

Cybersecurity Concentration (9247)


Associate of Applied Business Degree

The Cybersecurity Concentration focuses on designing, implementing and maintaining defensive and offensive strategies in the cybersecurity area of knowledge. Founded on Lakeland's extensive history in networking, infrastructure security, information technology and computer science, instruction included in the emphasis helps prepare students and professionals for several industry certifications such as CompTIA, Cisco, Microsoft and RedHat. In addition to employment opportunities, students have the option to continue their education beyond the two-year associate degree program by enrolling in four-year bachelor degree programs at local universities.

Course	Title	Credit Hours
First Semester		
BUSM 1300	Introduction to Business	3
ENGL 1110 or ENGL 1111	English Composition I (A) ¹ or English Composition I (B)	3
FYEX 1000	First Year Experience	1
ITIS 1007	Principles of Information Technology and Computer Science	3
ITON 1205	Network+ and Networking Essentials	2
1st 8 Weeks		
CNET 1100	Cisco Networking Technology I	3
Credit Hours		15
Second Semester		
BUSM 2000	Principles of Management	3
ITCS 1010	Programming Logic	3
ITIS 1355	Security+ and Security Essentials	3
ITON 1748	Linux Administration I	3
ITON 2260	MS Windows Server 2019	2
MATH 1600	Survey of College Mathematics	3
Credit Hours		17
Third Semester		
BUSM 2400	Business Communication	3
CRMJ 1110	Introduction to Criminal Justice	3
ITIS 1360	Cyber/Computer Forensics and Counterterrorism	3
ITIS 2015	Information Technology Project Management	3
ITON 1735	Cisco Cyber Operations	3
Credit Hours		15
Fourth Semester		
CNET 2720	Cisco Network Security: Managing Security	3
ITCS 1870	Python Programming I	3
ITIS 2355	Security Investigation and Penetration Studies	3
ITIS 2890	Information Technology and Computer Science Capstone	2
Select course(s) from the Arts and Humanities Electives list		3
Select courses(s) from the Natural Sciences Electives list		3
Credit Hours		17
Total Credit Hours		64

¹ English course selection is based on placement test results (ENGL 1111 English Composition I (B) is 4 credits, only 3 credits apply to the degree).

² Students planning to transfer to a four-year college should take a sequence of math as advised by their counselor.

 This course is designated as a technical course in the program. Students must earn a "C" grade or higher in the course to fulfill the college's graduation requirements policy.

Electives

Course	Title	Credit Hours
Arts and Humanities		
ARTS 1120	Art Appreciation	3
ARTS 2220	Survey of Art I	3
ARTS 2230	Survey of Art II	3
ENGL 2250	Survey of American Literature I	3
ENGL 2260	Survey of American Literature II	3
ENGL 2280	Survey of British Literature I	3
ENGL 2290	Survey of British Literature II	3
HUMX 1100	Introduction to Humanities	3
HUMX 1200	The American Experience in the Arts	3
MUSC 1200	Music Appreciation	3
MUSC 1215	World Music	3
MUSC 1800	Popular Music: Rock, Jazz, Country, and Hip-Hop	3
MUSC 2200	Music History and Literature I	3
MUSC 2250	Music History and Literature II	3
PHIL 1500	Introduction to Philosophy	3
PHIL 2000	Comparative Religion	3
PHOT 1000	History of Photography	3
Natural Sciences		
CHEM 1050	Chemistry in the Everyday World	3
PSCI 1300	Earth Science	3
PSCI 1400	Introduction to Meteorology	3
Any other Natural Sciences course included in the Ohio Transfer 36		