

List of Approved 500-level Area Courses – Fall 2016 and later admits

ANS - Architecture and Networked Systems

SIA - Software and Information Assurance

IIS - Intelligent and Interactive Systems

FoC - Foundations of Computation

DIS - Data and Information Systems

Course Prefix	Course Title	ANS	IIS	DIS	SIA	FoC
CSE 509	Digital Video Processing		X			
CSE 510	Database Management System Implementation			X		
CSE 511	Semi-Structured Data Management			X		
CSE 512	Distributed Database Systems			X		
CSE 515	Multimedia and Web Databases			X		
CSE 520	Computer Architecture II	X				
CSE 522	Real-Time Embedded Systems	X				
CSE 530	Embedded Operating Systems Internals	X				
CSE 531	Distributed and Multiprocessor Operating Systems	X				
CSE 534	Advanced Computer Networks	X				
CSE 535	Mobile Computing	X				
CSE 536	Advanced Operating Systems	X				
CSE 539	Applied Cryptography				X	
CSE 543	Information Assurance and Security				X	
CSE 545	Software Security				X	
CSE 546	Cloud Computing			X		
CSE 548	Advanced Computer Network Security				X	
CSE 550	Combinatorial Algorithms and Intractability					X
CSE 551	Foundations of Algorithms					X
CSE 552	Randomized and Approximation Algorithms					X
CSE 555	Theory of Computation					X
CSE 556	Game Theory with Applications to Networks					X
CSE 561	Modeling and Simulation Theory and Applications				X	
CSE 563	Software Requirements and Specification				X	
CSE 564	Software Design				X	
CSE 565	Software Verification, Validation and Testing				X	
CSE 566	Software Project, Process and Quality Management				X	
CSE 569	Fundamentals of Statistical Learning and Pattern Recognition					X
CSE 570	Advanced Computer Graphics I		X			
CSE 571	Artificial Intelligence		X			
CSE 572	Data Mining			X		
CSE 573	Semantic Web Mining			X		
CSE 574	Planning and Learning Methods in AI		X			
CSE 575	Statistical Machine Learning		X			
CSE 576	Topics in Natural Language Processing		X			
CSE 577	Advanced Geometric Modeling I		X			
CSE 578	Data Visualization		X	X		
CSE 579	Knowledge Representation and Reasoning					X

4XX and 4XX/598 courses do not apply toward the required approved area courses.