

Security Leadership-Strategy, Policy, & Planning (SEC514)

COURSE OVERVIEW

Emerging and veteran Cybersecurity leaders are responsible for forging a digital shield to protect their organization from growing and ever changing threats. By crafting and enforcing policy outlining acceptable and unacceptable behaviors, these professionals empower all employees to do better. This course will teach current and future leaders how to successfully build and implement sensible network and workplace policies via the implementation of strategic plans that align with organizational goals and values. Completion of the course includes leadership modules outlining methods for successfully managing teams, dealing with time constraints, budgeting, assessing threats appropriately, communicating with organizational leadership, and more. Daily, students will engage with real-world case studies over-viewing the successes and failures various business and organizations. By examining various past and current institutions using a variety of business analysis techniques, leaders gain more clarity on how to set achievable goals given limited resources.

WHO WILL BENEFIT FROM THIS COURSE?

- Cybersecurity professionals
- Business leaders seeking cybersecurity insights
- Developers expanding knowledge of threats and trends
- Managers building secure programs and policies

PREREQUISITES

- Working knowledge of Kubernetes and/or CKA
- Basic Linux skills are helpful
- Familiarity with a text editor like vi, vim, or nano is helpful

COURSE OBJECTIVES

- Equip cybersecurity leaders to assess the threat landscape
- Teach management techniques to boost team cohesion and productivity
- Develop and implement strategic plans for greater success
- Set achievable goals for yourself and your teams
- Building and implementing network policy that aligns with overall company culture, values, and mission
- Determining appropriate resource allocation
- Connecting with organizational leadership (C-level / C-suite)

COURSE OUTLINE

Day 01- Foundations of Strategic and CyberSecurity Planning



- What Business Are You In
 - Lecture: Vision vs Mission
 - Lecture +Lab: Create A Mission
 - Lecture: Identifying Stakeholders
 - Lecture: Understanding History
 - Lecture: Assets
 - Lecture: Business and Security Goals
- Strategic Planning
 - Lecture: Levels of Planning
 - Lecture: PESTLE Analysis
 - Lecture +Lab: Planing- Archive Solutions
 - Lecture: Communicate to the Team
 - Lecture +Lab: Persuading the Team
- Understanding Threats
 - Lecture: CyberSecurity History
 - Lecture: Threat Actors
 - Lecture +Lab: Identifying Threat Actors
 - Lecture +Lab: Create a VERIS Report
 - Lecture: PEST Analysis
 - Lecture: MITRE ATT&CKFramework
 - Lecture: Intrusion Kill Chain
 - Lecture +Lab: Analyze the Intrusion Kill Chain
 - Lecture: Threat and Risk Surface Analysis
- CyberSecurity Plan
 - Lecture +Lab: FCCSmall Biz Cyber Planner
 - Lecture +Lab: CISACyber Essentials Starter Kit
 - Lecture +Lab: CISASecurity Planning Workbook

Day 02- Crafting Robust Security Frameworks

- Tuesday Test and Review

Day 03- Crafting and Implementing Security Policy

- Wednesday Test and Review

Day 04- Building and Leading Resilient Security Teams

- Thursday Test and Review

Day 05- Advanced Applications and Real-World Integration

- Friday Test and Review

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