CYBERSECURITY

ASSOCIATE OF SCIENCE — COMPUTER INFORMATION TECHNOLOGY DEGREE

CAREER PATHS

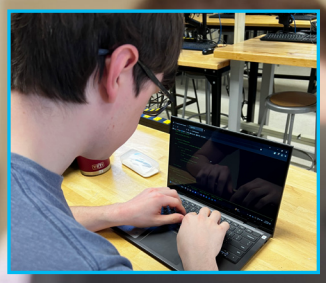
SECURITY ANALYST
IT SUPPORT SPECIALIST
PENETRATION TESTER
IT VULNERABILITY ASSESSOR

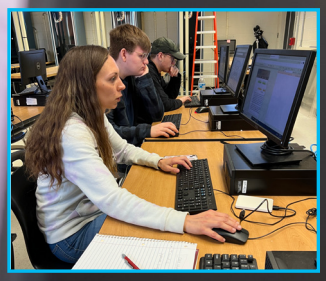
SALARY

$65,000*
MEDIAN ANNUAL INCOME

JOB GROWTH

29% 2024-2034**





SCAN FOR YOUR FUTURE

WEWORK

*Salary.com **2025 Bureau of Labor Statistics
Johnson College does not discriminate with regard to race, color, national origin, sex, or disability.

Johnson COLLEGE
COLLEGE OF TECHNOLOGY
SCRANTON

CYBERSECURITY

ASSOCIATE OF SCIENCE —
COMPUTER INFORMATION TECHNOLOGY DEGREE

PROGRAM OBJECTIVE

The Cybersecurity concentration of the Computer Information Technology program prepares students for entry-level positions in information security and network defense. Students learn to protect computer systems, networks, and data from cyber threats through hands-on training in security assessment, risk management, ethical hacking, and digital forensics. The program emphasizes identifying vulnerabilities, securing networked systems, responding to security incidents, and implementing best practices for protecting organizational information assets.

READY. SET. WORK.

Goal 1: Graduates will possess the technical skills necessary to secure and protect information systems and networked environments.

Goal 2: Graduates will demonstrate effective communication and collaboration skills necessary for cybersecurity operations and incident response.

Goal 3: Graduates will apply critical thinking and ethical reasoning to analyze, respond to, and prevent cybersecurity threats.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

CAREER OPPORTUNITIES

Typical employers include inventory management providers, auditing firms, penetration testing organizations, vulnerability assessment solutions, government agencies, financial institutions, healthcare organizations, educational institutions, retail chains, and businesses that rely on secure information systems. Students gain experience with current industry-standard security tools and practices, preparing them for entry-level positions such as cybersecurity technician, security analyst, network security specialist, or incident response technician.

Johnson COLLEGE OF TECHNOLOGY COLLEGE

Johnson.edu
570-702-8856
3427 N Main Ave, Scranton, PA 18508

Courses are subject to change. Please check johnson.edu for up-to-date course info.

PROGRAM COURSES

	CREDITS
TERM 1	
Computer Hardware and Operating Systems	2
Computer Hardware and Operating Systems Lab	2
Network Architectures, Principles, and Protocols	2
Network Architectures, Principles, and Protocols Lab	1
Programming for Enterprise	3
Introduction to Cybersecurity	3
Project Management	2
First Year Experience	1
TERM 2	
Linux Networking Service and Support	2
Linux Networking Service and Support Lab	1
Comp TIA Security+ Certification Study Course	1
Networking Fundamentals	3
Ethical Hacking & Penetration Testing	3
Database Principles and Applications	3
Web Programming, Client-Side Scripting	2
Web Programming, Client-Side Scripting Lab	1
TERM 3	
Cybersecurity Policy & Governance	3
Cryptography	1
Information Systems Security	2
Database Management Systems	3
Programming with Scripting Languages	3
Industry Communication	3
College Algebra I and Trigonometry	3
TERM 4	
Contingency Planning & Disaster Recovery	3
Intelligent Virtualized Systems	3
Public Speaking	3
E-commerce	3
Science Elective	3
Internship (50 hours)	1
Grad Ready	0
Minimum Credits to Graduate	**66**

This term layout is based off of a fall start. Students who start in the spring will be required to attend an additional term to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website **johnson.edu** to review our requirements.