Program Overview

The Computer Science program at Humboldt State prepares you for roles across the breadth of computer science, in all sectors of the economy, including industry, government or academia. Our approach to computer science includes a rigorous and balanced core of mathematical, theoretical and practical knowledge about computation. You are offered electives in topics like robotics, challenging you to learn deeply and to engage with the tools of the discipline. Our approach also emphasizes active engagement in the learning process both in and beyond the classroom. To support this approach, faculty vigorously pursue their own professional development.

Majors have access to a departmental lab, which provides dual-booting Linux and Windows platforms with many language compilers. Our Internet Teaching Laboratory (ITL) provides an isolated network for network design experimentation and student investigations in computer security. Our robotics instruction is supported by a collection of robot kits used for our courses. Servers for n-tier application development are also available to students.

At HSU, you may participate in the Computer Science Club, affiliated with the national Association for Computing Machinery (ACM). Or, you may enjoy internship and study abroad opportunities. Faculty typically hold memberships with professional organizations including the ACM, IEEE Computer Society, and the Consortium for Computing Sciences in Colleges.

The job forecast for computer specialists is outstanding. An analysis by the Federal Bureau of Labor Statistics revealed that 71% of the anticipated increases in Science and Engineering jobs will be in computing. While numerous careers are available to you with a Bachelor’s degree, many graduates choose to go on to graduate studies in areas such as computer graphics, parallel computing, man-machine interfaces, data communications, computational philosophy, expert systems, artificial intelligence, embedded computer applications, distributed systems, and networking.

For more information

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Office of Admissions
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Bachelor of Science Minor

Related Careers
Bioinformatics
Database Applications
Database Design
Expert Systems
Embedded Systems
Geographic Information Systems
Network Administration
Security Analyst
Software Engineer
Robotics
Web Programmer

Some of the career possibilities listed may require additional or specialized coursework.