# Cybersecurity **ASSOCIATE IN SCIENCE(AS** 2024 - 2025

Student's Name:			
Student's ID Number:			
Pathway Navigator:		Faculty Advisor:	David Lee
Major Courses (45 hours) Cour		Courses no	ot Used
Cybersecurity professionals create and implement tactics to secure computer networks and systems. Cybersecurity professionals are in high demand as the growing number of cyberattacks continually increase. Our Cybersecurity-AS degree features a rigorous, hands-on curriculum taught by experienced industry professionals. In our courses, you will learn how to secure devices, data, and networks. Graduates of the Cybersecurity-AS program are prepared to assist in all areas of cyber defense. Additionally, successful completion of this program prepares you to take highly sought after industry certifications.			
	П		
	П		
	г П		
□ CTS1111 Linux+(plus)* 3 □ CTS1120 Security+(plus)+* 3 □ CTS1650 Network Fundamentals* 3 □ CGS1103 Project Mgmt. Concepts & Process. 3 □ COP1000 Intro. to Programming Logic 3 □ CTS2145 Cloud Essentials+#* 3 □ CIS2352 Ethical Hacking I+* 3 □ CIS2381 Comp. Forensics & Incid. Respon.+* 3 □ CTS2315 Intrusion Detection & Firewalls+* 3 □ CTS1651 Cisco Rout. Tech./Rout. Prot. & Conce.+* 3 □ CTS1131 A+ Hardware#* 3 □ CTS1133 Desktop Oper. Systems (A+ software)* 3 □ CTS1390 Install. & Config. Windows Serv.* 3 □ CNT1510 Wireless Networking+#* 3 □ CTS2940 Cybersecurity Capstone+# 3	- - -	Notes	
Other AS Requirements			
General Education Core Requirement Successful completion of at least one dotted core course from each of the five major general education areas: Communications, Humanities, Mathematics, Natural Sciences, Social Sciences	_		
☐ Civic Literacy Requirement (@) Successful completion of AMH 2010 OR AMH 2020 OR POS 2041 AND passing score on civic literacy exam (FCLE)	_		
Developmental Courses	_		
☐ ENC0022 Dev. Writing I & II Combined* 3 ☐ REA0019 Dev. Reading I & II Combined* 3 ☐ MAT0012 Dev. Arithmetic with Algebra* 3	_		

## **General Education (15 hours)**

The Associate in Science degree consists of a minimum of 60 college-level semester hours with at least 15 semester hours of General Education Core courses. The General Education Core courses are chosen for their appropriateness for each degree and represent courses from each of the following disciplines: humanities/fine arts, natural science/mathematics, behavioral science/ social science and communications. Consult with your Faculty Advisor if you have any questions.

#### Communications (3/4 credits) □ENC1101 English Composition I •+\* 3 ■ ENC1101C Enhanced English Comp. I • +\* 4 **Humanities (3 credits)** Select one Humanities course Humanities 1-Visual & Performing Arts □ ARH2000 Understanding Visual Arts•

Humanities 2-Philosophy/Religion Prerequisite ENC1101 or ENC1101C with grade "C" or higher. 3 ☐ HUM2020 Introduction to Humanities •+\* ☐ PHI2010 Intro. to Philosophy •+\* 3 **Humanities 3-Literature** 

3

3

3

3

3

3

3

3

Prerequisite ENC1102 with grade "C" or higher. LIT2000 Literature and Culture ●+\*

☐ MUL2010 Understanding Music●

☐ THE2000 Understanding Theater

# MAC1105 College Algebra ●+\*

Mathematics (3 credits)

## Natural Sciences (3 credits) Select one Science course

# Physical Sciences ☐ AST1002 Descriptive Astronomy • ☐ CHM1045 General Chemistry • + ☐ ESC2000 Earth & Space Science Survey • ☐ EVR1001 Intro. to Environmental Science● ☐ GLY1010 Physical Geology•

☐ OCE1001 Fundamentals of Oceanography ● ☐ PHY1020 Basic Concepts of Physics ● 3 3 ☐ PHY2048 University Physics I • + 4 ☐ PHY2053 College Physics I • + 3

# **Biological Sciences**

☐ BSC1005 General Biological Science● 3 BSC2010 Biology for Science Majors I++ 3 ☐ BSC2085 Anatomy & Physiology I • + 3

#### Social Sciences (3 credits) Select one Social Science Course

# History

☐ AMH2010 United States History I•@ ☐ AMH2020 United States History II•@ 3 Government

☐ POS2041 American Nat'l Government • @

## Key

- + = Prerequisite or co-requisite required
- \* = Minimum grade of "C" required
- @ = Course meets Civic Literacy Requirement
- •= General Education Core course
- #=Applies to A.S. and Certificate Programs