

# Computer Science

## Bachelor of Science

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### What is Computer Science?

In the simplest of terms, computer science is the study of computers and computational systems. Computer scientists manage data, using it to solve problems. Computer scientists work in virtually every sector of our economy, from artificial intelligence and virtual reality to healthcare and finance.

### What does a computer scientist do?

Computer scientists develop mathematical models that allow interaction between humans and computers. Essentially, they teach computers what to do using the computer's own language or code.

Just a few of the things a computer scientist might do include:

- Assist scientists and engineers in solving complex computing problems
- Invent new computing languages, tools and methods to improve interactions between computers and humans
- Develop and improve software systems
- Design experiments to test software systems

A degree in computer science from South Dakota Mines gives you an advantage over graduates from other universities. South Dakota Mines computer science graduates typically have some of the highest starting salaries of any of our majors, earning an average starting salary of \$75,843, and enjoying a placement rate of 95%. The job placement rate for 2018-2019 South Dakota Mines computer science graduates was 95%.

### Careers

With a computer science degree from South Dakota Mines, you have countless career options, including:

- Software developer
- Database administrator
- Software engineer
- Database design and management
- Parallel computing
- Programming, virtual reality
- Robotics
- Mob web development
- Information security analysts
- Computer programmer
- Information assurance and cryptography

For more information: <https://www.sdsmt.edu/Academics/Degrees/Computer-Science/>

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