## Cybersecurity **ASSOCIATE IN SCIENC** 2025 - 2026

Cybersecurity ASSOCIATE IN SCIENCE(AS) 2025 - 2026	Student's Name:  Student's ID Number:  Pathway Navigator:		Faculty Advisor: David Lee
General Education (15 hours)	Major Courses (45 hours)		Courses not Used
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)	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,		
□ ENC1101 English Composition I • +* 3 □ ENC1101C Enhanced English Comp. I • +* 4	successful completion of this program prepares you to take highly sought after industry certifications.		
Humanities (3 credits) Select one Humanities course	☐ CTS1111 Linux+(plus)* 3 ☐ CTS1120 Security+(plus)+* 3		Notes
Humanities 1-Visual & Performing Arts  ☐ ARH2000 Understanding Visual Arts ● 3 ☐ MUL2010 Understanding Music ● 3 ☐ THE2000 Understanding Theater ● 3  Humanities 2-Philosophy/Religion Prerequisite ENC1101 or ENC1101C with grade "C" or higher.  ☐ HUM2020 Introduction to Humanities ● + * 3 ☐ PHI2010 Intro. to Philosophy ● + * 3	□ CTS1650 Network Fundamentals* □ CGS1103 Project Mgmt. Concepts & Process. 3 □ COP1000 Intro. to Programming Logic □ CTS2193 Cloud Essentials+#* 3 □ CIS2352 Ethical Hacking I+* □ CIS2381 Comp. Forensics & Incid. Respon.+* 3 □ CTS2315 Intrusion Detection & Firewalls+* 3 □ CTS1651 Cisco Rout. Tech./Rout. Prot. & Conce.+* 3 □ CTS1131 A+ Hardware#* □ CTS1133 Desktop Oper. Systems (A+ software)* □ CTS1390 Install. & Config. Windows Serv.* 3	_	

## courses are chosen for their appropriatenes each degree and represent courses from ea the following disciplines: humanities/fine arts natural science/mathematics, behavioral sci social science and communications. Consulyour Faculty Advisor if you have any question Communications (3/4 credits □ENC1101 English Composition I •+\* ■ ENC1101C Enhanced English Comp. I • + **Humanities (3 credits)** Select one Humanities course Humanities 1-Visual & Performing □ ARH2000 Understanding Visual Arts• ☐ MUL2010 Understanding Music● ☐ THE2000 Understanding Theater● Humanities 2-Philosophy/Religion Prerequisite ENC1101 or ENC1101C with grade "C" of ☐ HUM2020 Introduction to Humanities •+\* ☐ PHI2010 Intro. to Philosophy •+\* **Humanities 3–Literature** Prerequisite ENC1102 with grade "C" or higher. LIT2000 Literature and Culture ●+\* 3 **Mathematics (3 credits)** MAC1105 College Algebra ●+\* 3 Natural Sciences (3 credits) Select one Science course Physical Sciences ☐ AST1002 Descriptive Astronomy • 3 ☐ CHM1045 General Chemistry •+ ☐ ESC2000 Earth & Space Science Survey • 3 ☐ EVR1001 Intro. to Environmental Science • 3 ☐ GLY1010 Physical Geology• 3 ☐ 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

r.	□ CTS1111 Linux+(plus)* 3   □ CTS1120 Security+(plus)+* 3   □ CTS1650 Network Fundamentals* 3   □ CGS1103 Project Mgmt. Concepts & Process. 3   □ COP1000 Intro. to Programming Logic 3   □ CTS2193 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   □ CTS1390 Install. & Config. Windows Serv.* 3   □ CNT1510 Wireless Networking+#* 3   □ CTS2940 Cybersecurity Capstone+# 3				
	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				
Key					
	+ = Proroquisito or co roquisito roquirod				

- + = 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

## Government

☐ POS2041 American Nat'l Government • @