

# AT 6655/AT 6660 DE : Network Administration & Cyber Defense I

**Virginia Beach City Public Schools ensures equal access to all CTE courses. Accessibility accommodations will be provided as needed.**

Cyber threats and hackers present some of the biggest threats to our national security, businesses and organizations. Our society depends on computers and the Internet to function, and as such, the risk of cybercrimes increases as well. In this program, students will take a comprehensive approach to the needs of protecting our computer systems. Students will learn how to configure, manage and secure networks along with protecting servers, desktops and mobile devices. Ethical hacking labs will allow students to learn how to defend against threats and conduct penetration testing measures on networks. During this two-year program students will work with Windows and Linux operating systems, have opportunities for dual enrolled college credit, and to become certified in nationally recognized certifications from CompTIA, Microsoft and EC-Council.

## **Subject Area**

Advanced Technology Center

**Credits** 3

**Years** 2

**Level**

High School

**Grades**

9

10

11

12