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 cyber security, 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

Contact

(970) 492-4898
online.colostate.edu/contact

Delivery

Online

Credits

35 credits

Tuition

$649 per credit; financial aid is available

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
Application Deadlines

Fall Semester
Pre-Application Deadline: **May 1**
Graduate School Application Deadline: **July 1**
(Application should be submitted after departmental recommendation)

Spring Semester
Pre-Application Deadline: **November 1**
(It is recommended you complete the Pre-Application by October 1 for full consideration)
Graduate School Application Deadline: **November 1**
(Application should be submitted after departmental recommendation)

For the most current application information, please call the Student Success team at (970) 492-4898.

1. **Review Minimum Admission Requirements**
   - A bachelor’s degree from a regionally accredited institution
   - A demonstrated understanding of computer organization/architecture, data structures and algorithms, program/software design methodology, theoretical foundations, operating systems design concepts, core computer science competencies in object oriented programming and discrete mathematics, and mathematical skills in linear algebra, statistics, and calculus.
   - A 3.0 GPA on all undergraduate coursework and a GPA of at least 3.2 in Computer Science and Mathematics coursework (please contact us to learn about exceptions)
   - GRE test scores are recommended, but not required for admission

2. **Complete the Computer Science Department Pre-Application Online**
   After you submit the pre-application and application materials, the Computer Science Graduate Admissions Committee will review your file. If you are recommended to apply for admission, move on to Step 3.

   - **Submit Application Materials**
     Gather all of the following materials and upload documents to the Department of Computer Science preliminary application. All electronic uploads must be an Acrobat PDF document (.pdf).

     - **Transcripts**
       Include transcripts from ALL institutions attended. Do not include high school transcripts. If your degree is not posted on the transcript, also include degree certificate.

     - **Resume**
       Indicate your education, training, and work experience

     - **Statement of Purpose/Research Interest**
       The statement should include plans and reasons for graduate study, and what you hope to gain from the graduate program.
How to Apply (Continued)

☐ 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.

☐ References
Names of three individuals who will provide letters of reference. References given in the preliminary application will receive an automatic email requesting them to submit a letter of reference.

DO NOT send your application material by email or regular mail. If you are recommended for admission, official copies of your transcripts and test score reports will be requested as part of the formal application process.

3 Apply Online
If you are recommended to apply for formal admission by the Computer Science Graduate Admissions Committee, complete the online graduate application and pay the nonrefundable application processing fee (payable online).

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

Because you submitted most of your application materials as part of the prescreening process, you only need to submit official transcripts and test scores (as applicable) to complete your formal application.

☐ Official Transcript
Submit 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. Transcripts should be submitted to:

Graduate Admissions
Computer Science Department
Colorado State University
1873 Campus Delivery
Fort Collins, CO 80523-1873

☐ GRE Test Scores
Though not required, GRE test scores are recommended. Submit official GRE General Test scores through the Educational Testing Service (select institution code: 4075). Scores are typically received by the University 4-6 weeks after your testing date.