Overview

Make a bigger impact within your company and enjoy the salary benefits that come with it when you earn your electrical engineering master’s from a leader in engineering research and education.

Designed for engineering professionals, the online master’s in electrical engineering offers a customizable curriculum students can tailor to meet their interests and career goals, with the flexibility to study from wherever you are.

What you learn

Upgrade your technical skills and learn new technologies in a program designed for engineering professionals.

Learn to use electronic theory and knowledge of materials properties to research, design, develop, and test electronic components and systems.

Topics of study include:
- Optical properties of nanostructures
- High resolution metrology techniques
- Engineering concepts of high-power pulsed electronics
- Analysis of power systems (current, voltage, and active/reactive power)
- Grid integration of wind energy systems
- Linear and non-linear optical properties
- Physics and operation of energy devices; solar-photovoltaic, wind energy, gas, coal and nuclear plants
- Particle beam accelerator technology and engineering

Who is a good fit for this program?
- Those with strong analytical and creative problem-solving skills
- Students who want to know more than just facts – they have a curiosity for understanding why things are the way they are
- Those who want to use the latest science, tools, and technology to shape the future and bring ideas to life
- Those with a vision for how something should work and a dedication to making it better, faster, and more efficient
- Those who want to use their knowledge to improve people’s lives in meaningful ways

Delivery

Online

Credits

30 credits

Tuition

$685 per credit
- Includes Student Services
- Fees assessed separately
- Financial aid is available; eligibility determined on an individual basis

Time frame

Can be completed in 2 years

Completion requirements

- 30 credits; 21 of which must be completed after formal admission.
- A maximum of 6 credits of 400-level undergraduate courses can be used toward the degree. Up to 8 credits at the 400-level are permitted when at least one course is a 4 credit course. Remaining credits must be in 500-level or higher courses.
- Up to six credits of 500-level, graduate coursework can be transferred from other regionally-accredited institutions; grades must be ‘B’ or higher in transferable coursework.

More info

online.colostate.edu/degrees/electrical-engineering

Contact

Maurice Kigada
Student Success Coach
maurice.kigada@colostate.edu
(970) 492-4722
Application Deadlines
Fall Semester: **July 1**  
Spring Semester: **December 1**

1. **Review Admission Requirements**
   - Bachelor of Science from a regionally accredited institution in engineering, computer science, physics, or related field that includes coursework in calculus
   - 3.0 GPA in undergraduate degree
   - GRE test scores (required)
   - Only persons with bachelor’s degrees from colleges or universities accredited by the Accreditation Board for Engineering and Technology (ABET) are eligible to apply. International students must hold degrees equivalent to U.S. bachelor’s degrees, and should be among the top students in their classes. Bachelor of Science in Electrical Engineering Technology (BSEET) degrees are not accepted

**Do you qualify for recommended admission?**
The standard application process into the program requires a pre-application reviewed by the Department of Electrical and Computer Engineering. Students who meet the conditions below and submit a pre-application, will be automatically recommended by the department to the Graduate School at CSU.
   - Complete two classes from the master’s degree curriculum with a GPA of 3.0 or higher and with no less than a 2.7 in any course. You can take up to 9 credits as a non-admitted student.
   - A Bachelor of Science from a regionally accredited institution in electrical engineering, computer science, or related field (minimum 3.0 GPA) is required.
   - International students must hold degrees equivalent to U.S. bachelor’s degrees, and should be among the top students in their classes. Bachelor of Science in Electrical Engineering Technology (BSEET) degrees are not accepted. International students must have passing scores in any one of the English proficiency exams (TOEFL, IELTS, or PTE).

Contact Katya Stewart-Sweeney at katya.stewart-sweeney@colostate.edu or by calling (970) 491-7850 if you are interested in the guaranteed recommendation option.

2. **Prepare Application Materials**
   - Resume
   - Statement of purpose
   - Provide GPA (on a 4.0 scale) and upload unofficial transcripts
     Prepare to list the names of schools you have attended through the online application. After submitting your application, upload a copy of your unofficial transcripts through the application portal. If you are recommended for admission, you will be required to submit a copy of official transcripts.
   - GRE scores
     Prepare to self-report the results of your GRE through the online application. After submitting your application, you will upload a copy of your GRE score through the application portal. If recommended for admission you will be required to submit official GRE scores.
   - Three letters of recommendation
     Three professional recommendations are required. Recommenders should be able to accurately speak to your abilities and potential for graduate study. 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.
How to Apply (Continued)

3 Submit the 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. You do not need to wait for transcripts to move your application forward.

- Select from the following when choosing a program of study:
  - Electrical Engineering (M.E.) - Distance
  - Electrical Engineering (M.S.) - Distance

4 Finalize Your Application
If you’ve been recommended to apply by the department, complete the steps below to finalize your application.

Submit official 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 GRE test scores (required)
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.
- A GRE Preparation course is available face-to-face and online through CSU.

Pay your application fee
If you are recommended to formally apply, log back in and pay your application fee.

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.