About the Fred DeMatteis School of Engineering and Applied Science

- The Fred DeMatteis School of Engineering and Applied Science is home to the departments of computer science and engineering
- Plans are underway for a new 65,000-square-foot building that will serve as a research corridor on Long Island
- Undergraduate students have access to six state-of-the art labs, including a Big Data Lab
- More than 2,000 alumni in industry, government, and academia
- Small class size and strong interaction with full-time faculty who are experts in their respective fields
- Students get professional experience through internship and co-op programs
- Opportunity to work with faculty on cutting-edge research

For information about the BS in Computer Science and Cybersecurity program, please contact:

Xiang Fu, PhD
Associate Professor of Computer Science
Phone: 516-463-4787
Email: **Xiang.Fu@hofstra.edu**
Website: **cs.hofstra.edu**

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The Fred DeMatteis School of Engineering and Applied Science

Bachelor of Science in Computer Science and Cybersecurity

HOFSTRA UNIVERSITY

Fred DeMatteis School of Engineering and Applied Science

About the Program

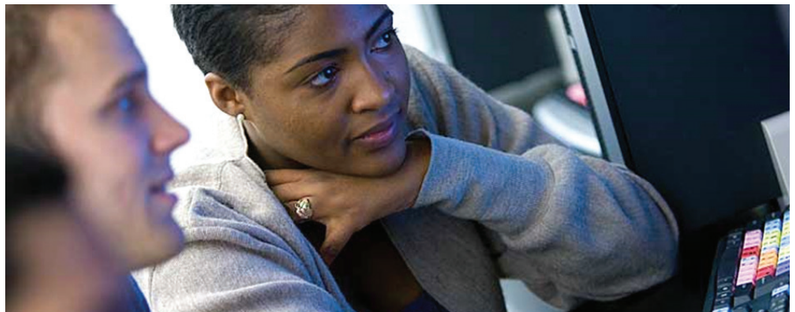
The BS in Computer Science and Cybersecurity degree offered at the Fred DeMatteis School of Engineering and Applied Science follows the curriculum mandated by the National Security Agency (NSA) and the Department of Homeland Security (DHS). The Department of Computer Science is working to obtain NSA certification by 2021.

Graduates of the Cybersecurity program are fully qualified for careers as information security officers, penetration testers, and network administrators, to name a few. At the same time, they will be prepared to serve as software developers in a variety of computing fields across multiple industries.

Students must complete all of the existing requirements for Hofstra's BS in Computer Science program, in addition to a wide variety of cybersecurity courses, such as system programming, network security, Linux system administration, and ethical hacking.

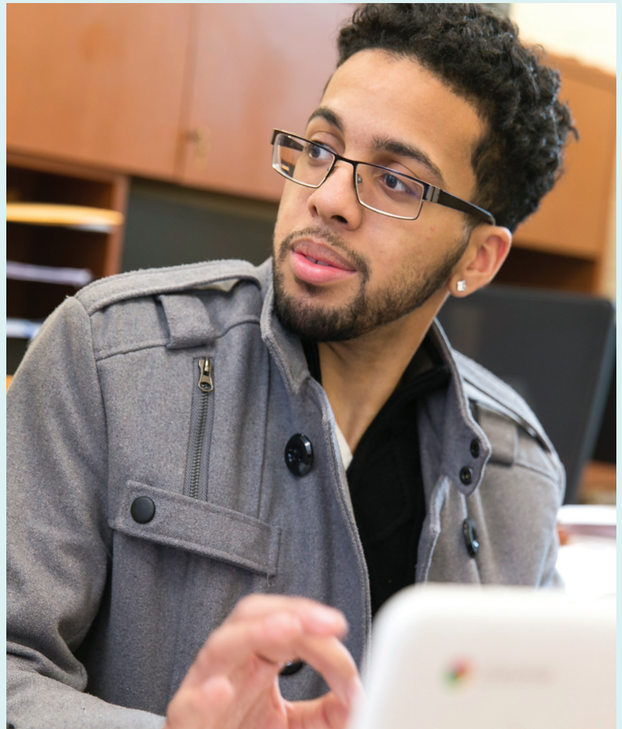
Hands-on experience with real-world projects and defense technologies ensure that our graduates will succeed in the technically challenging and rapidly changing field of cybersecurity.

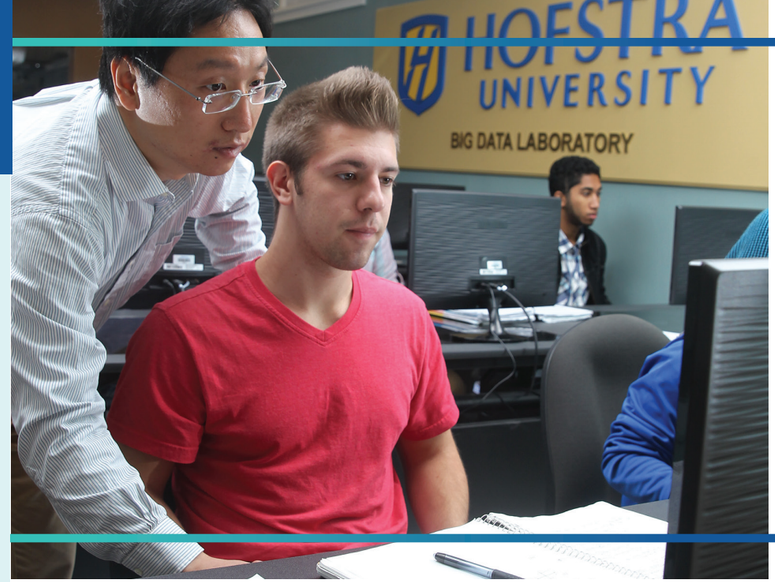
In their junior year, students are also eligible to participate in the DeMatteis School Co-op Program, which gives qualified computer science students the opportunity to work on salary for a period of six to eight months in a field related to their degree program. Internship opportunities are also available.



Program Requirements

- The computer science portion of the curriculum includes all of the computer science and natural science courses required in the BS in Computer Science program (68 credits)
- The cybersecurity portion of the curriculum includes hands-on experience with penetration testing and system defense
- Designed to follow curriculum requirements mandated by the National Security Agency (NSA) and the Department of Homeland Security (DHS)
- Program culminates with a two-semester senior design project in the field of cybersecurity
- Overall average of C or better in required courses
- Minimum of 124 semester hours required





Careers in cybersecurity include:

- Chief information security officer
- Forensics analyst
- Information security analyst
- Network administrator
- Penetration tester
- Malware analyst
- IT security engineer
- Incident response engineer

"Behind every new hack or data breach, there's a company scrambling to put out the fire. That's good news for job seekers with cyber security skills. Employers can't hire them fast enough … Every year in the U.S., 40,000 jobs for information security analysts go unfilled, and employers are struggling to fill 200,000 other cyber-security related roles."

Forbes
The Fast-Growing Job with a Huge Skills Gap: Cyber Security
March 16, 2017