

CYBER SECURITY PROGRAM

Area III

MTH 1125 (4) Calculus I

Select ONE sequence with labs:

CHM 1142 (3) General Chemistry I
CHM L142 (1) General Chemistry I Lab
CHM 1143 (3) General Chemistry II
CHM L143 (1) General Chemistry II Lab

OR

PHY 2252 (3) General Physics I
PHY L252 (1) General Physics I Lab
PHY 2253 (3) General Physics II
PHY L253 (1) General Physics II Lab

OR

PHY 2262 (3) Physics I with Calculus
PHY L262 (1) Physics I with Calculus Lab
PHY 2263 (3) Physics II with Calculus
PHY L263 (1) Physics II with Calculus Lab

Area V

TROY 1101 (1) Orientation
MTH 2210 (3) Introduction to Statistics
CS 2250 (3) Computer Science I

Required Courses (54 hours)

CJ 4472 (3) Cyber Crime
CJ 4473 (3) Computer Forensics
CS 2255 (3) Computer Science II
CS 3323 (3) Data Structures
CS 3360 (3) Concepts of Object-Oriented Programming I
CS 3365 (3) Introduction to Computer Organization and Architecture
CS 3333 (3) Introduction to Cryptography
CS 3334 (3) Foundations of Cyber Security
CS 3336 (3) Information Assurance
CS 4452 (3) Cyber Security Policies and Compliance
CS 4453 (3) Ethical Hacking
CS 4454 (3) Secure Software Development
CS 4455 (3) Cyber Security Techniques and Practices
CS 4420 (3) Introduction to Database Systems
CS 4445 (3) Data Communication and Networking
CS 4448 (3) Operating Systems
MTH 2215 (3) Discrete Math

Select one upper level (3000-4000 level) Computer Science elective.