

Course (Department, Number, Title)	Semesters									Specialization Area
	<i>Cyber</i>	<i>DS</i>	<i>HPC</i>	Fall 2024	Spring 2025	Fall 2025	Spring 2026	Fall 2026	Spring 2027	
List all courses in the program by term for the next 3 years										
CSC 6240 Mathematics and Theory of Machine Learning				x		x		x		
CSC 6400 Advanced Analysis of Algorithms					x		x		x	
CSC 6220 Data Mining		SE					x			
CSC 6230 Machine Learning		SE			x				x	
CSC 6260 Advanced Topics in Artificial Intelligence		SE					x			
CSC 7210 Anomaly and Intrusion Detection Systems**		SE						x		
CSC 7240 Intelligent Information Systems**		SE		x						
CSC 6570 Cloud Security Fundamentals and Practice	SE				x		x		x	
CSC 6575 Internet Security	SE			x		x		x		
CSC 6580 Advanced Reverse Engineering	SE					x		x		
CSC 6585 Secure Software Development	SE			x				x		
CSC 6590 Application Security	SE				x		x		x	
CSC 7570 A.I. Assisted Cyber	SE			x		x		x		
CSC 7575 Security Topics in Cyber Physical Systems**	SE				x					
CSC 6730 Advanced Networking			SE	x			x			
CSC 6740 Parallel and Distributed Algorithms			SE		x			x		
CSC 6780 Distributed Computing			SE			x				
CSC 7560 Advanced Networking and Next Gen Internet Protocols **			SE						x	
CSC 7720 Distributed Operating Systems **			SE		x					
CSC 7750 Topics in High Performance Computing **			SE						x	
CSC 6903 Special Topics				x	x	x	x	x	x	
CSC 6910 Graduate Seminar	R	R	R	x	x	x	x	x	x	

Num Course Offerings: 8 9 7 8 9 8

\*\* offered once every three years

R = Required for MS and Direct-to-PhD students

SE = Specialization Elective

- Theory
- AI
- Security
- HPC
- All (MS)