

I.T. CAREER PATHWAYS

A progressive plan for upward movement through education and skill building within high wage, high demand career fields.



MINNESOTA STATE
IT Center of Excellence

www.mnstateitcoe.org

CYBER SECURITY

CAREER MOVEMENT:

INFORMATION SECURITY ENGINEER

Qualifications:
Certifications +
Associate's Degree



Expertise:

- Security Control
- Breach Investigation
- Vulnerability Assessments
- Emergency Documentation
- End User Support

Average Salary:
\$65,244

PEN TESTER

Qualifications:
Bachelor's Degree +
2+ Years Experience



Expertise:

- Internal Penetration Testing
- Social Engineering Testing
- Remediation Consulting
- Perimeter & Security Device Testing
- Peer Training

Average Salary:
\$102,709

CHIEF INFORMATION SECURITY OFFICER

Qualifications:
Bachelor's Degree +
Certifications
Master's Degree Preferred



Expertise:

- Strategy, Operation, & Budget Planning
- Network Activity Configuration & Management
- Security Trend Research
- Security Enhancements

Average Salary:
\$122,751