

# Vocabulary List

*Items with a slash, such as “system high/low,” are two (or more) separate items. That is, an answer might be “system high” or “system low.” It won’t necessarily be “system high/low.”*

\*-Property

Bell-LaPadula Model (BLP)

Biba model/Strict Integrity Policy

Biba’s Low Water Mark Policy

Biba’s Ring Policy

Caesar Cipher

Chinese Wall Policy

Clark-Wilson policy

Lipner’s Integrity Matrix Model

Moonlight Maze

Principle of Easiest Penetration

Principle of Least Privilege

Shared Resource Matrix Methodology

Stuxnet

Titan Rain

Vernam Cipher

Vigenère cipher

Vigenère tableau

access control list (ACL)

access control matrix (ACM)

access control policy

active/passive defense

annualized loss expectancy

asymmetric cipher/public key algorithm

attack

attribution problem

authentication

availability

block cipher

breakable

capability-based system

channel

confidentiality

confusion

covert channel

critical infrastructure

cyber warfare

cryptanalysis

cryptography

cryptosystem

cryptography

diffusion

discretionary access controls (DAC)

dominates relation

downgrading

encoding

encryption/decryption

entropy

existence of channel

fabrication

hierarchical levels

information flow policies

insider attack

integrity

integrity levels

integrity policies

interception

interruption

key length

keyed cipher/keyless cipher

keyspace

kinetic warfare

label creep

lattice-based security

mandatory access controls (MAC)

metapolicy

modification

monoalphabetic cipher

multi-level security (MLS)

need-to-know categories

noisy/noiseless

non-interference

non-repudiation

objects

one-time pad

partial/total order

perfect cipher

plaintext/ciphertext

polyalphabetic substitution

prefix-free encoding

private/public key

read/write/execute/create/destroy permissions

risk acceptance/avoidance/mitigation/transfer

role-based access control (RBAC)

security

security labels/levels

security policy  
sender/receiver  
separation of duty  
separation of function  
simple integrity property  
simple security property  
simple substitution cipher  
storage channels  
strong cryptosystem  
strong/weak tranquility property  
subjects  
substitution  
substitution cipher  
symmetric cipher/secret key algorithm  
system attribute  
system high/low  
timing channels  
transposition  
trusted subject  
uniquely decodable  
vulnerability  
water mark policy