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

**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

**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

**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

**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

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