



Hood College

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

hood.edu/csit

Computer science is a dynamic field that offers many promising career opportunities. The computer science program at Hood is accredited by the Computing Accreditation Commission of ABET, the global accreditor of college and university programs. The department has also been designated as a National Center of Academic Excellence in Cyber Defense (CAE-CD) by the National Security Agency (NSA) and the Department of Homeland Security (DHS).

Our faculty work with an innovative curriculum to teach you the foundations of computer science and state-of-the-art technologies. You will study topics in all major areas of computer science, including programming languages, databases, software engineering, artificial intelligence, web programming, computer architecture, networking, robotics, security and parallel processing. You will be prepared for immediate employment, a long-term professional career or advanced studies.

You will gain access to modern classrooms, laboratories and study areas. The department has a dedicated 24-hour computer lab, equipped with high-end workstations. You may also take advantage of specialized facilities, including a virtual forensics lab and a cybersecurity lab. Hood also offers access to top-ranked supercomputers across the country.

A DEGREE IN TECH CAN
TAKE YOU ANYWHERE.



Hood College's computer science program is excellent. The instructors are incredibly intelligent and personally invested in their students, the small class sizes enable you to collaborate with your fellow students and the research opportunities such as departmental honors add a layer of creativity to a technical field. I am incredibly grateful for the experiences this program provided.

—BENJAMIN DAVIDS '24
Computer Science Major



[HOOD.EDU](https://hood.edu)



UNDERGRADUATE PROGRAMS

- Computer Science (B.S.)
- Computer Science Minor
- 4PLUS (B.A./B.S.) + Computer Science (M.S.)
- 4PLUS Computer Science (B.S.) + Cybersecurity (M.S.)
- 4PLUS Computer Science (B.S.) + Information Technology (M.S.)

GRADUATE PROGRAMS

- Bioinformatics (M.S. or Certificate)
- Computer Science (M.S.)
- Cybersecurity (M.S. or Certificate)
- Information Technology (M.S.)
- Management Information Systems (M.S.)

BEYOND THE CLASSROOM

You will join a vibrant department that offers experiential learning and special projects. Hood's proximity to the I-270 Technology Corridor, as well as Washington, D.C., and Baltimore, provides you with numerous opportunities for internships, which enhance classroom knowledge and provide real-world experience.

Undergraduate degrees culminate with a mandatory year-long senior project. You will engage in real software development, advancing and improving your communication, teamwork and leadership skills. Some of these projects have led previous students to professional conference presentations and papers.

FAST FACTS

- The median starting salary for CS and IT majors is \$80K.
- ABET-accredited program.
- Hood graduates have worked at NASA, Leidos, NCI, Booz Allen Hamilton, NIST, Northrop Grumman, NSA, Lockheed Martin and more. Others have pursued master's and doctoral degrees at top institutions across the world.



4PLUS

Hood's 4PLUS program combines undergraduate and graduate studies to save you time and money. By working with your adviser, you can start taking courses toward your master's in your junior or senior year and earn dual-course credit for both your bachelor's and master's degree.

Computer science majors can work toward a master's in cybersecurity or information technology. Any major can work toward a master's in computer science.

CAREERS IN COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

In a technology-driven world, nearly every industry relies on computer science and information technology professionals.

- Computer Programmer
- Computer Support Specialist
- Cybersecurity Analyst
- Data Scientist
- Full-Stack Developer
- IT Project Manager
- Network Administrator
- Software Engineer
- User Experience Designer
- Video Game Developer
- Web Developer



HOOD.EDU



ADM-24-106-H

Our faculty are committed teachers, active in scholarship, service and mentorship—faculty who will work with you and help develop your critical thinking skills.

Visit and Apply

Hood College
401 Rosemont Avenue
Frederick, MD 21701-8575
301-696-3400
admission@hood.edu

Your future is **WORTH THE WORK.**



HOOD.EDU