



DEPARTMENT OF ENGINEERING AND COMPUTER SCIENCE

ACCEPT THE CHALLENGE™

Why choose computer science at Geneva?

In an age of technology, computers touch all aspects of life. Students at Geneva gain experience in software development, network security, computer architecture, creating and troubleshooting networks, and the science behind programming. The curriculum is rooted in a Christian worldview, which enables our students to combine their technical training with their understanding of God's purpose in creation, contributing through their work to the kingdom of God.

- Course and project work are primarily supported by Windows-based microcomputers available in two classroom labs with 30 workstations each and a general purpose lab with 12 workstations.
- Access to a Beowulf-style computing cluster is available for special projects requiring parallel computing facilities.
- A breadth of knowledge through the common core courses in programming, software engineering, computer architecture, operating systems and networks
- A depth of knowledge in an application area through completion of a concentration chosen to complement talents, interests and vocational goals.
- Supported by a lab in the Technology Services Department, where practical, hands-on activities are performed

What degree options are available at Geneva?

A B.S. IN COMPUTER SCIENCE, with concentrations in:

- **HARDWARE**—Focus on design and application of microprocessors and embedded systems
- **INFORMATION SYSTEMS**—Focus on the application of computer technology to the problems and constraints specific to the field of business
- **SCIENCE/MATH PROGRAMMING**—Focus on the math and physics background needed to apply the computer to complex problems in math, science and engineering
- **WEB TECHNOLOGY**—Focus on the design and maintenance of software systems for the Internet

What can I do with a computer science degree from Geneva?

- Hardware and software design for aerospace equipment, medical devices, hand-held devices and telecommunication equipment
- Management of database systems, information systems, data mining applications and support of business information needs
- Consulting for manufacturing applications, scientific research, pharmaceutical research and national security applications
- Web engineering, network design and administration, and computer security

What internships are available through Geneva?

Some common internship opportunities for Geneva students include:

- Management Science Associates
- Horsehead Corporation
- U.S. Steel
- Geneva's Technology Services Department

What are some classes I might take at Geneva?

- Christian Ethics & Computer Science
- GUI Design & Programming
- E-commerce
- Computer Security
- Software Engineering

Academic Organizations

- Math Club

Now dig deeper...

...by visiting www.geneva.edu to find full descriptions of majors and concentrations, read current student stories, meet the faculty, schedule your campus visit and apply for admission.

Or contact the Admissions Office at 800.847.8255 or admissions@geneva.edu.

"You're taking the rules of logic, basically the operating system that God has coded for creation, and creating software that affects and improves the real world."

Logan Scavo, computer science major