

2015-2016 Admission Requirements

Master of Science in Electrical Engineering; Master of Science in Computer Engineering; Master of Science in Mechatronics Systems Engineering

Following are the simple steps to apply for graduate study in Electrical and Computer Engineering at the University of Denver. If you have any questions about the process, please contact the [Office of Graduate Studies](#).

Apply Online / Application Deadlines

- Applications for graduate study at the University of Denver must be submitted online. [Apply online](#).
- All online materials must be received, and all supplemental materials including transcripts must be on file in the Office of Graduate Studies, by the program's stated deadline: February 1, for the fall quarter.
- Students interested in competing for graduate teaching assistantships (GTAs) are encouraged to submit their applications by this deadline to ensure full consideration for an appointment in September of a given year. GTAs are offered to students who have been admitted to the PhD program and rarely to master's students who have chosen the thesis option.
- Applications received after the priority deadline will be accepted, processed and reviewed on a rolling basis for the fall, winter or spring quarters. International applicants are encouraged to have the admission application and all supporting documents in the Office of Graduate Studies by the deadline or no later than May 1, for fall admission.
- A {\$65} non-refundable application fee is required for an application to be processed. Application fee waivers are available for McNair Scholars.

Course and Degree Prerequisites and Requirements

- Applicants must earn and submit proof of earning the equivalent of a baccalaureate degree from a regionally accredited institution prior to beginning graduate coursework at DU
- A Bachelor of Science (BS) degree in computer engineering (BSCpE), electrical engineering (BSEE), or closely related field from a regionally accredited college or university is required for admission to the programs.
- Those students whose backgrounds differ significantly from EAC/ ABET-accredited BS computer or electrical engineering programs may be required to complete prerequisite undergraduate courses. Such courses are not considered part of the 45 quarter hour requirements for the degree.
- A competency examination may be required of candidates who do not possess a 3.0 GPA or a BS in electrical, electronic or computer engineering from an EAC/ABET accredited program.
- Students with BS degrees in physics, mathematics, computer science, engineering science, electrical engineering technology, engineering physics or similar BS degrees from a regionally accredited college or university may also be admitted. However, these students should be able

to demonstrate competency in the following basic subjects by passing an appropriate competency examination:

- MSCpE: Circuits and Electronics • Digital Systems • Computer Organization • A high- or low-level computer language
- MSEE: Digital Design Methods • Physical Electronics • Introductory Electromagnetics • Signals and Systems • Principles of Communications • Circuits and Electronics
- MSE: Controls • Robotics • Signals and Systems • Circuits and Electronics • Digital Design Methods • Mechanics • Electromagnetics

Transcripts

- Applicants are required to submit an official transcript from each post-secondary institution they have attended, or are presently attending, where two quarter hours (or one semester hour) or more were completed including study abroad and college coursework completed in high school.
- The applicant is responsible for obtaining all transcripts. Applicants who have earned a degree outside the U.S. must submit transcripts accompanied by certified English translations, if not normally issued in English. DU students and alumni do not need to provide DU transcripts.
- Official study abroad transcripts are required unless the course titles, grades and credit earned abroad appear on another transcript. Transcripts from outside of the U.S. are evaluated by the Office of International Student Admission. This process can take three to four weeks and must be complete by the program's stated deadline. Therefore, **applicants with a degree from outside of the U.S. are encouraged to apply early.** Applicants educated outside the U.S. are encouraged to contact the Office of Graduate Studies for assistance regarding transcript-related materials.
- The University of Denver will consider electronic transcripts official from a domestic institution provided by the following approved agencies: Army/American Council on Education Registry Transcript System (AARTS); Docufide/Parchment; National Student Clearinghouse; Naviance; Royall and Company; and, Scrip-Safe. Electronic transcripts should be sent to gradinfo@du.edu.

Mail official transcripts to:

University of Denver
Office of Graduate Studies
Mary Reed Building, Room 5
2199 S. University Blvd.
Denver, CO 80208-4802

Language Proficiency

- Official scores from the Test of English as a Foreign Language (TOEFL) or International English

Language Testing System (IELTS) are required of all graduate applicants, regardless of citizenship status, whose native language is not English or who have been educated in countries where English is not the native language. Applications will not be processed until the required TOEFL or IELTS score is received. The TOEFL and IELTS scores are valid for two years from the test date. The minimum TOEFL score accepted by the University is 80 (iBT) or 550 (paper-based). The institution code for the University of Denver is 4842. The minimum IELTS score accepted by the University is 6.0. Graduate Teaching Assistants (GTAs) must demonstrate fluency in spoken English by scoring a 26 on the TOEFL speaking section or 8.0 on the IELTS speaking section. Please see the Graduate Policy Manual for complete English language proficiency requirements.

- Applicants may be exempted from English proficiency test requirements if by the time of matriculation they have earned a post-secondary degree from a formally-recognized/accredited university where the language of instruction and examination is English. Such applicants may be exempt from the TOEFL/IELTS requirement but not from other standardized graduate entrance examinations. There are no exemptions for graduate teaching assistants.
- Students whose native language is not English and who are required to submit [TOEFL/IELTS](#) scores will be assessed by the University of Denver English Language Center (ELC) prior to matriculation.
- In cases where minimum TOEFL/IELTS scores were not achieved or no English proficiency test was taken, the Electrical Engineering program may offer English Conditional Admission (ECA) to academically qualified non-native English speakers. Such applicants must take training through DU's English Language Center to meet the English language requirement. English language training at centers outside of DU will not be counted toward meeting English language proficiency requirements. International applicants with a three-year baccalaureate degree or any other academic deficiencies cannot be granted English Conditional Admission.

Test Scores

- The Graduate Record Examination (GRE) is required. Scores must be received directly from the appropriate testing agency by the program's stated deadline. The institution code for the University of Denver is 4842.
- Competitive GRE scores for students admitted to the Department of Electrical and Computer Engineering are below.
- MS: Verbal 146; Quantitative 155; Analytical Writing Section 3.25

Personal Statement

- A personal statement of at least 300 words is required. The statement should be submitted

via upload through the online application process. The statement should include information concerning your life, education, practical experience, special interests and specific purposes for furthering your studies in the Department of Electrical and Computer Engineering at the University of Denver.

Resume / C.V.

- A detailed resume or C.V. is required. This should include all educational achievements, relevant work experience, research and/or volunteer work. The resume or C.V. should be submitted via upload through the online application process.

Recommendation Letters

- Three letters of recommendation are required. Letters should be solicited and uploaded by recommenders through the online application system. Requests for letters should be sent to recommenders well in advance so the letters are on file by the application deadline.

Financial Support

- To be considered for financial support, domestic applicants should apply early and submit the Free Application for Federal Student Aid (FAFSA) by the priority deadline; February 15. Information about financial aid can be found on the [Office of Financial Aid website](#). International students are not eligible for federal financial aid.
- The Department of Electrical and Computer Engineering also offers a number of competitive graduate teaching assistantships (GTA) that provide full tuition remission along with a stipend for the nine-month academic year (three academic quarters).
- Other sources of financial support available include graduate research assistantships (GRA) either with or without partial tuition remission, scholarships and fellowships, and work opportunities from the department and from the School of Engineering and Computer Science. Contact the Electrical and Computer Engineering department for more information about financial support.

Application Status

- We encourage you to be actively engaged in the admission process. You can check your application status online at [PioneerWeb](#). Applicants will receive login information post application submission.

Contact Information

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For more information call (303) 871-2706 or chat with us via [Live Counselor](#).

International Applicants

- For complete international applicant information, please visit the [Office of Graduate Studies International Student Application Information](#). International applicants are strongly encouraged to have their applications complete, with all materials on file in the admission office, at least eight weeks prior to the program's application deadline.

The [Graduate Policies and Procedures](#) provides complete details regarding admission requirements.

Doctor of Philosophy in Electrical and Computer Engineering; Doctor of Philosophy in Mechatronics Systems Engineering

Following are the simple steps to apply for the Doctor of Philosophy programs in Electrical and Computer Engineering at the University of Denver. If you have any questions about the process, please contact the Office of Graduate Studies.

Apply Online / Application Deadlines

- Applications for graduate study at the University of Denver must be submitted online. [Apply online](#).
- All online materials must be received, and all supplemental materials including transcripts must be on file in the [Office of Graduate Studies](#), by the program's stated deadline: **February 1**, for the fall quarter.
- Students interested in competing for graduate teaching assistantships (GTAs) are encouraged to submit their applications by this deadline to ensure full consideration for an appointment in September of a given year. GTAs are offered to students who have been admitted to the PhD program and rarely to master's students who have chosen the thesis option.
- Applications received after the priority deadline will be accepted, processed and reviewed on a rolling basis for the fall, winter or spring quarters. International applicants are encouraged to have the admission application and all supporting documents in the Office of Graduate Studies by the deadline or no later than May 1, for fall admission.
- A \$65 non-refundable application fee is required for an application to be processed. Application fee waivers are available for McNair Scholars.

Course and Degree Prerequisites and Requirements

- Applicants must earn and submit proof of earning the equivalent of a baccalaureate degree and, if applicable, a master's degree from a regionally accredited institution prior to beginning graduate coursework at DU
- Students with a MS in CpE, MS in MSE, MS in EE, MS in ME, or closely related areas may apply for admission to the PhD in ECE or PhD in MSE programs. Admission with only a BS in this field is also possible, but students with only a BS degree are strongly encouraged to enroll first in the MS (CpE, EE, MSE) programs.
- Admission to the PhD programs is based on review of the application and associated references. Normally, a GPA of at least 3.0 is required.
- All graduate engineering courses presuppose mastery of the subject matter of a modern ABET-accredited curriculum in engineering. Students with a BS in other engineering or related science fields and students with a BSCpE, BSEE, or BSME who have not taken graduate academic work for some time may be required to complete preparatory courses that are prerequisites for the core courses of the engineering concentrations on which the qualifying exams are based. These courses carry no credit toward the graduate degree.

Transcripts

- Applicants are required to submit an official transcript from each post-secondary institution they have attended, or are presently attending, where two quarter hours (or one semester hour) or more were completed including study abroad and college coursework completed in high school.
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- Students whose native language is not English and who are required to submit [TOEFL/IELTS](#) scores will be assessed by the University of Denver English Language Center (ELC) prior to matriculation.
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