



ELECTRICAL ENGINEERING (PHD)

Description

These programs are funded by various federal, state, and private agencies with annual research expenditures exceeding \$2 million. Active research areas include biomedical engineering, digital and wireless communications, digital and VLSI design, digital signal processing, electro-optics, ellipsometry, mixed-signal circuit design, nanotechnology, optics of nanostructure materials, plasma processing, power systems, remote sensing and electromagnetics, and solid-state devices and materials.

The department has extensive research facilities for all areas of active research and graduate students have the flexibility to pursue their own research experience. In addition to computing facilities individually operated by each research group, the department administers a network of high-end UNIX workstations and PCs which are regularly upgraded. These facilities are used for classroom instruction as well as the individual needs of the students.

Specializations

- Bioinformatics

Program-Related Information

Graduate Chair

Wei Qiao
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Support Staff

Teresa Ryans
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Program Website

<https://engineering.unl.edu/ece/>

Applying for Admission

Standard requirements for all graduate programs

- Application for Admission with \$50 non-refundable application fee (<https://graduate.unl.edu/admissions/requirements/#appfee>).
- Transcripts (<https://graduate.unl.edu/admissions/requirements/#transcripts>) (unofficial): Uploaded as part of application form.

If International: Uploads must include all college- or university-level transcripts or mark sheets (records of courses and marks earned), with certificates, diplomas, and degrees plus certified English translations.

After admission: Official documents are required from all students who are admitted and enroll. Photocopies of certified records are not acceptable. International students enrolled in other U.S. institutions may have certified copies of all foreign records sent directly to the Office of Graduate Studies by their current school's registrar office.

- If applicant's native language is not English, verification of English proficiency (<https://graduate.unl.edu/admissions/english-proficiency/>) is required.

When sending TOEFL scores, our institution code is 6877 and a department code is not needed.

- If applicant is not a US citizen and expects an F or J visa: financial information (<https://graduate.unl.edu/prospective/international/financial/>).
- Applicants must also fulfill any additional requirements the department specifies at the time of application.

Additional requirements specific to this program

- GRE (optional)
- Personal Statement
- Three letters of recommendation
- Resume or CV
- Other Uploads: Optionally, applicants may upload or provide links to additional documents for the committee to review, such as research papers, theses, or publications, that have not already been uploaded elsewhere in the application.

Admission Application Deadlines

For full financial consideration, students must apply by January 15 for Fall, October 1 for Spring. Applications submitted after priority deadlines may be considered if space is available.

Requirements

Hours required: 90