*Computer programming, programs, data, security

Class here software compatibility, portability, reliability, reusability

Class computer programming, programs, data for special computer methods in 006; class comprehensive works on hardware and programs in electronic data processing in 004

See Manual at 004 vs. 005

*Computer security

Including penetration testing

Class here computer network security, software security, data security

For management of computer security, see 658.478

*Countermeasures to threats

Including digital rights management, electronic signatures

Class digital signatures (electronic signatures involving cryptography) in 005.824

For access control, see 005.83; for biometric identification, see 006.842

*Data encryption

Including digital signatures (electronic signatures involving cryptography), public key cryptography

Class here ciphers

Class comprehensive works on electronic signatures in 005.82; class interdisciplinary works on cryptography in 652.8

*Access control

Including authentication, firewalls, intrusion detection, intrusion prevention

*Threats

Including denial of service attacks

Class intrusion detection, intrusion prevention in 005.83

For malware, see 005.88; for social engineering attacks, see 364.163; for computer crimes, see 364.168

*Malware

Including computer viruses, rootkits, spyware, Trojan horses, worms

*Use notation 019 from Table 1 as modified at 004.019