

Course	Category	Last offered	Past Frequency
CSC501 - Algorithms and Data Models	A	202501	1/yr
CSC502 - Systems for Massive Datasets	S	202501	1/yr
CSC503 - Data Mining	A	202505	3/yr
CSC504 – Data Science for Software Engineering	A	202505	n/a
CSC505 - Computer Graphics	A	n/a	n/a
CSC510 - Advanced Human-Computer Interaction	A	n/a	n/a
CSC511 - Information Visualization	A	202405	1/yr
CSC512 – Computing for Cognitive Augmentation	A	202501	every 2-3 yrs
CSC513 – Designing Creativity Support Tools	S	202505	New course
CSC520 - Analysis of Algorithms	T	202501	every 2-3 yrs
CSC522 - Graph Algorithms	T	201705	Very rare
CSC523 - Randomized Algorithms	T	202501	every 2-3 yrs
CSC524 - Computational Complexity	T	202209	≤ every 4 yrs
CSC525 - Computational Biology Algorithms	A	202109	≤ every 4 yrs
CSC526 - Computational Geometry	T	201905	Very rare
CSC527 – Advanced Topics in Bioinformatics	A	202409	1/yr
CSC529 - Cryptography	T	202505	1/yr
CSC531 – Machine Learning Theory	T	202501	New course
CSC535 - Compiler Construction	S	202505	≤ every 4 yrs
CSC540 - Numerical Analysis I	T	201101	Very rare
CSC545 - Operations Research I	T	202205	≤ every 4 yrs
CSC546 - Operations Research II	S	202409	every 2-3 yrs
CSC557 – Quantum Algorithms and Software Engineering	S	202505	1/yr
CSC560 - Design and Analysis of Real-Time Systems	S	202201	≤ every 4 yrs
CSC561 - Multimedia Systems	S	202309	every 2-3 yrs
CSC562 - Distributed Computing	S	202105	≤ every 4 yrs
CSC564 - Concurrency	S	201809	Very rare
CSC565 - Massive Data Sets, Scalability and Concurrency	S	n/a	n/a
CSC567 - Switching, Network Traffic and Quality of Service	S	201901	Very rare
CSC569 - Wireless and Mobile Networks	S	202009	≤ every 4 yrs
CSC572 – Fundamentals of Computer Modeling	T	202501	New course
CSC573 – Fundamentals of Computer Animation	A	202409	1/yr
CSC575 - Music Retrieval Techniques	A	202501	1/yr
CSC577 – Safety and Assurance	S	n/a	New course
CSC579 – Overlay and Peer-to-Peer Networking	S	202501	every 2-3 yrs
Topics Courses			
CSC582A – Topics in Computer Systems and Software			
“Software Defined Networks” (Summer 2025)			

CSC582A – Topics in Theoretical Computer Science “Quantum Information Theory” (Fall 2024)	T		
CSC586C – Topics in Computer Systems and Software “GPU Computing” (Fall 2024)	S		
CSC 588A: Selected Topics in Data Science “Data Privacy” (Summer 2024)	T		
CSC 588B: Selected Topics in Data Science “Data Assimilation” (Summer 2024)	A		
CSC 582A: Topics in Theoretical Computer Science “Advanced Data Structures and Optimization” (Spring 2024)	T		
CSC 582B: Topics in Theoretical Computer Science “Hash Functions and Random Oracles” (Spring 2024)	T		
CSC 586A: Topics in Computer Systems and Software “Quantum Algorithms and Software Engineering” (Spring 2024)	S		
CSC 586B Topics in Computer Systems and Software: “Designing Collaborative Technologies” (Spring 2024)	A		
CSC 586C: Topics in Computer Systems and Software: “Formal Methods” (Spring 2024)	S		
CSC 578A: Topics in Software Applications: “Trends in Visualization Research” (Fall 2023)	A		
CSC 582A: Topics in Theoretical Computer Science “Quantum Information Theory” (Fall 2023)	T		
CSC 586B Topics in Computer Systems and Software: “Geometric Modelling” (Fall 2023)	T		
CSC 588A: Selected Topics in Data Science “Data Privacy” (Fall 2023)	T		
CSC 578A: Topics in Software Applications “Data Science and Software Engineering” (Summer 2023)	A		
CSC 578B: Topics in Software Applications “Data Compression” (Summer 2023)	A		
CSC586A: Topics in Artificial Intelligence: “Quantum Algorithms and Software Engineering” (Spring 2023)	S		
CSC586B: Topics in Computer Systems and Software: “Designing Creativity Support Tools” (Spring 2023)	S		
CSC586D: Topics in Computer Systems and Software: “Fundamentals of Computer Animation” (Spring 2023)	A		
CSC586C: Topics in Computer Systems and Software: “Formal Methods” (Spring 2023)	S		
CSC581D: Topics in Artificial Intelligence: “Synthesizer Programming” (Spring 2023)	A		
CSC581A: Topics in Artificial Intelligence:	T		

"Introduction to Online Learning" (Spring 2023)			
CSC 578A: Topics in Software Applications: "Crowd Simulation" (Fall 2022)	A		
CSC 578B: Topics in Software Applications: "Data Science for Software Engineering" (Fall 2022)	A		
CSC 578C: Topics in Software Applications: "Computing for Cognitive Augmentation" (Fall 2022)	A		
CSC 586B: Topics in Computer Systems and Software: "Geometric Modeling" (Fall 2022)	T		
CSC 588A: Selected Topics in Data Science: "Differential Privacy" (Fall 2022)	T		