Overview

Today's tech-dependent world is ripe with opportunities for those who have in-depth computer science knowledge. Rising software development needs across industries, a growing emphasis on cybersecurity, and an increase in cloud computing systems are just a few examples of trends driving demand for qualified experts with an advanced computer science education.

At CSU, faculty research and expertise include:

- Databases
- Software engineering
- Artificial intelligence
- Security and information assurance
- Networking
- Parallel computing
- Bioinformatics
- Machine learning

The CSU Computer Science Department supports high-quality research and encourages independent thinking and initiative.

Curriculum

Course Topics

Online courses follow a schedule that is parallel to courses offered on campus and feature our faculty’s expertise as they work through real-world, relevant problems.

- Object-Oriented Design
- Artificial Intelligence
- Computer Networks and the Internet
- Parallel Programming
- Software Product and Process Evaluation
- Database Management Systems
- Machine Learning
- Foundations of Fine-Grain Parallelism
- Computer Architecture
- Software Specification and Design
- Fault-Tolerant Computing
- Computer Security
- Advanced Networking
- Parallel Processing
- Software Testing and Analysis

Delivery

Online

Credits

35 credits

Tuition

$696 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

• A minimum of 35 semester credits; 20 of which must be earned at the 500-level or above.
• 24 of those credits must be earned at Colorado State University, 21 of which must be earned after formal admission.

More info

online.colostate.edu/degrees/computer-science

Contact

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Student Success Coach
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(970) 492-4722
How to Apply
Computer Science - Master of Computer Science (M.C.S.)

Application Deadlines
Fall semester: May 1  Spring semester: November 1

1 Review Admission Requirements

- A bachelor’s degree from a regionally accredited institution is required. International applicants must have a bachelor’s degree equivalent to a 4-year degree from a U.S. institution.
- Students entering the master’s program are expected to be fluent in an object-oriented language (e.g., Java or C++). This preparation consists in possessing at least the following:
  - An understanding of computer organization/architecture, data structures and algorithms, program/software design methodology, theoretical foundations, and operating systems design concepts.
  - A working knowledge of calculus, linear algebra, introductory probability, applied statistics, and discrete structures.
  - An overall GPA of at least 3.0 out of 4.0, and a GPA of at least 3.2 in computer science and mathematics course work.
- GRE test scores are required for international applicants only.
- A 3.0 GPA on all undergraduate coursework and a GPA of at least 3.2 in Computer Science and Mathematics coursework.

2 Prepare Application Materials

- Letters of Recommendation
  Three professional recommendations are required. 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.
- Resume
  Indicate your education, training, and work experience.
- Statement of Purpose
  The statement should include plans and reasons for graduate study, and what you hope to gain from the graduate program.
- Transcripts
  You can upload unofficial transcripts for preliminary review before requesting official transcripts.
- Test Results
  GRE scores are optional for domestic students. If you choose to submit GRE scores, they must be reported as percentages (not raw scores). If you do not submit GRE scores, enter zeros for all GRE components. All international applicants from countries where English is not the primary language must supply English proficiency score reports (TOEFL or IELTS). Screen-shots of test scores from testing company web sites are acceptable.

  International MCS Applicants: If you do not have a transcript from a college or university located in the USA, you must submit GRE scores. A minimum of 75th percentile on the quantitative section is required for your application to be considered.

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How to Apply (Continued)

- **TOEFL/IELTS (if applicable)**
  DO NOT send your application material also by email or regular mail. If you are recommended for admission, official copies of your transcripts and test score reports will be required as part of the formal application process.

3 **Submit Online Application**

Complete the [online graduate application](#). As soon as you have completed the required information, please submit your application. You do not need to wait for transcripts or test scores to move your application forward.

- Select “Computer Science MCS - Distance” when choosing the program of study.

4 **Finalize Your Application**

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](mailto:gradadmissions@colostate.edu)

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

5 **Submit Test Scores (Recommended)**

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 [graduate 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.