

# CYBER SECURITY (CYBR)

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## **CYBR 220, PYTHON SCRIPTING AND PROGRAM CONCEPTS 3 (4)**

This course offers an introduction to scripting languages with focus on Python. Topics presented in the course will prepare students to automate industry standard security tools using scripting developed in various programming and scripting languages. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2

## **CYBR 221, ETHICAL HACKING 3 (3)**

This course is designed to cover topics required for the Certified Ethical Hacking Exam (CEH). Student will learning hacklink methodology and techniques through lecture and hands on activities. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2, IN3, IN4

**Course Entry Requirement(s):** Prerequisite: CMNW 120

## **CYBR 222, INTERNET OF THINGS (IoT) 4 (6)**

This course covers Internet of Things (IoT) topics, including: architecture; applications; monitoring and utilization; instrumentation; hardware and software connectivity and protocols; deployment strategies; security and cyber risks. Case studies will cover industrial internet of things (IIoT), commercial IoT and consumer IoT. Laboratory required. (A special fee will be assessed.)

**General Education:** IN1, IN2