



Computer Science, B.S.

In an era of rapid technological advancements, the computer science field has exploded in the last few decades, opening doors to a wealth of careers that not only are dynamic but also address issues in today's world. Through a rigorous and balanced core of mathematical, theoretical and practical computational knowledge, the Computer Science program encompasses the breadth of computer science in industry, service, and research.

Experience Your Learning

Computer science is about problem-solving. That begins with our professors who will work with you one-on-one on projects that bring concepts to life.

As a freshman majoring in Computer Science, you, along with Math, Software Engineering, Data Science, and Geospatial Information Science & Technology majors, will automatically be part of our Place-Based Learning Community called Representing Realities. This year-long program immerses you in the world of mathematical and computational modeling, while helping build connections with students who are as passionate about modeling the world around us as you.

Tackle everything from solving issues relevant in the local community to playing with the latest VR-based video game technology at the Humboldt Library's Makerspace. It's about learning to solve difficult problems with unique, effective, and elegant solutions.

The Math and Computer Science Lab has dozens of workstations connected to the campus network for access to campus and Internet resources.



Did you know?

- Students built a supercomputer that makes 115 trillion calculations per second and supports hands-on research across disciplines.
- Computer and Information Technology jobs are projected to grow 12 percent by 2028.
- To calculate how (and how often) people used spaces in the Humboldt Library, Computer Science students helped launch SpaceUse, open source software designed to record seating information on a tablet and produce reports on the data.
- Indian Natural Resources, Science and Engineering Program (INRSEP) + Diversity in STEM provides academic and research support services to first generation, low income, and historically under-represented STEM students with a focus on American Indian and Indigenous students.



Academics & Options

Computer Science, B.S.

Our Bachelor of Science degree program focuses on preparing students for roles across the breadth of computer science, in industry, service, and research. Our approach to computer science includes a rigorous and balanced core of mathematical, theoretical and practical knowledge about computation.

Computer Science Minor

Our minor introduces students in other disciplines to key elementary concepts in computing. Though this is not always sufficient for many careers in computing, many Computer Science minors obtain additional training in order to launch careers in the field.

Get Involved

- The Computer Science Club gives students a chance to meet and collaborate with other CS students. It's a welcoming atmosphere for everyone while creating engaging events to help spread the wonders of technology to the community.
- Computer Science students have the opportunity to apply their knowledge and creative problem solving to a wide variety of real world issues, through events, collaborations, internships, summer research experiences, and partnerships.



Careers

With a Computer Science degree (and the technical, communication, and critical thinking skills that come with it), there's so much you can do!

- Commercial Banking Computer Programmer
- Computer Game Developer
- Computer Hardware Engineer
- Computer Systems Analysts
- Cryptologist
- Data Mining Specialist
- Database Developer
- Information Systems Programmer
- Medical Systems Administrator
- National Security Analyst
- Telecommunication Designer
- Web Architect



Humboldt played such a significant role in my journey. It's the place where I got the opportunity to meet some key professors, mentors, and other students. You can't underestimate the value of making connections. Cultivating those kinds of relationships is one of the most important skills to have as you build your career."

Dan Phillips ('91, Business and Computer Information Systems), former CTO of Hulu