

Graduate Programs in Electrical Engineering

Admission Requirements

GRE General Aptitude Test	Verbal + Quantitative 1,150; Analytical > 3.5
TOEFL for Foreign Students	550
Undergraduate GPA	3.0 overall

US Students whose records show excellence in one or more areas of electrical engineering but do not meet the admission requirements may be admitted under a prescribed program. The Department Graduate Admission Committee will approve the prescribed program for each student.

Remedial Classes for Non-Majors

Students who do not hold a BS degree in Electrical Engineering may enroll in the MS or Ph. D. Electrical Engineering Program provided that they complete the remedial classes required by the EE Department. The students will be required to pass or challenge EE 221; EE 362 Signals and Systems. In addition, they must demonstrate proficiency in three of the five following areas of specialization by successfully completing or challenging the corresponding courses or their equivalents: electromagnetics (EE330), electronics (EE320, 320L), computers (CpE 301), control (EE370, 370L), and power (EE340). In some cases, the EE Graduate Admission Committee may require additional remedial classes.

Required Graduate Classes

All electrical engineering graduate students are required to complete the following two classes

EE 782 Random Signal Analysis and Estimation Theory
EE 790 Seminar 3 Cr

Independent Study

Students are permitted to include a maximum of three credit hours of independent study as part of each electrical engineering graduate degree.

MS Plan B

Student who choose to pursue the MS Plan B program are required to pass an oral and written comprehensive exam that covers courses in their program of study and write one professional paper.

Ph.D. Exams

Ph.D. students are required to pass a written qualifying exam in three out of the following six areas: communications, computers, control, electromagnetics, electronics, power. After completing their course work, they are also required to pass a written and oral comprehensive exam in three areas related to their research and to defend a proposal outlining Ph.D. research.

Financial Support

The Electrical Engineering Department has a number of teaching assistantships, research assistantships and two scholarships that support graduate students in electrical engineering. Prospective students are encouraged to apply for one or more of these assistantships. In recognition of the role of UNR as a land grant university serving Northern Nevada, priority will be given to qualified Nevada residents. Research assistantships will be advertised together with the name of a designated contact person or sponsor, as they become available.

The following is a list of the scholarships and assistantships and the required qualifications.

Dickinson Fellowship

Residency: Nevada Resident or US Citizen
Degree Sought: MS in Electrical Engineering
Minimum GPA: 3.2

Turner Fellowship

Residency: Nevada Resident or US Citizen
Degree Sought: MS or Ph.D in Electrical Engineering

The required qualifications for teaching assistantships are:

Teaching Assistantships

Residency: Nevada Resident or US Citizen preferred.
Degree Sought: MS or Ph. D. in Electrical Engineering
Minimum GPA: 3.3