

# Teacher Resource

## Cybersecurity Systems Technology (8628)

## Cybersecurity Systems Technology, Advanced (8629)

## Cybersecurity Network Systems (8630)

### Cybersecurity Network Systems: Glossary of Acronyms

AAA	Authentication, authorization, and accounting
AES	Advanced Encryption Standard
AFP	AppleTalk Filing Protocol
AGP	Accelerated graphics port
ALE	Annualized Rate of Occurrence
AMD	Advanced Micro Devices
AME	Advanced Micro Devices
ANT	Advanced and Adaptive Network Technology
APC	Angle polished connector
APT	Advanced Persistent Threat
ARP	Address Resolution Protocol
ACL	Access Control List
ACM	Association for Computing Machinery
AES	Advanced Encryption Standard
AH	Authentication Header
AP	Rogues Access Point
ASR	Automatic server recovery
BIOS	Basic input-output system
BNC	

BPA	Business partners agreement
BUS	Broadcast and unknown server
BYOD	Bring your own device
CA	Certificate Authority
CAD	Computer-aided design
CAM	Computer-aided manufacturing
CCMP	Cipher Block Chaining-Mac Protocol
CD	Compact disc
CER	Certificate
CHAP	Challenge Handshake Authentication Protocol
CHKDSK	Check disk
CIDR	Classless inter-domain routing
CIFS	Common Internet File System
CISA	Cybersecurity Information Sharing Act of 2015
CMOS	Complementary metal-oxide-semiconductor
COPE	Corporate owned, personally enabled
CPU	Central processing unit
CRC	Certified Risk Adjustment Coder
CRL	Certificate Revocation List
CSR	Certificate Signing Request
CYOD	Choose your own device
DHCP	Dynamic Host Configuration Protocol
DLP	Data loss prevention
DMA	Direct memory access
DNAT	Dynamic Network Address Translation
DNS	Domain Name Service
DoS	Denial of Service
DDoS	Distributed Denial of Service

DRM	Digital rights management
DMZ	Demilitarized zone
DSL	Digital Subscriber Line
DVI	Digital Visual Interface
EHR	Electronic health record
EMR	Electronic medical record
ESD	Electrostatic discharge
EULA	End-user license agreement
DNSSEC	DNS Security Extensions
EAP	Extensible Authentication Protocol
EMI	Electromagnetic Interface
EMP	Electromagnetic pulse
ESP	Encapsulated Security Payload
FAT	File allocation table
FC	Fibre Channel
FDE	Full disk encryption
FERPA	Family Educational Rights and Privacy Act
FRU	Field-replaceable units
FSB	Front-side bus
FTPS	File Transfer Protocol with SSL
GPS	Global Positioning System
GUI	Graphical user interface
HCPCS	Healthcare Common Procedure Coding System
HD	High density
HDMI	High-Definition Multimedia Interface
HIDS	Host-based intrusion detection system
HIPAA	Health Insurance Portability and Accountability Act
HIPS	Host-based intrusion prevention system

HPFS	High performance file system
HSM	Hardware security module
HTTPS	Hypertext Transfer Protocol over SSL/TLS
HVAC	Heating, ventilation, and air-conditioning
IEEE	Institute of Electrical and Electronics Engineers
IaaS	Infrastructure as a service
IMAP	Internet Message Access Protocol
IP	Internet Protocol
IPS	In-plane switching
IPSec	Internet Protocol Security
I/O	Input / output
IoT	Internet of Things
IR	Infrared
IRQ	Interrupt Request
ISA	Interconnection security agreement
ISP	Internet service provider
ISSA	Information Systems Security Association
IV	Initializing Vector
LAN	Local area network
LC	Local connector
LCD	Liquid crystal display
LDAP	Lightweight Directory Access Protocol
LED	Light emitting diode
LGA	Land grid array
MAC	Message Authentication Code
MAN	Metropolitan area network
MBD	Motherboard
MESH	Multimedia Embedded Security Hub

MFD	Multi-function device
MOA	Memorandum of agreement
MOU	Memorandum of understanding
MSCHAP	Microsoft Challenge Handshake Authentication Protocol
MTBF	Mean Time Between Failures
MT-RJ	Mechanical Transfer Registered Jack
MTTR	Mean Time to Recover
NAC	Network Access Control
NAT	Network Address Translation
NDA	Non-disclosure agreement
NFC	Near Field Communication
NIC	Network interface controller
NIDS	Network-based intrusion detection system
NIPS	Network-based intrusion prevention system
NTFS	New technology file system
NTLM	New Technology Local Area Network (LAN) Manager
NVRAM	Non-volatile random-access memory
OAUTH	Open Authorization
OCSP	Online Certificate Status Protocol
OID	Object identifiers
OLED	Organic light-emitting diode
OS	Operating system
OSHA	Occupational Safety and Health Administration
OSI	Open System Interconnection
OTA	Over-the-air
PaaS	Platform as a service
PAN	Personal area network
PAP	Password Authentication Protocol

PCI	Peripheral component interconnect
PCIe	Peripheral component interconnect express
PEAP	Protected Extensible Authentication Protocol
PEM	Privacy-enhanced Electronic Mail
PFX	Perfect Forward Secrecy
PGA	Pin grid array
PHI	Personal health information
PII	Personally identifiable information
PKI	Public Key Infrastructure
POP	Post Office Protocol
POST	Power-on self-test
PPE	Personal protective equipment
PPO	Preferred provider organization
PSK	Pre-shared Key
PVC	Permanent virtual circuit
PXE	Preboot eXecution Environment
QoS	Quality of Service
RADIUS	Remote Authentication Dial-in User Server
RAID	Redundant array of inexpensive disks
RAM	Random-access memory
RAT	Remote Access Trojan
RCA	Radio Corporation of America
RDP	Remote Desktop Protocol
RF	Radio frequency
RFID	Radio Frequency Identifier
RING	Routing in next generation
ROM	Read-only memory
RPO	Recovery Point Objective

RTO	Recovery Time Objective
SaaS	Software as a service
SAML	Security Assertions Markup Language
SAN	Subject Alternative Name
SAS	Statistical Analysis System
SATA	Serial Advanced Technology Attachment
SATCOM	Satellite communications
SC	Standard connector
SCDA	Supervisory Control and Data Acquisition
SCSI	Small Computer System Interface
SDN	Software Defined Network
SED	Self-encrypting drive
SFTP	Secured File Transfer Protocol
SIEM	Security information and event management
SLA	Service-level agreement
SLE	Single Loss Expectancy
SLI	Scalable Link Interface
SLP	Service Location Protocol
SMB	Server Message Block
S/MIME	Secure/Multipurpose Internet Mail Extensions
SNMPv3	Simple Network Management Protocol, version 3
SODIMM	Small-outline dual inline memory modules
SOHO	Small office / home office
SRTP	Secure Real-Time Transport Protocol
SSH	Secure Shell
SSID	Service Set Identifier
SSL	Secure Sockets Layer
ST	Straight tip

STAR	Situation, task, action, result
STP	Spanning Tree Protocol
TACACS+	Terminal Access Controller Access Control System Plus
TKIP	Temporary Key Integrity Protocol
TLS	Transport Layer Security
TN	Twisted nematic
TPM	Trusted Platform Module
UAV	Unmanned aerial vehicle
UEFI	Unified Extensible Firmware Interface
USB	Universal Serial Bus
UDP	User Datagram Protocol
UHD	Ultra-high definition
UPC	Ultra-physical connector
UPnP	Universal Plug and Play
UTM	Unified Threat Management
UTP	Unshielded twisted pair
VDI	Virtual desktop infrastructure
VGA	Video Graphics Array
VLAN	Virtual Local Area Network
VM	Virtual machine
VPN	Virtual Private Network
WAN	Wide area network
WiFi	Wireless Fidelity
WORM	Write once, read many
WPA	WiFi Protected Access
WPS	WiFi Protected Setup

*Updated December 2022, CTE Resource Center, Henrico, Virginia*