

# Cyber Security Professional Pathway

## Core Courses

CompTIA Security+ | 72 hours

Certified Ethical Hacker (CEH) | 72 hours

Splunk Core Certified Power User | 72 hours

UiPath Certified RPA Associate (UiRPA) | 72 hours

CompTIA Linux+ | 72 hours

AI in the Data Center | 72 hours

Amazon Web Services (AWS) Certified Solutions Architect - Associate | 72 hours

Cisco Certified Network Associate (CCNA) | 72 hours

CompTIA CySA+ | 72 hours

CompTIA CASP+ | 72 hours

**Total CSP Pathway  
Clock Hours | 720 hours**

## Contact Us

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## Program Prerequisites

High School Diploma and basic computer knowledge



## Program Goal

A Cyber Security Professional (CSP) from Intellectual Point places students on the cutting edge of a field in ever-increasing demand from the worlds of business government and technology. The Cyber Security Professional (CSP) Career Pathway is a hands-on technical, 720 clock-hour program with a cohesive and progressive set of learning outcomes. This program provides the right mix of foundation and intermediate level courses that prepares students to apply for a variety of cyber security positions that support planning, implementing, upgrading, and monitoring security measures for the protection of computer networks, information systems and cloud infrastructure.

Students, through in-depth theory and extensive hands-on activities, will develop skills to ensure appropriate security controls are in place that will safeguard digital files and vital electronic infrastructure, and will develop skills to respond to computer security breaches and viruses, and successfully conduct penetration testing. This program also enables students to become skilled in networking, cloud computing and Artificial Intelligence concepts, and teaches highly sought-after skills in popular technologies, such as Splunk and AWS. Students gain a very strong foundation in cyber security and become immersed in a curriculum designed to teach the technical skills needed in this ever-changing field.

Students also get hands-on experience in Intellectual Point's virtual lab, the Rapid Simulation Center, where they take on real-world cyber security challenges. Throughout the pathway, students will develop strategic and tactical knowledge that can be instantly leveraged in various Cyber Security career roles. In addition, students will have the option to pursue industry-recognized certifications and micro-credentials in cybersecurity, networking and cloud computing.

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## Professional Objectives

The objective of this program is to empower students to become Cyber Security Professionals using well-rounded skills in Cyber Security, Networking and Cloud Computing with the mindset of a security professional. Over the course of the program, the students will develop the following skills:

- Identify network risks, threats, and vulnerabilities
- Secure computer networks and build on defense fundamentals
- Develop cybersecurity programs, policies, and procedures for implementation.
- Evaluate and recommend cyber security systems and solutions for network defense and monitoring.
- Assess the cyber security posture of systems
- Learn how to effectively secure Cloud Computing deployments
- Discuss relevant laws, regulations, and frameworks as they apply to cyber security operations.
- Prioritize and classify cyber security risks in the Security Operations Center(SOC).
- Learn how to effectively use Incident Response and Threat Monitoring tools such as Splunk.



## Possible Career Tracks

- Cyber Security Analyst
- Incident Responder
- Penetration Tester
- Red Team / Blue Team Analyst
- SOC Analyst
- Cloud Security Architect
- Cyber Security Risk Manager
- Security Administrator
- Information Security Manager



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