DEPARTMENT OF COMPUTER SCIENCE

PROGRAM SCOPE
The Mines computer science degree 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 including Python, Java, Scala, JavaScript and C++.

INTERNSHIPS & CAREER OPPORTUNITIES
Students and graduates find positions in several sectors including technology, engineering and financial companies. Computing jobs are among the highest paid, and computing professionals generally report high job satisfaction. 95% of 2019-20 graduates had positive career outcomes*.

STUDENT EXPERIENCE & HANDS-ON LEARNING
At Mines, hands-on learning is not confined to the classroom. 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. Students may also participate in K-12 outreach with the goal of encouraging the next generation of computer scientists.

STUDENT ORGANIZATIONS
- Association for Computing Machinery (ACM)
- Association for Computing Machinery - Women (ACM-W)
- Linux Users Group (LUG)
- OreSec (Cybersecurity)
- Robotics Club and other interdisciplinary clubs

AREAS OF STUDY
DEGREES OFFERED
- Computer Science
  Bachelor's, Master's & PhD offered
- CS+ Business
  Bachelor's
- CS+ Computer Engineering
  Bachelor's
- CS+ Data Science
  Bachelor's
- CS+ Research Honors
  Bachelor's
- CS+ Robotics & Intelligent Systems
  Bachelor's
- CS+ Space
  Bachelor's

MINORS
+ Computer Science
+ Computer Engineering
+ Data Science
+ Robotics & Intelligent Systems

EXAMPLE CS ELECTIVE COURSES
- Artificial Intelligence
- Data Science
- Mobile Applications
- Robotics
- Security and Privacy

*Information is from the 2019-20 Mines Career Center Outcomes Survey
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.