BACHELOR OF SCIENCE IN CYBERSECURITY

Program Learning Outcomes

Graduates of this program will be able to:

a. Explain knowledge of the fundamental concepts of information technology systems,
b. Identify, analyze, formulate, and solve cybersecurity problems with appropriate measures by applying current knowledge, skills, and tools,
c. Apply concepts of best practices in cybersecurity to produce ethical and professional solutions to address societal needs, and
d. Collaborate in teams and communicate effectively in writing and verbally.

Program Requirements

Code	Title	Credit Hours
Core IMPACTS		**42**
All core curriculum recommendations are shown under the Core IMPACTS section of the Undergraduate Graduation Requirements. (https://catalog.clayton.edu/graduation-requirements/undergraduate-graduation-requirements/core-curriculum/#nonsciencemajorstext)		
Field of Study		*18*
CSCI 1300	Computational Thinking& Coding	3
CSCI 1701	Cybersecurity Essentials	3
CYBR 1201	Database Systems and Security	3
CYBR 2010	Intro to Computer Forensics	3
CYBR 2502	Fund. of Networking and Securi	3
CYBR 2530	Foundations of Ethical Hacking	3
Upper Division Major Requirements		*39*
CYBR 3012	Information Risk Management	3
CYBR 3112	Secure Software Development	3
CYBR 3201	IoT, Cloud, & Mobile Security	3
CYBR 3311	Cyb. Laws, Ethics, & Policies	3
CYBR 3601	Sec Testing & Quality Assur	3
CYBR 3630	Cryptography and Info Security	3
CYBR 4010	Digital Foren and Incident Res	3
CYBR 4208	Disaster Recovery Planning	3
CYBR 4306	Computer & Network Security	3
CYBR 4310	Data Security and Analytics	3
CYBR 4417	OS Security, Prog. and Admin.	3
CYBR 4502	Secure Networks and Comm Proto	3
CYBR 4900	Cybersecurity Capstone	3
Free Electives		*21*
Choose twenty-one credit hours of free electives.		
Total Credit Hours		**120**