

Cybersecurity Systems Semester V1

Fall							Spring						
Year 1	CSC	1110	Software Development	3	2	4	CSC	1120	Data Structures and Graphical Interfaces	3	2	4	
	MTH	1080	Precalculus Mathematics	4	0	4	MTH	1110	Calculus I	4	0	4	
	CHM	1310	Chemistry of Food Molecules	3	2	4	PHY	1110	Physics I – Mechanics and Thermo	3	2	4	
	COM	1001	College Writing	3	0	3	UXD	1001	Human-Centered Design	3	0	3	
	CSC	1000	First Year Seminar – Computing	1	0	1	IDS	2020	Career Development	1	0	0	
Year 1 – Fall – 13-4-15							Year 1 – Spring – 14-2-14						
Year 2	CYB	2001	Intro to Cybersecurity Principles	3	2	4	CYB	2311	Introduction to Applied Cryptography	2	2	3	
	SWE	2512	Web Applications and Networking	3	0	3	CSC	2623	Exploring Data	2	2	3	
	SWE	2712	Software Tools and Process	2	2	3	CSC	2212	Procedural and Object-Oriented C++	4	0	4	
	MTH	2310	Discrete Mathematics	3	0	3	SWE	2410	Software Design	2	2	3	
	BUS	1850	Information and Operations Technology	3	0	3	COM	2001	Writing for the STEM Disciplines	3	0	3	
Year 2 – Fall – 13-2-14							Year 2 – Spring – 14-4-16						
Year 3	CYB	4540	Network Security Tools and Practices	2	2	3	CYB	3551	Digital Forensics	2	2	3	
	CSC	3210	Operating Systems	3	2	4	SWE	4511	DevSecOps	3	2	4	
	SWE	2721	Introduction to Software Verification	2	2	3			Elective (Program-Lower)	3	0	3	
	MTH	2480	Probability and Statistics	3	0	3	SOC	3001	Cybercrime: Human Perspectives	3	0	3	
	COM	3001	Professional Presentations	3	0	3			Elective (Embrace Diversity)	3	0	3	
Year 3 – Fall – 13-6-16							Year 3 – Spring – 13-6-16						
Year 4	CYB	4901	Cybersecurity Systems Capstone I	1	0	3	CYB	4902	Cybersecurity Systems Capstone II	1	0	3	
	CYB	4721	Applied Penetration Testing	2	2	3	CYB	4551	Software Reverse Engineering	2	2	3	
	CYB	4911	Cybersecurity Micro-practicum	1	0	1			Elective (Free)	3	0	3	
			Elective (Program-Upper)	3	0	3			Elective (Raider Core – Any)	3	0	3	
			Elective (Business)	3	0	3							
			Elective (Exhibit Curiosity)	3	0	3							
Year 4 – Fall – 11-4-15							Year 4 – Spring – 13-0-15						

2026-10-22

*May be replaced with a free elective if placed in CSC1110

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