

Troy High School Course Profile

Course Title: Networking Security Essentials Honors

Course Prerequisites: Refer To Registration Presentation

Course Description:

Cyber Security Fundamentals Honors is designed to give students an understanding of the basic concepts behind computer security, evidential process, and handling electronic evidence, including securing and analyzing a computer system, securing and analyzing a network system, working with law enforcement, and information warfare.

This class will also give students a survey of Network/Internet security, helping them prepare for the **CompTIA Security+ Exam**. Topics will cover Authentication, Malicious Code, Web Security, Intrusion Detection, Cryptography, and Biometrics. The class will have lecture and hands-on components.

Students entering this course do require any prior mastery of any computer concepts or skills.

Workload expectations for this course:

Students should expect to get a hands-on experience with computer hardware and software. You will be expected to do in-class online research, work together with other students in teams, take detailed notes, and be able to demonstrate mastery by DOING along with taking written tests.