

2015-2016 Admission Requirements

Master of Science in Mechanical Engineering; Master of Science in Bioengineering; Master of Science in Materials Science; Master of Science in Nanoscale Science and Engineering

Following are the simple steps to apply for the master's programs in Mechanical and Materials 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. To apply online, visit: [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.
- 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 degree in Mechanical Engineering (BS ENME) or closely related field is required for admission to the MS ENME program. Those students whose backgrounds differ significantly from EAC/ABET-accredited BS computer/electrical/ mechanical engineering programs may be required to complete prerequisite undergraduate courses.
- A Bachelor of Science in engineering, chemistry, biology or physics is normally required for admission to the MS Bioengineering (ENBI) program. A background including undergraduate research in an area related to bioengineering is also very helpful. Students may be required to complete prerequisite undergraduate courses.
- A bachelor's degree in materials science or closely related field (physics, metallurgy, engineering, or chemistry) is usually required for admission to the Materials Science program. If the student did not receive adequate preparation for studying materials, they may need to take several prerequisite courses in materials science.
- The interdisciplinary nature of Nanoscale Science and Engineering mandates certain flexibility in order to accommodate students with a variety of backgrounds. The program accepts students with a Bachelor of Science, Bachelor of Arts, Master of Science, or Master of Arts in biological sciences,

chemistry, biochemistry, computer science, engineering, physics or related discipline. As a minimum, to be admitted into the program, students are expected to have earned as a part of their undergraduate degree: 1 year of calculus, 1 year of algebra- or calculus-based physics with accompanying laboratory, 1 quarter of general chemistry with accompanying laboratory. Furthermore, the program accepts students with a Master of Science or Master of Arts degrees in biological sciences, biophysics, chemistry, biochemistry, computer science, engineering, physics or related discipline.

- 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 Anthropology 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.
- GRE score requirements are a minimum score of 140 verbal AND 154 quantitative.

Personal Statement

- A personal statement of at least 300 words is required. The statement should be submitted via upload through the online application process.

Resume / C.V.

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

Recommendation Letters

- Two 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 Mechanical and Materials 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). Priority for these GTAs is given to PhD and masters-thesis students whose undergraduate degrees are in engineering.
- Graduate research assistantships (GRAs), either with or without tuition remission, are awarded by individual faculty based on available funding.

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

Mail official transcripts and any supplemental admission materials not submitted with the online application to:

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Electronic transcripts should be sent to gradinfo@du.edu.

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 Policy Manual provides complete details regarding admission requirements.

Doctor of Philosophy in Mechanical Engineering; Doctor of Philosophy in Materials Science; Doctor of Philosophy in Nanoscale Science and Engineering

Following are the simple steps to apply for the doctoral programs in Mechanical and Materials 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. To apply online, visit: [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.
- 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.
- A bachelor's degree or master's degree in materials science or closely related field (physics, metallurgy, engineering or chemistry) is usually required for admission to Materials Science. If the student did not receive adequate preparation for studying materials, they are encouraged to apply for the master's degree.
- The Nanoscale Science and Engineering program accepts students with a Master of Science or Master of Arts degrees in biological sciences, biophysics, chemistry, biochemistry, computer science, engineering, physics or related discipline. A maximum of 45 quarter hours of credits could be transferred toward the total quarter-hour requirement.
- Students with a master's degree in mechanical engineering or closely related areas may apply for the PhD program in mechanical engineering. Admission with only a Bachelor of Science in this field is also possible, but students with only a BS degree are strongly encouraged to enroll first in the MS ENME program.

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.
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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.
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Program-Specific Admission Requirements

- We recommend PhD applicants contact faculty to **find a research advisor BEFORE submitting the application**. If we receive an application and there is no research advisor commitment, we will consider the applicant for the master's program only.
- To learn more about the faculty research being conducted, a list of our most recent [grants](#)

and faculty contact information can be found on our [Research](#) tab.

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 [insert URL]. International students are not eligible for federal financial aid.
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