding of a Bachelor's degree. Students can apply anytime after they reach junior-level status as an undergraduate.
- Students eligible for the Accelerated Master's program must complete their BS in the Michigan Tech Electrical and Computer Engineering Department.
- Students already enrolled in a graduate program may not retroactively enroll in the Electrical or Computer Engineering Accelerated Master's program.

Credits

Students must earn 30 credits past the Bachelor of Science in Electrical and Computer Engineering, Computer System Science, or Software Engineering to complete the requirements for the Master of Science in Electrical or Computer Engineering (MSEE); however, up to six credits taken as an undergraduate student can be applied toward both the BS and MSEE, so long as they satisfy the requirements for both degrees, and the student completes a minimum of 152 combined credits (without double counting any credits). Double counted courses must be clearly identified on the student's graduate degree schedule and approved by their graduate advisor.

GPA

Only students in good academic standing are eligible to enter the Electrical and Computer Engineering Accelerated Master's programs. A student must have a cumulative undergraduate GPA of at least 3.25 to be considered for the program at the time they apply. Undergraduate students who are accepted to the program must maintain an undergraduate GPA of at least 3.25 for the remainder of their undergraduate studies or they will be dropped from the Accelerated Master's program with no readmission possible (but may continue in the graduate program provided the usual requirements, e.g. GPA of 3.0 or higher, are met).

Courses and Research (30 credits total)

- The detailed course and course-level requirements for the Thesis Option, Report Option, or Coursework Option are outlined on the Master of Science in Electrical and Computer Engineering degree page.
- A student wishing to pursue either a thesis or report option should begin conducting research with an advisor in the senior year (for example, through a EE4870 “Special Topics” or EE4805 “Electrical Engineering Project” course); however, MS research credits may be earned only after the BS is awarded.

Advising

- To help expedite degree completion, a student pursuing a thesis or report option degree should begin to work with a faculty research advisor at the time of application to the Accelerated Master’s program.
- A student pursuing a coursework option degree should meet with the department’s Graduate Program Director at the time of application to develop a preliminary program of study.
- Each student who begins graduate study will work with a faculty advisor who is a member of the Electrical and Computer Engineering faculty. The advisor’s primary responsibility is to supervise the student’s research, academic and professional growth, and development of an academic plan for enrolling in the appropriate courses.
- The academic plan developed by the student and academic advisor will need written approval from the faculty advisor and the Departmental Graduate Program Director.
- All students must complete a minimum of 128 credits in appropriate subjects before the bachelor’s will be awarded and the student is considered a graduate student.
- The maximum time-to-degree for students in the accelerated master’s program is 5 years from the time the student is accepted into the program.
- Students will be considered undergraduates for the purposes of financial aid, tuition, and class standing until their undergraduate degree has been awarded. Once students are awarded their undergraduate degree, they will be considered graduate students for the purposes of financial aid, and tuition.