

CY1 Curriculum Hours for a 130 Contact Hour Year



Cyber Year 1 Course Description and Scope and Sequence

130 Core Class Hours

The course begins with fundamental JROTC Leadership Training. Cyber year one focuses on the foundational skills needed to begin a pathway into cybersecurity, starting with an introduction to ethics and cybersecurity, moving on to global connectivity, and then transitioning to understanding hardware, operating systems, networks, and operating procedures. Once students gain an understanding of these topics, they next learn how these are secured. The course ends with a service learning oriented capstone project that encourages problem solving and team building. This course covers topics associated with CompTIA A+ certification.

JROTC Leadership Curriculum	In Class (Contact Hours)
CY1U1: Leadership Education and Training (LET) – The Emerging Leader	43
CY1U2: Cybersecurity Ethics and Careers (Blended)	5
CY1U13: Leadership Education and Training (LET) (Blended) – Service Learning	10

Cyber Curriculum At-a-Glance	In Class (Contact Hours)
CY1U3: Introduction to Cybersecurity	5
CY1U4: Global Connectivity	5
CY1U5: Hardware	11
CY1U6: Introduction to Operating Systems	7
CY1U7: Windows Operating System and Virtualization	6
CY1U8: Linux Operating Systems	5
CY1U9: OS Security	4
CY1U10: Introduction to Networking	9
CY1U11: Network Security	6
CY1U12: Security	14



NICE Competencies

Unit	Description	NICE Competency(ies)
Unit 1	JROTC Leadership Education and Training	
Unit 2	Cybersecurity Ethics and Careers	
Unit 3	Introduction to Cybersecurity	Cyber Resiliency
Unit 4	Global Connectivity	Communications Security
Unit 5	Hardware	Cyber Resiliency
Unit 6	Introduction to Operating Systems	Operating Systems (OS) Security
Unit 7	Windows Operating System and Virtualization	Operating Systems (OS) Security
Unit 8	Linux Operating Systems	Operating Systems (OS) Security
Unit 9	OS Security	Operating Systems (OS) Security
Unit 10	Introduction to Networking	Communications Security
Unit 11	Network Security	Communications Security
Unit 12	Security	Cryptography
Unit 13	JROTC Leader Education and Training Service Learning Project	

