

Computer Engineering

Master of Engineering (M.E.) – Computer Engineering Specialization
Master of Science (M.S.) in Computer Engineering



COLORADO STATE UNIVERSITY
ONLINE

Overview

Designed for engineering professionals, the program offers a customizable curriculum students can tailor to meet their interests and career goals, with the flexibility to study online.

The M.E. and M.S. programs are coursework-only degrees that focus on a wide range of hardware and software applications. Heavy emphasis is placed on computer system design and exploration, architecture of mobile and warehouse scale computers, network programming, and internet protocols.

Students will learn:

- Up-to-date industry trends and technology capabilities.
- To apply creativity, in-depth knowledge, and information gained to their own careers – in many cases having access to knowledge that is not broadly known yet due to innovative faculty research.
- Information that will provide specific depth in their area of focus such as high-performance computing, embedded systems, networking, etc.
- To identify, formulate, and solve advanced engineering problems using fundamental computer engineering principles, methodologies, and tools.
- To combine theory and mathematics to create simulations/prototypes using modern modeling software – the same as what is used in industry.
- To understand the ethical, economic, environmental, and societal impacts of their work.

Requirements

Students complete 30 semester credits, 21 of which must be completed after formal admission to Colorado State University. This degree is coursework only; neither a thesis nor oral exam is required.

- Minimum of 21 credits earned at Colorado State (must be at 500-level or higher).
- Up to 15 credits of coursework may be taken outside of the electrical or computer engineering discipline, subject to approval by the M.E. advisor and the Graduate Admissions Committee.
- No independent study, research, internship, supervised college teaching, or practicum credits may be credited toward the degree.
- 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. 400-level courses are only accepted toward the degree when taken after formal admission.
- 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.

Delivery

Online

Credits

30 credits

Tuition

\$705 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

More info

online.colostate.edu/degrees/computer-engineering

Contact

Lauren Kelly
Student Success Coach
lauren.aubrey.kelly@colostate.edu
(970) 491-3390

How to Apply

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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.

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. Your application will not be reviewed until it is complete and all required materials have been received.

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

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.