

## **CYBR (Cybersecurity)**

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### **CYBR 1100 - Introductory Cyber Range Tools and Techniques**

**(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. - Lab Fee: \$20

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### **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. - Lab Fee: \$20