Overview
Increase your skills and take your career to a new level in the field of engineering with advanced training in mechanical engineering. In a recent study, EMSI determined that mechanical engineering is among the top 25 occupations facing potential skill shortages. Prepare yourself to meet this market demand with CSU’s online Master of Engineering – mechanical engineering specialization, which focuses specifically on materials engineering.

Learn applied skills in a practitioner-oriented degree
Advanced analysis and detailed knowledge of material properties are required when choosing or assessing materials for various engineering projects. Equally important is an understanding of the design, costs, and environmental impact involved. CSU’s online mechanical engineering master’s is designed to equip you with that knowledge, as well as the technical skills for fieldwork practice.

Graduates who finish this program are both technically competent and able to balance business and management principles. This means that in addition to developing your ability to assess, determine, and test the structures and properties of materials for various engineering projects, you will have the tools for critical decision making. You will learn to balance the needs of the engineering project with other influential factors, such as:

- Environmental impacts
- Financial restraints
- Design limitations

Customize your degree for your career
Mechanical engineering is one of the broadest of the engineering disciplines. The skills you acquire in this program can be applied to a variety of industries, including:

- Healthcare
- Renewable energy
- Manufacturing materials
- Aerospace
- Automotive design

CSU’s mechanical engineering master’s degree offers options to focus your studies in different areas, depending on your interest. In addition to core courses, flexibility within the program’s electives allows you to choose coursework that aligns with specific educational or career goals. From systems engineering to experimental optimization, you are able to choose which 12 credits best round out your degree.
Application Deadline

Fall semester: May 15    Spring semester: November 1

Note: Full consideration will be given to applicants who have submitted all documents on time. Applications received after the deadline will be considered only on a space-available basis.

1 Review Admission Requirements

• Bachelor’s degree in engineering or engineering-related field
• Minimum GPA of 3.0 on a 4.0 scale or first class standing*
• Calculus 1, 2, 3*
• Ordinary differential equations*
• Physics 1 and 2 (calculus-based)*

*If you do not meet minimum requirements, please contact Jessica.Watkinson@colostate.edu to get your transcripts/credentials evaluated before formally applying for the program. Depending on academic background, students without a bachelor’s degree in mechanical engineering may also be required to take additional courses. Please use the following email subject line: ME Online – Admission Inquiry – YOUR NAME.

2 Prepare Application Materials

Prepare the materials below and upload when you apply online.

• Three letters of recommendation
  Three professional recommendations are required. Recommendations should be from individuals who can accurately evaluate your skills as a student, engineer, scientist, or researcher. You will provide information about your recommenders in the online application. CSU will contact them with instructions and a link to a secure form they will submit on your behalf.

• Statement of purpose
  Address the following 3 items for the mechanical engineering department application:
  » Statement of purpose (maximum 700 words) - briefly describe your background, educational goals, long-term career goals, and why you would be a good fit for the program.
  » Why do you think you will succeed in this program?
  » How do you intend to be successful taking graduate level courses? (you can skip the letter of intent on the Online University Application)

• Resume or vita

3 Complete Online Application

Complete the online graduate application and pay the nonrefundable application processing fee (payable online). As soon as you have completed the required information, please submit your application. Your application will not be reviewed until it is complete and all required materials have been received.

• Select “Mechanical Engineering (M.E.) - Distance” when choosing the Program of Study.

4 Request Transcripts

Request one official transcript of all collegiate work completed from every institution attended, whether or not you received a degree from those institutions. Transcripts from Colorado State University are not required. Official transcripts can either be mailed in or sent as e-transcripts.
Send e-transcripts to: gradadmissions@colostate.edu

Send paper copies to:
Graduate Admissions
Colorado State University – Office of Admissions
1062 Campus Delivery
Fort Collins, CO 80523-1062

Submit Test Scores (Optional)
GRE test scores are not required, but may be submitted if you feel these will strengthen your application. Submit official GRE General Test scores through the Educational Testing Service (select institution code: 4075, leave the department code blank). Scores are typically received by the University 4-6 weeks after your testing date.

- All three sections — verbal, quantitative, and analytical — must be submitted. Photocopies are not accepted.
- CSU graduates do not, generally, need to take the GRE. If you think it will strengthen your application, though, we recommend you do take it.

Check Your Application Status
View your application status at any time to ensure your application checklist is complete or to check on updates. Once your complete application, including supporting materials, is received, the department admission committee will review your application and promptly notify you of their decision.

International Students
See website for test score and transcript requirements.