Computer Information Systems

PINKERTON ACADEMY CTE — CAREER & TECHNICAL EDUCATION · 1814
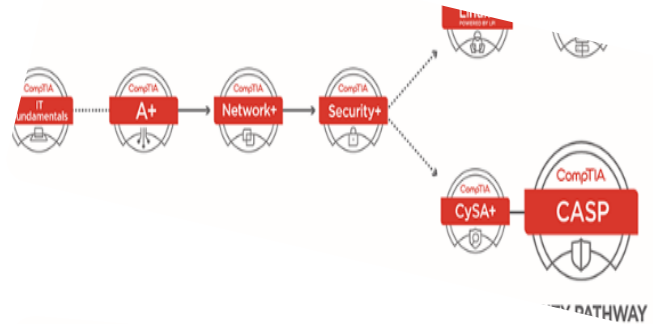
CyberDefense Pro

CompTIA SySA+

TestOut® PRO CERTIFICATIONS

CompTIA CySA+

Course Overview

CyberDefense meets the ISO 17024 standard, which is approved by U.S. Department of Defense to fulfill Directive 8570.01-M requirements. It is compliant with government regulations under the Federal Information Security Management Act (FISMA).

Learning Objectives

- Leverage intelligence and threat detection techniques
- Analyze and interpret data
- Identify and address vulnerabilities
- Suggest preventative measures
- Effectively respond to and recover from incidents
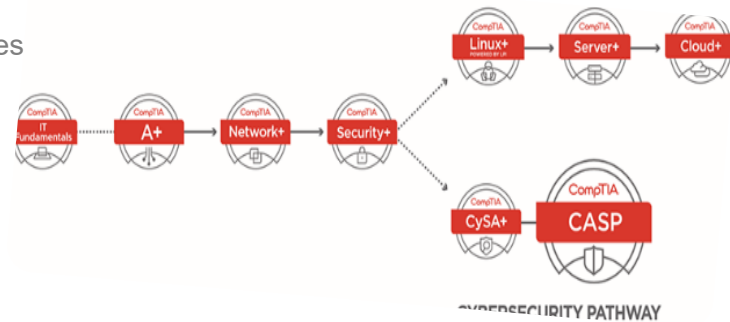
Student Experience

- As attackers have learned to evade traditional signature-based solutions, such as firewalls and anti-virus software, an analytics-based approach within the IT security industry is increasingly important for organizations.
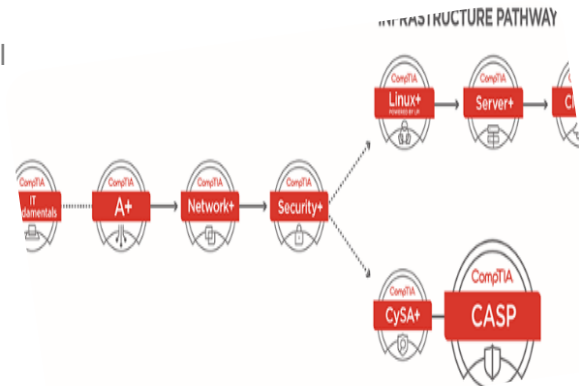
Course Details

- 15 Units
- 111 Lab Simulations
- 10 Hands-on labs
- 1 Capstone Activities
- Other course materials and projects
- CyberDefense Pro Certification Exam
- Earn three (3) college credits
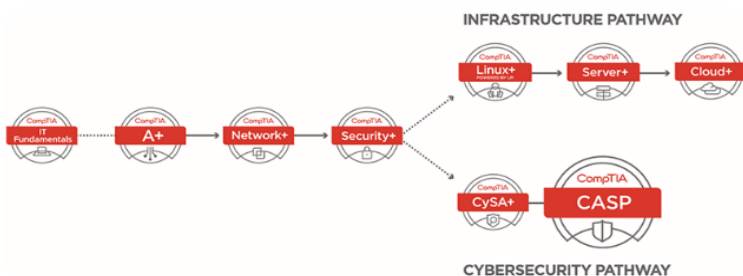
Teacher: **Michael Eno, M.Ed**.
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TestOut Pro Certified

HARDWARE AND NETWORKING

PC Technician ($38,600)

Network Administrator ($64,332)

IT Support Tech ($54,919)

INFORMATION SYSTEMS

Systems Administrator ($64,892)

Systems Engineer ($77,768)

Linux Administrator ($63,043)

Students will complete 111 virtual lab simulations, 15 unit exams, 1 capstones and 1 certification exam aligned to the CompTIA SySA learning objectives. Other course materials, hands-on labs, and projects will be used in addition to TestOut courseware. Total time **120** hours.

TestOut CyberDefense Pro Exam Learning Objectives

Upon completion of this course, students will be able to:

- Analyze a USB Keylogger Attack
- Identify Social Engineering
- Examine a Forensic Drive Image
- Analyze a Cloud Infrastructure (ScoutSuite)
- Implement Intrusion Prevention (pfSense)
- Evaluate Network Security (Kibana)