

Cybersecurity: Profession Category

Sample 4-Year Plan – Please note that certain class availability may vary by semester

FIRST YEAR All first year entering students take FUSE 101 in the fall semester and FUSE 102 in the spring semester.	Fall Term (F)		Spring Term (S)		Summer Term & Notes	
	Course	Hours	Course	Hours	Course	Hours
	CSCI 251 Introduction to Computer Science	4	CSCI 241 Discrete Mathematics	3		
	CSCI 231 Calculus I	4	CSCI 261 Data Structures	4		
			CISQ 263 Introduction to Data Analytics	3		
	Total Hours		Total Hours		Total Hours	
Additional Info & Prerequisites (PR)						

SOPHOMORE	Fall Term (F)		Spring Term (S)		Summer Term & Notes	
	Course	Hours	Course	Hours	Course	Hours
	CSCI 262 Algorithms	3	CISQ 440 Web Application Security	3		
	CSCI 277 Application Development I	3				

	CISQ 352 Fundamentals of Information Security	3				
	CISQ 363 Data Analytics Applications	3				
	Total Hours		Total Hours		Total Hours	
Additional Info & Prerequisites (PR)						

Upper level classes listed during a student's junior and senior year may be offered on an occasional basis based on student interest. Check with your department for availability.

JUNIOR	Fall Term (F)		Spring Term (S)		Summer Term & Notes	
	Course	Hours	Course	Hours	Course	Hours
	CSCI 342 Computer System Concepts	3	CISQ 470 Hacking Tools, Techniques, and Incident Response	3		
	CSCI 362 Introduction to Machine Learning	3				
	CISQ 478 Network Security	3	CISQ 440 Web Application Security (if not taken in year 2)	3		
	MATH 326 Probability Theory	3				
	Total Hours		Total Hours		Total Hours	
Additional Info & Prerequisites (PR)						

SENIOR	Fall Term (F)		Spring Term (S)		Summer Term & Notes	
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	Course	Hours	Course	Hours	Course	Hours
	CSCI 351 Programming Languages	3	CISQ 494 Cybersecurity Capstone	3		
	Total Hours		Total Hours		Total Hours	
Additional Info & Prerequisites (PR)						