

COMPUTER & OFFICE STUDIES, SECURITY (COSS)

COSS 71 3 units

Network Security Fundamentals

54 hours lecture

Corequisite: COSN 10.

Grading: letter grade or pass/no pass.

Materials Fee: \$10

Formerly CBIS 271 and COSS 271. This course provides a comprehensive overview of network security including security goals, security systems, access controls, networks and security, integrity, cryptography fundamentals, authentication. This course also prepares students to take the CompTIA Security + Certification Exam.

Transferable to CSU Only

COSS 270 1 units

Information Security Fundamentals

18 hours lecture

Grading: letter grade or pass/no pass.

Formerly CBIS 270. In this course, you will learn how to protect yourself from identity theft and personal computer attacks. This course is for anyone with basic computer skills. Learn how to protect yourself from hackers, phishers, and anyone else who is trying to "snoop" into your personal information.

COSS 272 (C-ID ITIS 165) 3 units

Computer Forensics and Investigation

54 hours lecture

Recommended Preparation: COSN 5.

Grading: letter grade or pass/no pass.

This course offers an introduction into computer forensics, investigating computer crimes and data recovery. Topics covered in this course include a process for investigating cyber crime and procedures for collecting, analyzing, recovering and preserving forensic evidence.

COSS 273 (C-ID ITIS 164) 4 units

Ethical Hacking and Countermeasures

72 hours lecture

Recommended Preparation: COSS 71.

Grading: letter grade or pass/no pass.

This course will prepare students to perform network hacking and implement appropriate countermeasures. Students will also explore the ethical questions surrounding network and system penetration. This course covers topics such as using network penetration tools, techniques for identifying system vulnerabilities and exploiting those vulnerabilities to compromise systems and data.

COSS 280 3 units

Cybersecurity Competition Fundamentals

54 hours lecture

Recommended Preparation: COSA 50.

Grading: letter grade or pass/no pass.

This course prepares students to mentor and participate in various cybersecurity competitions including but not limited to CyberPatriot. Topics include cybersecurity basics, operating system installation and hardening, Windows and Linux administration, and networking fundamentals.

COSS 680 0 units

Cybersecurity Competition Fundamentals

54 hours lecture

Recommended Preparation: COSA 50.

Grading: non graded.

This course prepares students to mentor and participate in various cybersecurity competitions including but not limited to CyberPatriot. Topics include cybersecurity basics, operating system installation and hardening, Windows and Linux administration, and networking fundamentals.