Cyberspace Operations — One■Page Cheat Sheet

Start → Defense → Offense. Quick links & examples for new military cyber students. Public/unclassified resources only.

FUNDAMENTALS

NIST SP 800-12
Intro to Info Sec — https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-12r1.pdf
DoD Cyber Workforce (DCWF)
Role KSAs — https://dodcio.defense.gov/Cyber-Workforce/DCWF/
Intro Course
Cybrary Intro to IT & Cybersecurity — https://www.cybrary.it/course/introduction-to-it-and-cybersecurity
Video
YouTube Intro Lesson — https://www.youtube.com/watch?v=QxFbPmCTEYM

Key Books (quick)
Hacking: The Art of Exploitation; Practical Malware Analysis; @War (Shane Harris)

DEFENSIVE (DCO)

Policy & Doctrine
DoD Cyber Exchange — https://public.cyber.mil/policies-guidance/
Forensics / Labs
DC3 — https://www.dc3.mil/
Tools / Labs
Security Onion (IDS) — https://securityonion.net/; Wireshark — https://www.wireshark.org/
CTF / Practice
OWASP Juice Shop — https://owasp.org/www-project-juice-shop/; HackTheBox — https://www.hackthebox.com/
Training
CISA Training — https://www.cisa.gov/cybersecurity-training-exercises; SANS — https://www.sans.org/
Incident Studies
SolarWinds, Colonial Pipeline, Log4Shell — search vendor reports (Mandiant/CrowdStrike/Krebs)

OFFENSIVE (OCO)

Strategic Context
USCYBERCOM — https://www.cybercom.mil/
Framework
MITRE ATT&CK; — https://attack.mitre.org/
Tools (authorized labs)
Metasploit — https://www.metasploit.com/; Burp Suite — https://portswigger.net/burp
Red Team Practice
HackTheBox Pro Labs; Offensive Security (OSCP) — https://www.offensive-security.com/
Case Studies
Stuxnet, NotPetya, GRU campaigns — read technical analyses by Symantec/Mandiant

Legal/Ethics
OCO often classified — follow ROE, legal guidance, and command authorizations

CERTIFICATIONS Security+ (CompTIA) — https://www.comptia.org/certifications/security
CEH — https://www.eccouncil.org/programs/certified-ethical-hacker-ceh/; CISSP — https://www.isc2.org/Certifications/CISSP
THREATS & INTEL Krebs on Security — https://krebsonsecurity.com/; CrowdStrike Blog — https://www.crowdstrike.com/blog/; CISA Alerts — https://www.cisa.gov/news-events
CTF Calendar CTFtime — https://ctftime.org/; arXiv security papers — https://arxiv.org/list/cs.CR/recent

Prepared for military students of cyberspace operations. Public/unclassified resources only. Keep learning, practice in authorized environments.