

MS IN ELECTRICAL ENGINEERING

Program Overview

Program Coordinator	Damodaran Radhakrishnan, (845) 257-3772, damu@newpaltz.edu
Program ID	265
Credits	30
Program Length	MS can be completed in 2-3 semesters if enrolled full-time, but students must complete degree within 7 years
Modality	In-person
Full-time/Part-time	Full-time
Transfer Credits	9
Capstone	Project or Thesis

Program Description

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. *An evaluation from a member of NACES is required for all international applicants. You may find member organizations from the NACES website: <https://www.naces.org/members>.*
- 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.

Application Deadlines

July 15	Fall Admission
November 30	Spring Admission

Accepting on a rolling basis until the program is full. However, students who submit after the deadline may get news of admission after advanced registration, and some classes may be full.

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-.

Graduate Checklist

- Apply for graduation via my.newpaltz.edu under "Graduation" tab according to the schedule in the [academic calendar](#).
- Resolve any pending admission conditions (outlined in your acceptance letter) and/or missing documents if applicable.
- Review your progress report via my.newpaltz.edu to ensure that you have completed all program requirements.
- Remember that only two grades below a B- may be applied to your [plan of study](#).
- Contact your advisor if you need to amend your plan or process [transfer credit](#).

- Ensure that you are in good academic standing with a GPA (Grade Point Average) of 3.0 or higher.
- Pass your capstone or culminating assessment.
- Complete your degree within the specified time limit outlined in the Program Overview.

Program Learning Outcomes

Electrical Engineering (MS)

- Demonstrate a high level of expertise and competence in an area of concentration in electrical engineering.
- Play a meaningful role in research or technical development leading to significant contributions to engineering and technology.
- Demonstrate leadership skills in the workplace, function professionally in a globally competitive world, and communicate engineering results effectively.
- Demonstrate strong interpersonal and teamwork skills.