What do our graduates say?

"The Computer Science Department does not just teach concepts, it constantly challenges you with new projects and builds you into a problem solver. The logical thinking skills I learned at Frostburg allow me to solve problems on a global scale at Google every day."

— Bradley Phillips ’10/M’11
Google Inc., Software Engineer

"Frostburg State University’s undergraduate and graduate programs in computer science and information technologies are outstanding. I received the education I needed to succeed, all in a small-class environment that made it easier to learn. The instructors are willing to go the extra mile to make sure each student understands the material. The program not only gave me the knowledge I required, it taught me how to continue advancing myself well after graduation."

— Scott Zupanic ’09/M’11
SRI International
Research Engineer in the Engineering Systems Group

"The Frostburg State University Computer Science and Information Technologies undergraduate degree program doesn’t just teach specific programming languages, the program pushes problem-solving skills so that the knowledge you walk out of there with can be applied to many different applications and fields of study. I am currently pursuing a master’s degree in applied meteorology at Plymouth State University, N.H., where my thesis project is coupling the codes of separate forecasting models to improve icing forecasts in complex terrain."

— Taleena Rae Sines ’11
Plymouth State University, N.H.
Graduate Student

What is the future of the department?

We are a fluid and dynamic department with a finger on the pulse of our fields. We will continue to offer new courses, and new programs, that are relevant to your success. Our newer initiatives include the SCIA program (i.e., cyber security), revamped seminar offerings (e.g., bioinformatics) and consistently reviewed and updated pedagogy for all courses.

*Picture the Future*

Imagine attending classes in a modern facility built with computing students in mind! That is the purpose of the new Center for Communications and Information Technologies building at FSU. Amenities such as breakout rooms, common study lounges and “hang-out” areas will adorn the building. The CSIT department will house four dedicated computer labs and two research labs along with state-of-the-art classrooms. Finally, there will be a Computer Science and Mathematics resource center/study lounge located beside the department.

For more information:

DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES
FROSTBURG STATE UNIVERSITY
101 BRADDOCK ROAD, FROSTBURG, MD 21532-2303
PHONE: 301.687.4364 EMAIL: CSIT@frostburg.edu

www.frostburg.edu/dept/cs/

FSU is committed to making all of its programs, services and activities accessible to persons with disabilities. To request accommodation through the ADA Compliance Office, call 301.687.4102 or use a Voice Relay Operator at 1.800.735.2258. Frostburg State University is a smoke-free campus.
What majors does the CSIT Department offer?

Undergraduate Majors:

Computer Science (CS)
Concentrations: Networking
On graduating from the CS program, you have a theoretical understanding of computer science and how to apply the knowledge obtained to solve a problem. You are capable of adapting quickly to the needs of an employer. You have the ability to solve difficult, potentially unexplored, problems from all areas of society. Using an appropriate computer language, you can contribute to the solution.

Computer Information Systems (CIS)
On graduating from the CIS program, you have the theoretical and applied understanding of how data and information are stored and manipulated in and across organizations. You are capable of programming databases and various support systems (e.g., expert systems, decision support systems, transaction processing systems). Because you were required to take business courses, you have enhanced your understanding of how businesses use data and information.

Information Technology (ITEC)
Tracks: Computer Security, Business IT, Accounting, Graphic Arts, Mass Communications
On graduating from the ITEC program, you understand how technology, both hardware and software, is used to enhance an organization. You are the agent of change when an organization requires new technologies. You help it streamline and become more competitive.

Secure Computing and Information Assurance (SCIA)
Introduced in 2012, our newest program addresses the national shortage of cyber security professionals in government and private industry. On graduating from the SCIA program, you understand the importance of securing all forms of technology used by an organization (e.g., communications, software, networks, data and information). You help organizations prevent security breaches by integrating off-the-shelf and custom security measures in existing security procedures. Security best practices are explored in all areas of computing.

Looking to distinguish your resumé from the rest?
We also offer minors in all of our majors.

Graduate Programs:

Master of Science in Applied Computer Science
Want to increase your knowledge base, your marketability and your starting salary? Consider earning a Master of Science degree in applied computer science. With guidance from your advisor, you can obtain two degrees (B.S. and M.S.) in five years.

What are some of the jobs graduates can obtain with a degree from the CSIT Department?

Computer Science
Software engineer, software developer, software development manager, network control specialist, distributed systems programmer (e.g., CORBA and RMI), network programming specialist, network security specialist and game developer

Computer Information Systems
Database administrator, data analyst, data warehouse specialist, back-end website programmer and SAP NetWeaver programmer

Information Technology
System analyst, system engineer, network engineer, help desk manager, data modeler, network auditor, database administrator, UX analyst and project manager

Secure Computing and Information Assurance
Network security specialist, software tester, secure software engineer, cyber incident responder, cyber risk analyst, computer forensics specialist and cyber security specialist

Companies that have hired our students
(to name a few)
- Google
- IBM
- CTAC
- Verizon
- Boeing
- Lockheed Martin
- ATK
- Raytheon
- CIA
- FBI
- DOD
- Microsoft
- Orbital Sciences
- NSA
- Dell
- AT&T
- KeyW
- WVU

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- Boeing
- Lockheed Martin
- ATK
- Raytheon
- CIA
- FBI
- DOD
- Microsoft
- Orbital Sciences
- NSA
- Dell
- AT&T
- KeyW
- WVU