



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, computer 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 a classroom lab with 30 workstations and a general purpose lab with 12 workstations.
- Students achieve breadth of knowledge through the common courses in programming, software engineering, computer architecture, operating systems and networks
- Students achieve a depth of knowledge in an application area through completion of a concentration chosen to complement talents, interests and vocational goals.
- Our teaching philosophy is strongly skewed toward active, hands-on learning. This goal is supported by a departmental server and two small labs, 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
- **SCIENCE/MATH PROGRAMMING**—Focus on the math and physics background needed to apply the computer to complex problems in math, science, engineering and data analysis
- **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?

Geneva alumni work in the following areas:

- Database system management
- Information systems administration
- Data mining
- Consulting
 - manufacturing applications
 - scientific research
 - engineering projects
 - technical writing
- National security applications
- Web engineering
- Network design and administration
- computer security
- Software engineering
 - business
 - banking
 - finance
 - medical & pharmaceutical
- Technology services

What internships are available through Geneva?

Some common internship and creative opportunities for Geneva students include:

- Creehan & Company
- McKesson
- Geneva's Technology Services Department
- Google Summer of Code

What are some classes I might take at Geneva?

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

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