DEPARTMENT OF ENGINEERING AND COMPUTER SCIENCE
Majors in Computer Science

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 minors in:

- CYBERSECURITY—Focus on system cyber techniques, probing and scripting
- DATA SCIENCE (BIG DATA)—Focus on the analysis and interpretation of large sets of data found in a wide range of disciplines such as genomics, physics, business and more
- WEB and MOBILE TECHNOLOGY—Focus on Software development that can be applied to web, mobile and cloud applications
- Or any other major or minor offered at Geneva (with the exception of computer science or software development minors, designed specifically for non-computer science majors)

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](http://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](mailto: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