CYBERSECURITY
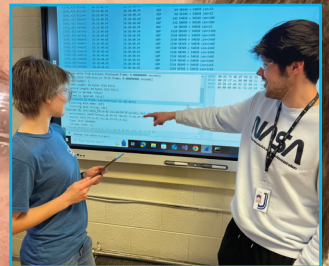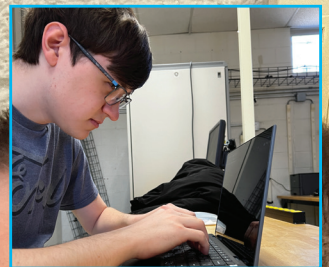## ANALYTICS & OPERATIONS (CERTIFICATE)

CAREER PATHS

INCIDENT HANDLERS

INFORMATION SECURITY ANALYSTS

INFORMATION TECHNOLOGY AUDITORS

DIGITAL FORENSIC EXAMINERS

SALARY

$69,948*
MEDIAN ANNUAL INCOME

JOB GROWTH

2023-2033: 33%**

SCAN FOR YOUR FUTURE

JJ WEWORK

COLLEGE OF TECHNOLOGY
JOHNSON
COLLEGE
SCRANTON

CYBERSECURITY
ANALYTICS & OPERATIONS (CERTIFICATE)

PROGRAM OBJECTIVE

The Cybersecurity Analytics and Operations certificate program will prepare students to enter the workforce ready to perform general operations and security functions on networks and other security architectures pertaining to information technology systems. Students will learn basic troubleshooting, maintenance, and application skills required to protect an organization's sensitive data and systems from cyber threats by identifying vulnerabilities, implementing security response measures, performing penetration testing, monitoring networks, responding to incidents and potential disaster recovery, and learning cybersecurity best practices.

READY. SET. WORK.

Goal 1: Graduates will possess the skills necessary to obtain entry-level cybersecurity positions.

Goal 2: Graduates will develop critical thinking and analysis skills to understand troubleshooting and diagnostics, security policies, and apply best practices.

Goal 3: Graduates will develop effective support service and communication skills.

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

Graduates work as network associates, incident handlers, information security analysts, information technology auditors, and digital forensic examiners.

PROGRAM COURSES

	CREDITS
TERM 1	
Introduction to Cybersecurity	3
Networking Fundamentals	3
Ethical Hacking and Penetration Testing	3
Cybersecurity Policies and Governance	3
First-Year Experience	1
Web Programming, Client Side Scripting	2
Web Programming, Client Side Scripting Lab	1
TERM 2	
Cryptography and Data Security	3
Incident Response and Digital Forensics	3
Industry Communication	3
Cloud Security or Information System Security Design and Administration and Lab	3
College Algebra I and Trigonometry	3
Project Management	2
MINIMUM CREDITS TO GRADUATE	**33**

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.

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