

CYBERSECURITY IN COMPUTER SCIENCE

M.S.

School of Engineering
& Applied Science

THE GEORGE WASHINGTON UNIVERSITY

Cybersecurity Analysts assess, plan, and enact security measures to help protect an organization from security breaches and attacks on its computer networks and systems. This involves simulating attacks to identify vulnerabilities, testing new software to help protect the company's data, and helping users adhere to new regulations and processes to ensure the network stays safe. A cybersecurity analyst may work directly for an organization or as a consultant, working for several companies at any given time.

KEY SKILLS & SAMPLE JOBS

- Communicate with and advise management on cybersecurity issues and solutions
- Knowledgeable of latest threats and staying up-to-date industry trends
- Understand and evaluate security threats and perform a risk analysis of threats
- Work with a security team to develop and implement security policies

Sample Job Titles: Data Security Administrator, Information Security Officer, IT Security Analyst

COMPUTER SCIENCE DEPARTMENT

15 full-time faculty

\$3.7 million annual research expenditures

1 National Cyber Security Hall of Fame inductee for developing the first regularly offered university course on computer security

DEPARTMENT ENROLLMENT

187 undergraduate

445 graduate

RESEARCH AREAS

Algorithms and Theory

Artificial Intelligence and Robotics

Bioinformatics and Biomedical Computing

Computer Security and Information Assurance

Data Science

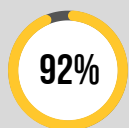
Digital Media

Networking and Mobile Computing

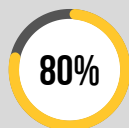
Pervasive Computing and Embedded Systems

Software Engineering and Systems

2018 CAREER OUTCOMES



92% of SEAS students were satisfied with the career programs and services



80% of cybersecurity graduates were employed within 6 months



44% of SEAS graduate students earn a salary of \$100,000 or more

EMPLOYERS

WHO HAVE HIRED GW STUDENTS

Booz Allen Hamilton

Deloitte

MITRE Corporation

Northrup Grumman

U.S. Coast Guard

U.S. Dept. of Homeland Security

U.S. Navy

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