

CYBERSECURITY (CYBR)

CYBR 1100 - Defending External Threats Using the Cyber Range

(3 Credits)

This course focuses on techniques, considered preventative in nature, which are used to manage and protect networking devices from external attacks. This course utilizes hands-on virtual labs which allow students to examine sophisticated devices such as ASA firewalls and to explore how these devices may be used to control access to resources. We will also explore methods to test, audit, and analyze the outcomes of a cyber-attack.

Lecture: 3 hours, Lab: 1 hour

Prerequisite(s): COMI 2037 and CNVT 1830

CYBR 1200 - Defending Internal Threats using the Cyber Range

(3 Credits)

This course focuses on techniques, considered preventative in nature, which are used to manage and protect networking devices from internal attacks. This course utilizes hands-on virtual labs which allow students to examine sophisticated devices such as ASA firewalls and to explore how these devices may be used to control access to resources. We will also explore methods to test, audit, and analyze the outcomes of a cyber-attack.

Lecture: 3 hours, Lab: 1 hour

Prerequisite(s): CNVT 1830 and COMI 2037