

COMPUTER SCIENCE - CYBERSECURITY (A.S.)

Student Learning Outcomes

- Students will demonstrate knowledge of Information Technology - specific content (programming in a higher-level language; computer's internal organization).
- Students will demonstrate critical thinking in Information Technology.
- Students will demonstrate communication skills reflective of professional standards in Information Technology.
- Students will demonstrate computer-based calculation skills (ability to work with different bases, internal data representations, digital logic).

Code	Title	Hours
Major Requirements: 33 Credit Hours		
CS 108	Found of Computer Science I	3
CS 111	Intro to Obj-Oriented Program	3
CS 112	Introduction to Networking	3
CS 114	Introduction to Cybersecurity	3
CS 210	Understanding UNIX/LINUX	3
CS 221	Database Techniques	3
CS 385	Computer Science Internship	3
CS 387	Advanced Cybersecurity	3
ICT 410	Intru Detect & Incid Response	3
ICT 411	Digital Forensic Analysis	3
ICT 412	Ethical Hacking & Sys Defense	3
General Education Requirements: 30 Credit Hours		30
ENG 102	Read/Writing Connections	
COM 211	Speech	
Choose 1 of the following: 3 credits		
SOC		
PSYC		
GFA		
ECON		
Math and Science Proficiency Requirements: 6 credits		
MATH 104	Algebra II or MATH 2:Statistics	
Science Elective (NS, CHEM, BIO, etc.)		
Electives: 9 Credits		
Total Hours		63