

CCSU Computer Science Department Planned Course Offerings										rev. 10/16/2024
Course	Title	2024/2025			2025/2026			2026/2027		
		Fall	Spr	Sum	Fall	Spr	Sum	Fall	Spr	Sum
CS 140	Survey of CS		X			X			X	
CS 151	CS I	XXXX	XXXX	Z	XXXX	XXXX	Z	XXXX	XXXX	Z
CS 152	CS II	XXX	XXXX	Z	XXX	XXXX	Z	XXX	XXXX	Z
CS 253	Data Structures	XXXX	XXXX	Z	XXX	XXXX	Z	XXX	XXXX	Z
CS 254	Assembler	XX	XX		XX	XXX		XXX	XXX	
CS/CYS 291	Computer Forensics	XX	X		XX	X		XX	X	
CS 354	Digital Systems Design	X	XX		XX	XX		XX	XX	
CS 355	Systems Programming	XX	XX	Z	XX	XX	Z	XX	XX	Z
CS 385	Computer Architecture	X	XX		X	XX		X	XX	
CS 460	Database Concepts	X	X		X	X		X	X	
CS 463	Algorithms	X	X		X	X		X	X	
CS 464	Programming Languages	X	X		X	X		X	X	
CS 481	Operating Systems Design		X		X	X		X	X	
CS 483	Theory of Computation	X	X		X	X		X	X	
CS/CYS 492	Computer Security	XX	XX		XX	XX		XX	XX	
CS/CYS 493	Secure Software Systems	X	X		X	X		X	X	
CS/CYS 494	Cryptographic Systems	X	X		X	X		X	X	
CS 410	Software Engineering	X	X		X	X		X	X	
CS 498	Senior Project	X	X		X	X		X	X	
CS 290	Topics in CS									
CS 407	Advanced Topics in CS	X	Z		Z	Z		Z	Z	
CS 409	Advanced Topics in CYS									
CS 415	Game Development			Z			Z			Z
CS 416	Web Programming	XX			XX			XX		
CS 417	Design Patterns	X			X			X		
CS 418	Software Testing and Quality Assurance		X			X			X	
CS 419	Usable Security and Privacy	X			X			X		
CS 423	Computer Graphics									
CS 425	Image Processing									
CS 430	Big Data Programming	X			X			X		
CS 445	Machine Learning			Z			Z			Z
CS/CYS 446	Intro ML for Cybersecurity				X			X		
CS/CYS 455	Principles of Secure Software Development									
CS 462	Artificial Intelligence		X			X			X	
CS 465	Compiler Design									
CS 473	Simulation Techniques									
CS 474	Semantic Web	X			X			X		
CS 475	Linked Data Engineering		X			X			X	
CS 490	Computer Networks									
CS 495	Social, Ethical, and Economic Issues									
CS/CYS 496	Software Reverse Engineering					X			X	
CS 300	Work Experience	X	X	X	X	X	X	X	X	X
CS 398	Independent Study									
CS 499	Seminar in CS									
CS 500	Computer Science for CIT	X	X		X	X		X	X	
CS 501	Foundations of CS			Z			Z			Z
CS 502	Computing & Comm Technologies	X	X		X	X		X	X	
CS 505	Design Patterns	X			X			X		
CS 506	Software Testing and Quality Assurance		X			X			X	
CS 507	Advanced Mobile App Development		X			X			X	
CS 508	Distributed Computing									
CS 510	Foundations of Software Engineering	X	X		X	X		X	X	
CS 511	Advanced Software Reverse Engineering					X			X	
CS/CYS 515	Secure Software Development		X							
CS 525	Advanced Algorithms									
CS/CYS 530	Advanced Software Engineering	X			X			X		
CS/CYS 540	CS Topics in Cybersecurity									
CS 545	Machine Learning for Data Mining			Z	X		Z	X		Z
CS/CYS 546	Machine Learning in Cybersecurity				X			X		
CS 550	Topics in HCI	X			X			X		
CS 560	Topic in Software Engineering	X	Z	Z	X	Z	Z	X	Z	Z
CS 565	Bioinformatics									
CS 570	Topics in Artificial Intelligence	X	X			X			X	
CS 575	Linked Data Engineering		X			X			X	
CS 580	Topics in Databases	X	X	Z	X	X	Z	X	X	Z
CS 590	Topics in HPC									
CS/CYS 592	Advanced Computer Security	X	X		X	X		X	X	
CS/CYS 593	Advanced Secure Software Designs	X	X		X	X		X	X	
CS 594	Graduate Research Seminar									

X = to be offered

XX = two+ sections to be offered

Z = tentative