COLORADOSCHOOLOFMINES
EARTH • ENERGY • ENVIRONMENT

DEPARTMENT OF COMPUTER SCIENCE

CS.MINES.EDU

CS@Mines

PROGRAM SCOPE

The CS degree at Mines is accessible to students with or without prior programming experience, and reflects a mixture of theory and application. Students are exposed to common industry practices and a wide variety of programming languages such as Ruby, Python, Java, Haskell and C++.

390
Undergraduate students

$74,643
Average starting salary for Computer Science graduates based on 2016-17 Mines Career Center Outcomes.

14
Faculty members

INTERNSHIPS & CAREER OPPORTUNITIES

Students and graduates find positions in several different sectors, including technology, engineering and financial companies. Computing jobs are among the **highest paid**, and computing professionals generally report **high job satisfaction**.

STUDENT EXPERIENCE & HANDS-ON LEARNING

Hands-on learning is not confined to the classroom at Mines. There are a number of clubs and competitions in which students can get involved. Club volunteers have the unique opportunity to work on projects that benefit Mines and surrounding communities. Opportunities are also available for students to participate in K-12 outreach with the goal of encouraging the next generation of computer scientists.

AREAS OF STUDY

DEGREES OFFERED

- ✔ **Computer Science**
  Bachelor's, Master's & PhD offered
- ✔ **CS+ Computer Engineering**
  Bachelor's
- ✔ **CS+ Data Science**
  Bachelor's
- ✔ **CS+ Robotics & Intelligent Systems**
  Bachelor's
- ✔ **CS+ Research Honors**
  Bachelor's
- ✔ **CS+ Business**
  Bachelor's

MINORS

- \+ **Computer Science**
- \+ **Computer Engineering**
- \+ **Data Science**
- \+ **Robotics & Intelligent Systems**

EXAMPLE CS ELECTIVE COURSES

Mobile applications
Web programming
Security and privacy
Robotics
Data science
Artifical intelligence
Machine learning

WOMEN IN COMPUTER SCIENCE | LINUX USERS GROUP | K-12 OUTREACH | INDUSTRY PARTNER PROGRAM | ACM TECH TALKS

CS@Mines

C-MAPP 2017-18

The Computing-Mines Affiliate Partnership Program is designed to improve relationships between industry and CS@Mines, while also providing professional learning activities to Mines' computing students. C-MAPP Partners have a professional interest in the well-being of computing at Mines.

FACULTY & RESEARCH

Robotics | Applied Algorithms | Education | High Performance Computing | Machine Learning | Networking | Security & Privacy

Dr. Tracy Camp
Networking, Education, Machine Learning

Dr. Neil Dantam
Robotics

Dr. Wendy Fisher
Machine Learning, Education

Dr. Qi Han
Networking

Dr. William Hoff
Robotics, Computer Vision

Dr. Dinesh Mehta
Applied Algorithms

Dr. C. Painter-Wakefield
Machine Learning

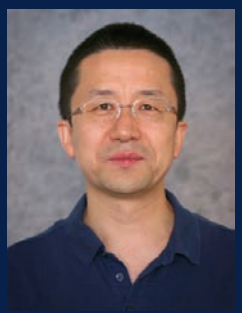
Dr. Jeffrey Paone
Machine Learning

Dr. Hua Wang
Machine Learning

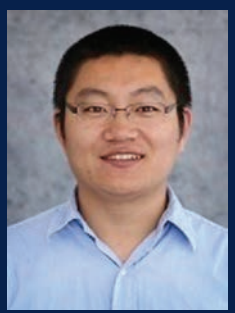
Dr. Bo Wu
High Performance Computing

Dr. Thomas Williams
Robotics

Dr. Dejun Yang
Networking, Mobile Sensing



Dr. Chuan Yue
Security & Privacy



Dr. Hao Zhang
Robotics