

# COMPUTER SCIENCE

*"I chose computer science because I get the ability to build anything I want using my knowledge and learned skills to solve real world problems."*

**- Raunak**



## ABOUT THE DEPARTMENT

Graduates receive a Bachelor of Science (BS) in Computer Science with an emphasis in General Curriculum, Computer Science concentration with a focus in grad school preparation, Computational Mathematics, and Information systems. Within these concentrations students may study artificial intelligence, data science, sensing, and open source software engineering. A Computer Science minor is also available.

## OPPORTUNITIES & INTERNSHIPS

- Students taking CS courses often engage with the community as part of the course requirements. For example, the students in the Database Systems course (CSC 330) create web-enabled database systems that support local businesses and organizations in their daily operations. Students in the Introduction to Robotics course (CSC 126) take their robotic creations into the community to demonstrate them to K-12 students, building excitement around CS for future generations.
- CS students often spend their summers doing internships, ranging from offices on-campus to experiences in New York and California.

- Faculty use summer as a time for research, hiring students through the work program to help complete projects. Examples include the creation of a quadruped robot using 3D printers, low-cost sensor to test for contaminated water sources, advanced game theory, and the use of drone technology to survey archaeological sites.
- Berea College offers many student work positions within Computer Science such as CS tutor, research assistant, and student programmer.

## CAREERS & OUTCOMES

Buoyed by their experience in the work program and outreach opportunities, Computer Science graduates find work or continue their education in a variety of fields including:

- Software engineering
- Cyber-security and networking
- Information Technology
- Financial Modeling and Prediction
- Web design and development
- Supercomputing
- Mobile application development



## WHY IS A LIBERAL ARTS EDUCATION VALUABLE?

A liberal arts education at Berea College, combined with our work study program, equips students with highly employable skills like communication, problem-solving, and teamwork. Beyond offering a degree program, we help our students develop social responsibility and prepare them to successfully navigate diversity, change, and the complex demands of a modern work place.



80

percentage of employers who want colleges to emphasize critical thinking, analytic reasoning, and oral and written communication.

#1

Berea College's ranking as "Best Liberal Arts College" by Washington Monthly Magazine, 2018.

75

percentage of employers who believe successful college graduates should have both liberal arts training and experience in the field.

90

percentage of Berea students who credit liberal arts and work study for developing their communication, critical thinking, & problem-solving skills.



*"People with a liberal arts education are able to think and view the world from several different perspectives . . . This ability to understand and adapt is very valuable in today's workplace."*

**Edward B. Rust Jr.**  
**Chairman and CEO, State Farm Insurance Companies**