

Cybersecurity (BCY) Tracking Sheet Catalog Year 2019-2020

Note: This is an example schedule; many courses are offered in other semesters (see reverse side). If you overload, withdraw, transfer, or fail courses, meet with your advisor to build a viable schedule.

Fall			Spring			Summer		
Freshman (0-31 earned hours)								
COMP 1100	Introduction to Networks ¹	3-2-4	COMP 2500	Security Principles	3-2-4			
COMP 1000	Computer Science I	3-2-4	COMP 1050	Computer Science II	3-2-4			
ENGLISH	English Sequence I	4-0-4	ENGLISH	English Sequence II	4-0-4			
MATH 2300	Discrete Math	4-0-4	MATH 1775	Integrated Eng Calculus I	4-0-4			
Sophomore (32-63 earned hours)								
COMP 2000	Data Structures	3-2-4	COMP 2350	Algorithms	3-2-4	COOP 3000 Pre Co-op Work Term		
COMP 1200	Computer Organization ³	3-2-4	COMP 2150	Network Administration	3-2-4			
MGMT 2560	Cybersecurity Law & Policy	3-0-3	MATH 2860	Linear Algebra	4-0-4			
MATH 1875	Integrated Eng Calculus II	4-0-4	HUSS	Humanities/Social Science Elective ⁴	4-0-4			
HUSS	Humanities/Social Science Elective ²	4-0-4						
Junior (64-95 earned hours)								
COMP 3400	Operating Systems	3-2-4	COOP 3500 Coop Education I			COMP	Cryptography Elective ⁶	3-2-4
COMP 3500	Network Security	3-2-4				COMP 3550	Computer Security	3-2-4
COMP 3100	System Administration	3-2-4				MATH/SCI	Math/Science Elective ⁵	4-0-4
MATH/SCI	Math/Science Elective ⁵	4-0-4				MATH 2100	Probability & Statistics	4-0-4
HUSS	Humanities/Social Science Elective ⁴	4-0-4						
Senior (96+ earned hours)								
COOP 4500 Coop Education II			COMP 4500	Offensive Security	3-2-4	COMP 4550	Incident Response & Business	3-2-4
			COMP	Cybersecurity Elective ⁷	3-0-3	COMP	Cybersecurity Elective ⁷	3-0-3
			COMP	Elective	3-2-4	COMP 5500	Senior Project	3-2-4
			HUSS	Humanities/Social Science Elective ⁴	4-0-4	HUSS	Humanities/Social Science Elective ⁴	4-0-4

Notes

- 1 or Network Programming
- 2 Ethics course is required
- 3 or Digital Logic

- 4 At least one elective must be from the social sciences (COMM, ECON, POLS, PSYC, SOCL); at least one elective must be from the humanities (HIST, HUMN, LITR, PHIL)
- 5 Any science elective (except PHYS1000/PHYS1500) or any

- 6 see reverse for Cryptography Elective List
- 7 see reverse for Cybersecurity Elective List

Cryptography Elective List:

- COMP 3590 Applied Cryptography
- MATH 2425 Cryptology

Cybersecurity Elective List:

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|---|-----------------------------------|
| COMP 3580 Digital Forensics | COMP 4590 Public Key Cryptography |
| COMP 4580 Network Forensics | ELEC 4025 Hardware Security (CE) |
| COMP 3575 Scripting for Cybersecurity & Forensics | |
| COMP 4570 Web Security | |