

Cybersecurity Degree (AS_COMI_CYBR)

Associate in Science Degree in Computer Studies and Information Processing (AS_COMI)

Available on all four campuses; daytime, evening or online

The Cybersecurity program is designed to provide students with a strong foundation in the principles and methods of cybersecurity, as well as the fundamental knowledge and tools for applying security measures across a variety of network architectures and settings. In addition to serving as a strong foundation for pursuing a bachelor's degree in cybersecurity, this associate degree program will provide the educational background and hands-on training necessary to prepare students for entry in the cybersecurity sector. The curriculum includes a combination of general education, computer science and network technology courses to provide students with the knowledge, skills and training necessary for successful transition into a career in security, and to meet NSA and Centers of Academic Excellence core foundational content and standards.

Note: Students must earn a grade of at least C in all computer course requirements and must maintain a 2.0 GPA. Many courses require prerequisites, corequisites and/or testing. See course descriptions at the back of the catalog for details.

RECOMMENDED COURSE SEQUENCE

First semester: ENGL 1010; MATH 1200; CNVT 1810; COMI 1150; Social Science/ Humanities Elective

Second semester: MATH 1430; CNVT 1820; COMI 1510/1225 (1510 preferred); CYBR 1100; Social Science/Humanities Elective

Third semester: MATH 1210; CNVT 1830; COMI 2036, COMI 2037 **OR** 2035; COMPI200

Fourth semester: CNVT 2200; COMI 2037 **OR** 2035; COMP 2430; Social Science/ Humanities Elective; COMP 2500

General Education Requirements

COURSE NO.	COURSE TITLE	CREDITS
— ENGL 1010	Composition I	3
— MATH 1200	College Algebra	3
— MATH 1210	College Trigonometry	3
— MATH 1430	Math for Liberal Arts	3
— Social Science Elective	See page 22 for complete list of courses that fulfill the SSCI attribute.	6
— Humanities Elective	See page 22 for complete list of courses that fulfill the HUMN attribute.	3
Total General Education Credits		21

Major Requirements

COURSE NO.	COURSE TITLE	CREDITS
— COMI 1150	Programming Concepts	3
— COMP 1200	Database Design and Management	3
— COMI 2035	Introduction to Computer Forensics	3
— COMI 2036	Introduction to Computer Ethics	3
— COMI 2037	Introduction to Cybersecurity	3
— COMP 2430	Operating Systems	3
— CNVT 1810	Networking Technology	3
— CNVT 1820	Intermediate Networking	3
— CNVT 1830	Local Area Networking (LAN) Design and Management	3
— CNVT 2200	Network Security Hardware	4
— CYBR 1100	Introductory Cyber Range Tools and Techniques	3
— COMP 2500*	Internship	3
— Programming Language Elective	Take three credits from programming attribute PROG. See page 23. COMI 1225 or COMI 1510 recommended	3
Total Major Requirements Credits		40

Total Program Credits

61

*COMP 2500 requires instructor permission.