

MS IN ELECTRICAL ENGINEERING

<https://www.newpaltz.edu/engineering/programs/ms-electrical-engineering/>

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The Master of Science in Electrical Engineering provides a quality graduate program offered within a small setting, where students get individual attention. The program can be completed either full or part-time, and is designed to serve recent graduates and practicing engineers who need in-depth knowledge in the rapidly changing and expanding areas of electrical engineering beyond what can be included in the traditional bachelor's program.

THE PROGRAM

Students may individualize their program of study by selecting classes that fulfill their academic interests and professional needs. Focused coursework is offered in Microelectronics, Systems, Energy, or Computer Engineering. The program may be completed in as little as eight months.*

Accelerated Format*

Students complete 30 credits of coursework and present at least three graduate engineering projects.

Research Focus

Students enroll in twenty-four credits of coursework and develop and defend a six-credit thesis project.

Admission Requirements

- One official copy of all undergraduate and graduate course work. A bachelor's degree in Electrical Engineering or a closely related field from an ABET-accredited program.
- A minimum undergraduate cumulative grade point average of 3.0.
- Three letters of recommendation attesting to the applicant's aptitude and promise for graduate study.
- English competency according to College procedures and standards. These include a TOEFL score of 80 on the internet-based exam, or a score of 6.5 on the IELTS exam and satisfactory performance on the campus-designed and administered English proficiency examination.

On a case-by-case basis, applicants who do not meet all of the conditions for admission may be granted conditional admissions status. These students may register as non-matriculated students for courses of a preparatory nature following the guidance of the Department. They can be considered by the Graduate School for matriculation after this prescribed preparatory work is completed.

The MS in Electrical Engineering degree comprises 30 credits. Students have the option to complete a thesis or take additional coursework and complete at least two graduate projects.

Plan of Study

A student's plan of study is developed by selecting graduate engineering courses offered by the department in electromagnetic fields and waves,

telecommunications, electronics, computers, and control systems depending on the students' needs and interests.

Accelerated Format

This option allows students to complete their graduate degree in as little as 18 months. Students select 30 credits of coursework and complete at least three graduate projects.

Research Focus

This option allows students to select eight graduate courses (24-credits) and complete a 6-credit Electrical Engineering Thesis.

Program Requirements

- File a "plan of study" during the first semester after matriculation.
- Completion of prescribed course work and other requirements within seven years after matriculation.
- Maintain a cumulative average of 3.0 or better, with no more than two grades below B-.