

# CY3 Curriculum Hours for a 130 Contact Hour Year



# Cyber Year 3 Course Description and Scope and Sequence

## 130 Core Class Hours

In year three, the course starts with JROTC Leadership Training. Next, Cadets build upon their understanding of data governance, secure enterprise network architecture, vulnerability management, security controls and deepen their understanding of risk management, cryptography, and system hardening. Additionally, they explore endpoint security, application security, cloud network architecture, and incident response. The course ends with a service learning project that focuses on leadership skills and post-secondary planning. When the course concludes, the Cadets should be comfortable with topics associated with CompTIA's Security+ certification exam.

JROTC Leadership Curriculum	In Class (Contact Hours)
CY3U1: JROTC Leadership Education and Training (LET)	30
CY3U12: JROTC Leadership Education and Training (LET) – Service Learning Project	18

Cyber Curriculum At-a-Glance	In Class (Contact Hours)
CY3U2: Governance, Risk, and Compliance	6
CY3U3: Physical Controls	3
CY3U4: Threats, Threat actors, Attributes, and Strategies	9
CY3U5: Cryptography and PKI (Advanced)	10
CY3U6: Account Management Controls	7
CY3U7: System Architecture	12
CY3U8: Virtualization and Cloud Computing	7
CY3U9: Secure Wireless and Mobile	9
CY3U10: Risk Management	10
CY3U11: Cyber Resiliency and Recovery	9



# NICE Competencies

Unit	Description	NICE Competency(ies)
Unit 1	JROTC Leadership Education and Training	
Unit 2	Governance, Risk, and Compliance	
Unit 3	Physical Controls	Access Controls, Cyber Resiliency
Unit 4	Threats, Threat Actors, Attributes, and Strategies	Cryptography, Cyber Resiliency
Unit 5	Cryptography and PKI (Advanced)	Cryptography
Unit 6	Account Management Controls	Access Controls
Unit 7	System Architecture	Communications Security, Cyber Resiliency
Unit 8	Virtualization and Cloud Computing	Cloud Security
Unit 9	Secure Wireless and Mobile	Communications Security
Unit 10	Risk Management	Cyber Resiliency
Unit 11	Cyber Resiliency and Recovery	Asset Management, Cyber Resiliency
Unit 12	JROTC Leader Education Training and Service Learning Project	

