From crafting the technologies that keep our mobile devices working to developing large-scale software that powers business and industry, computer scientists use their technical and creative skills to improve people’s lives. The software infrastructure, embedded systems, and mobile apps created by computer scientists impact diverse fields including business, medicine, law, music, and education.

At CU-Boulder, undergraduate computer science students develop an array of skills that prepare them for a wide range of jobs, many of which earn top pay in today’s job market. Computer science is interdisciplinary and collaborative, providing students with the opportunity to explore applications in fields ranging from science to architecture to medicine and to work with faculty in a variety of disciplines. The department’s seven specialized tracks allow students to tailor their degree to their own interests.

“Computer science is boundless and limitless for your creativity. You can use it in any way you want. I want to help develop Third World countries through e-learning.”
— Maryam Gooyabadi

Computer scientists are in high demand. The wide applicability of computer science skills means graduates have more opportunity to choose from a variety of locations, work settings, and type of work.

A computer science degree prepares students for careers including:
- software development
- computer engineering
- software start-ups
- robotics
- computer animation
- mobile applications
- health and bioinformatics
- educational technologies

Did You Know?
Computer science faculty and students involved in CU’s Project EPIC are developing tools to understand how people use social media during times of disaster.

Degrees Offered
BA  BS  MS  PhD
BS/MS  Minor

Rankings (USNWR)

Computer Science
- 21st among public graduate engineering programs nationwide
- 17th among public undergraduate engineering programs nationwide
- 20th among public graduate engineering programs nationwide

Hands-on Learning
At CU, students learn by doing. In the department of Computer Science, students tackle problems hands-on, including completing year-long software design projects for industry clients. CS undergraduates also gain valuable experience through research with expert faculty both in and outside of the department. Many students also learn through internships and active learning experiences.
Course Highlights

Software Projects Capstone
During the last year of their major, CS students take a two-semester capstone course on software development that involves seniors working in teams of four on real software development projects submitted by industry sponsors. CU was one of the first computer science departments in the nation to offer a two-semester hands-on course starting in 1987 and running continuously for the past 25 years! Students consistently rate this course as one of the best courses they take at CU.

Robotics at CU
Prof. Nikolaus Correll joined the CS department in Fall 2009 and immediately began work on the development of two robotics courses at CU. Introduction to Robotics and Advanced Robotics teach undergraduates and graduate students about the fundamental concepts of robotics, a field that combines techniques from artificial intelligence, software engineering, computer vision, and software simulation to create robotic systems. Students gain mastery in these techniques and get to interact with the robots developed in Prof. Correll’s lab.

For more information visit www.colorado.edu/cs