

# CYBERSECURITY

## CERTIFICATE (C)

DESCRIPTION: This accelerated program prepares students for entry-level positions in cybersecurity. Successful completion will equip students to identify and remediate security issues using industry-standard methods, along with basic skills and knowledge of computer systems and programming, which are beneficial for working as a security professional. The program helps prepare students for industry certifications.

### CORE PROGRAM REQUIREMENTS

**CREDITS: 31.0**

CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4)
CIS 206	OBJECT ORIENTED PROGRAMMING (3/4)
CNS 150	NETWORKING FUNDAMENTALS (3/4)
CNS 155	INTRODUCTION TO ROUTING & SWITCHING (3/4)
CNS 170	PC REPAIR & MAINTENANCE (4/5)
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4) <sup>B</sup>
CNS 230	INFORMATION SECURITY (3/4)
CNS 240	OPEN-SOURCE NETWORKING (3/4)
CNS 245	ETHICAL HACKING & PENETRATION TESTING (3/4)
CRJ 132	INTRO TO COMP FORENSICS & CYBER CRIME (3/4)

**MINIMUM 31.0 CREDIT HOURS / 41.0 CONTACT HOURS**

### NOTES:

<sup>A</sup> Included in occupational specialty.

*GPA of 2.0 or higher must be maintained in occupational specialty courses*

<sup>B</sup> CNS 180 or CNS 252 or CNS 260.

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## CERTIFICATE (C)

### SUGGESTED SEQUENCE OF COURSES

#### YEAR 1 (FALL SEMESTER)

**CREDITS: 16**

CIS 206	OBJECT ORIENTED PROGRAMMING (3/4)
CNS 150	NETWORKING FUNDAMENTALS (3/4)
CNS 170	PC REPAIR & MAINTENANCE (4/5)
CNS 230	INFORMATION SECURITY (3/4)
CNS 240	OPEN-SOURCE NETWORKING (3/4)

#### YEAR 1 (SPRING SEMESTER)

**CREDITS: 15**

CIS 140	INTRODUCTION TO MICROSOFT CLIENT OS (3/4)
CNS 155	INTRODUCTION TO ROUTING & SWITCHING (3/4)
CNS 180	INTRODUCTION TO MICROSOFT SERVER (3/4)
CNS 245	ETHICAL HACKING & PENETRATION TESTING (3/4)
CRJ 132	INTRO TO COMP FORENSICS & CYBER CRIME (3/4)