Cybersecurity
ASSOCIATE IN SCIENCE(AS)
2024 - 2025

Student's Name: _____

Student's ID Number: _____

Pathway Navigator: *Rachel Hibbard* **Faculty Advisor:** *David Lee*

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

- ☐ **AR 2000 nderstanding isual Arts**
- ☐ **L 0 nderstanding usic 3**
- ☐ **T E2000 nderstanding T eater**

Humanities 2–Philosophy/Religion

Prerequisite ENC1101 or ENC1101C with grade "C" or higher.

- ☐ HUM2020 Introduction to Humanities●+* 3
- ☐ PHI2010 Intro. to Philosophy●+* 3

Humanities 3–Literature

Prerequisite ENC1102 with grade "C" or higher.

- ☐ ***2000 iterature*** and Culture +

Mathematics (3 credits)

- ☐ MAC1105 College Algebra●+* 3

Natural Sciences (3 credits)
Select one Science course

Physical Sciences

- ☐ ***A 1002 escri tive Astro o y***
- ☐ ***C 10 e eral Che istry***
- ☐ ***E C2000 Earth ace cie ce urvey***
- ☐ ***E 1001 tro. to E viro e tal cie ce***
- ☐ ***1010 Physical eology***
- ☐ ***CE1001 Fu da e tals o cea ogra hy***
- ☐ ***P 1020 asic Co ce ts o Physics***
- ☐ ***P 20 iversity Physics***
- ☐ ***P 20 College Physics***

Biological Sciences

- ☐ [illegible]
- ☐ [illegible]
- ☐ [illegible]

Social Sciences (3 credits)
Select one Social Science Course

History

- ☐ [illegible]
- ☐ [illegible]

Government

- ☐ ***326 [illegible]***

Major Courses (45 hours)

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.

- ☐ CTS1111 Linus+(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

Other AS Requirements

- ☐ **General Education Core Requirement**
  ucce ul com letion o at lea t one dotted core cour e rom eac o t e ive ma or eneral education area Communication umanitie at ematic atural cience ocial cience
- ☐ **Civic Literacy Requirement (@)**
  ucce ul com letion o R R AND ssin s re n i i iter e m (FCLE)

Developmental Courses

- ☐ ENC0022 Dev. Writing I & II Combined* 3
- ☐ REA0019 Dev. Reading I & II Combined* 3
- ☐ MAT0012 Dev. Arithmetic with Algebra* 3

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

Courses not Used

- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____
- ☐ _____

Notes

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