

Cybersecurity (eMajor) B.S.
Institute for Cybersecurity Workforce Development
8 Semester Plan

Year 1 - Fall (16 credits)	Credits	Year 1 - Spring (16 credits)	Credits
ENGL 1101- Composition I [A1]	3	ENGL 1102- Composition II [A1]	3
MATH 1113- Pre-Calculus or Higher [A2]	3	MATH 1190- Calculus or Higher [D1]	4
POLS 11101- American Government [E1]	3	ECON 1000- Contemporary Economic Issues [B1]	2
General Education- U.S. History [E2]	3	General Education- Cultural Perspectives [B2]	3
CSE 1321- Programming & Problem Solving I †	3	CSE 1322- Programming & Problem Solving II	3
CSE 1321L- Programming & Problem Solving I Lab †	1	CSE 1322L- Programming & Problem Solving II Lab	1
TOTAL	16	TOTAL	16
Year 2 - Fall (13 credits)	Credits	Year 2 - Spring (16 credits)	Credits
General Education- Literature of the World [C1]	3	General Education- Arts & Culture of the World [C2]	3
General Education- Science Processes (STEM) [D2]	4	General Education- Science Processes (STEM) [D2]	4
MATH 2345- Discrete Mathematics or CSE 2300- Discrete Structures for Computing	3	ACCT 2101- Principles of Accounting I	3
MATH 2332- Probability & Data Analysis or ECON 2300- Business Statistics	3	CYBR 3100- Principles of Cybersecurity †	3
		CYBR 3123- Hardware & Software Concepts †	3
TOTAL	13	TOTAL	16
Year 3 - Fall (15 credits)	Credits	Year 3 - Spring (15 credits)	Credits
General Education- World History [E3]	3	General Education- Social Sciences [E4]	3
CYBR 3200- Network Security	3	CYBR 3300- Management of Cybersecurity in a Global Environment	3
CYBR 3210- Client Systems Security	3	CYBR 4200- Perimeter Defense	3
CYBR 3423- Operating Systems Concepts & Administration	3	CYBR 4423- Linux/Unix Administration	3
CYBR 4323- Data Communication & Networking	3	Specialization Course (1 of 3)	3
TOTAL:	15	TOTAL:	15
Year 4 - Fall (15 credits)	Credits	Year 4 - Spring (14 credits)	Credits
CYBR 4220- Server Systems Security	3	CYBR 4810- Cyber Defense	3
CYBR 4330- Incident Response & Contingency Planning	3	Specialization Course (3 of 3)	3
Specialization Course (2 of 3)	3	Major Elective (2 of 3)	3
Major Elective (1 of 3)	3	Major Elective (3 of 3)	3
Free Elective (1 of 2)	3	Free Elective (2 of 2)	3
TOTAL:	15	TOTAL:	14

Program Total: 120 Credit Hours

***Recommended General Education Course †Milestone**

This academic map is a suggested four-year schedule of courses based on degree requirements in the undergraduate catalog. This sample schedule serves as a general guideline to help build a full schedule each term. Missing milestones could delay your program. Also see the current undergraduate catalog for a complete list of requirements, electives, and pre-requisites. This map is not a substitute for academic advisement. Note: Requirements are continually under revision, and there is no guarantee they will not be changed or revoked; contact the department and/or program area for current information.