The Cybersecurity Program was created to respond to the large and fast-growing need for technical cybersecurity experts nationally and internationally. Students in this program will acquire up-to-date knowledge and skills in cybersecurity, a field of ever-increasing importance to national security, the economy, and individual users. They will also acquire a firm grounding in requisite core knowledge of computer science, while also having the ability to take courses in related disciplines. Information Security Analysts plan and carry out security measures to protect an organization’s computer networks and systems. Their responsibilities are continually expanding as the number of cyberattacks increases and they need to research new security technology to decide what will most effectively protect their organization.

Skills Acquired
- Present information logically in written and verbal formats
- Train and collaborate with others
- Explain technical and theoretical concepts
- High-level programming and algorithm design
- Identify and assess risk
- Organize and manage complex data

Sample Occupations
- Cyber Security Analyst
- Security Risk Management Analyst
- Cyber Threat Analyst
- IT Specialist
- Information System Security Analyst
- Cyber Security Assessment Coordinator
- Cyber Intelligence Analyst

Sample Work Settings
- Security Analysis
- Security Engineering
- Security Architecture
- Security Administration
- Software Development
- Cryptography & Cryptanalysis
- Information Security
- Security Consulting
- Government and Defense
- E-Commerce, Finance, and Banking

Sample Employers
- McAfee
- Leidos
- Kaspersky
- Boeing
- Booz Allen Hamilton
- Intel
- Yahoo
- BAE Systems
- Thales
- General Mechanics
- Cisco
- Hewlett Packard
- Dell


PROFESSIONAL ORGANIZATIONS
Learn more about the field, network, and search for scholarship, internship, and job opportunities.
- International Association of Computer Science & IT www.iacsit.org
- Information Systems Security Association www.issa.org
- Inspiring a Safe and Secure Cyber World www.isc2.org
- The SANS Institute www.sans.org
- Center for Internet Security https://www.cisecurity.org

JOB SEARCH RESOURCES
Keywords: Network Analyst, Cyberintelligence
- Engineering Central www.engcen.com
- Engineering Jobs www.engineerjobs.com
- Engineering.com www.engineering.com/jobs
- iHireEngineering www.ihireengineering.com
- Computer Work http://computerwork.com
- Dice www.dice.com