



POLK STATE
Corporate College

Polk State College Apprenticeship Partnership in Information Technology (MAP IT)

System Security Certified Practitioner

Eight-week course, Online, self-paced independent study

Total Course Cost: \$336

Cost Breakdown: Credit Cost: \$336

Cost covered by the Grant: Books \$149, Lab Fees \$60, and one-time exam fee \$249

This course provides an overview of internationally accepted guidelines and protocols related to seven security domains: access controls; security operations and administration; risk identification, monitoring, and analysis; incident response and recovery; cryptography; network and communications security; and systems and application security.

OJT Competencies: This training develops the student's ability to:

Foundation of security

- Assess the mechanisms by which computers and networks work together securely.
- Identify corporate security policies and the role they play in risk management.
- Explain password security risks and how to strengthen password policies.
- Apply cryptographic principles and determine how weak ciphers and algorithms create risk.
- Assess common network and device attacks and how to mitigate them.
- Deploy a secured wireless network.
- Configure firewalls to prevent common attacks while maintaining proper usability of devices and applications.

Securing technologies

- Establish a consistent patch cycle for updates.
- Deploy secured virtual machines, network file shares, cloud resources, and application services.
- Implement a vulnerability scanning program to proactively discover vulnerable technologies.

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999 Avenue H., NE | Winter Haven, FL 33881

Phone: 863.297.1010 ext. 4664 | Fax: 863.669.2330

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