

# FALL/SPRING/SUMMER Semester Schedule

## CS Common Course #

CRS	TITLE	CREDIT	SEC	SIZE	FALL	SPR	SUM	FALL	SPR	SUM	FALL	SPR	SUM	FALL	SPR	SUM	FALL	SPR	SUM	FALL	SPR	SUM	
					2012	2013	2013	2014	2014	2014	2015	2015	2015	2016	2016	2016	2017	2017	2017	2017	2018	2018	2018
114	Microcomputer Packages <i>(147 changed Fall 2002)</i>	3	1	55	7	7	x	8	7	x	7	7	x	7	7	x	7	7	x	10	9	x	9
116	Business Use of Computers <i>(146 changed Fall 2002)</i>	4	1	55	7	7	x	8	7	x	7	7	x	8	7	2	6	7	2	moved to business			
122	Program in BASIC	3	1	40	3	3	x	3	3	x	3	3	x	2	2	x		2	x	2	2		2
125	COBOL Programming	3	1	40	x		x	x			x			x						x			
126	FORTRAN Programming	3	1	50																			
159	Computer Science Problem Solving	2	1	40	3	3	x	2	3	x	2	2	x	3	4	C	3	3	x	3	3		3
160	Computer Science I	4	1	40	4	3		4	3		4	3		4	3		4	2		4	3		3
161	Computer Science II	4	1	40	2	2	x	4	3	x	2	4	x	3	3	x	3	3	x	3	3	x	4
172	Intermediate Basic/Visual Basic	3	1	40	x			x			x						2						x
212	Self-Paced C++	1	1	20																			
213	Modern Software Development	3	1	40	2		x	3		x	3		x	3		x	3		x	3			3
214	Self-Paced C	1	1	20																			
222	Discrete Mathematics	3	1	40	x	x		x	x	x	x	x		2	x		x	x		x	x		2
227	Computing Fund. I	3	1	40	x			x			x			x			x			x			x
228	Computer Fundamentals II	3	1	40		x			x			x			x			x			x		
277	Intro to Unix	3	1	20							x			x			x			x			x
312	Intro to Programming Languages	3	1	40							x			x			x			x			x
313	Software Development for Games	3	1	40		2			3			x			3			3			3		
315	System Anal. & Design	3	1	40	x			x			x												
316	System Testing & Maintenance	3	1	40		x			x			x											
335	Theoretical CS I	3	1	40	x			2															
336	Theoretical CS II	3	1	40		x			x			x			x	x		3	x		2	x	

CRS	TITLE	CREDIT	SEC	SIZE	2012	2013	2013	2013	2014	2014	2014	2015	2015	2015	2016	2016	2016	2017	2017	2017	2018	2018	2018	2019	2019
345	Topics in Personal Computers	3	1	40		x			x			x			x			x							
345	Topics in Cloud Computing (prereq CS161)	3	1	40					4																
345	Topics on UAV/Drone Software	3	1	25																		x			
345	Topics on Certified Ethical Hacker	1	1	20																		x			
345	Windows Security Essentials	3	1	30																		x			
366	Files/Database System	3	1	40	x	x		x	x		x			x			2				x			x	
371	Web Scripting Languages	3	1	40		x			x			x			x				x			x			
372	Comparative Languages	3	1	40	2	x	x	2	x	x	x	x	x	x	2	x		x	2	x				x	
373	Assembly Programming	3	1	40	x	x																			
374	Computer Organization	3	1	40	x	x		x	x		x	x		2	x		2	x			2	x		x	
410	Computer Crime and Forensics	3	1	30																				x	
413	Principals of Software Engineering	3	1	30	x			x			x			x			x				x			x	
415	Networking & Parallel Computations (prereq CSCI 313 and CSCI 366)	3	1	30				x		C	x	x		x	x		x	x			x	x		x	
418	Simulation Models	3	1	30				x						x							x				
426	Intro/Artificial Intelligence	3	1	30		x			x			x			x				x			x			
428	Computational Techniques for Environmental Sustainability	3	1	30							x				x							x			
429	Network Applications and Environments	3	1	40																		x			
436	Intelligence Agents	3	1	30																					
445	Software Projects Capstone	3	1	30		x			x			x			x							x			
450	Cloud Computing	3	1	10														x							
453	Linear Program Network	3	1	30							x							x							
454	Operations Research	3	1	30																					
458	Microcomputer Graphics	3	1	30							x									C					
459	Foundations of Computer Networks (Local Area Networks)	3	1	30		x					x			x			2		x		x			x	
460	Dynamic Programming	3	1	30																					
462	Mobile and Wireless Networks	3	1	40																		x			

CRS	TITLE	CREDIT	SEC	SIZE	2012	2013	2013	2013	2014	2014	2014	2015	2015	2015	2016	2016	2016	2017	2017	2017	2017	2018	2018	2018	2018	2019	2019
467	Algorithm Analysis	3	1	30		x			x			x			x			x				x					
469	Network Security	3	1	30				x			x			x								x					
473	Foundations of Digital Enterprise	3	1	30			x			x		x	x						x				x				
474	Operating Systems Conc.	3	1	30	x			x			2			2	x			2	2			2	2	x	x		
475	Operating Systems Des.	3	1	30		x			x																		
476	Computer Forensics	3	1	30																							
477	Object Oriented Systems	3	1	30	x			x			x																
479	Intro/Data Mining	3	1	30	x			x			x			x				x				x					
485	Autonomous Command and AI for Robots	3	1	30																					x		
488	Human Computer Interaction	3	1	30	x			x		x		x		x		x		x		x					x		
489	Social Implications of Comp.	3	1	30		2			2		x	x		x	x			x				x			x		
491	Special Topic/Principals of Cyber Security	3	1	30															x						x		
491	Special Topic/RobotCyberPhysSysAI/Autonomy	3	1	30															x	x							
493	Undergraduate Research/Scientific Research Experience	3	1	20																			x		2		
610	Computer Crime and Forensics	3	1	30																					x		
613	Principals of Software Engineering	3	1	10																							
618	Simulation Models	3	1	10				x						x								x					
628	Computational Techniques for Environmental Sustainability	3	1	30							x				x								x				
636	Intelligent Agents	3	1	10																							
650	Cloud Computing	3	1	10																		x					
653	Linear Program Network	3	1	10								x										x					
654	Operations Res.	3	1	10																							
658	Microcomputer Graphics	3	1	10																							
659	Foundations of Computer Networks ( <i>Local Area Networks</i> )	3	1	10		x					x			x				2		x		x			x		
660	Dynamic Programming	3	1	10																							
662	Mobile and Wireless Networks	3	1	10																			x				





CRS	TITLE	CREDIT	SEC	SIZE	2012	2013	2013	2013	2014	2014	2014	2015	2015	2015	2016	2016	2016	2017	2017	2017	2018	2018	2018	2019	2019
790	Sem/Multi Agent Systems	1	1	10				x																	
790	Sem/Intelligent User Interface	1	1	10											x			x				C			
790	Sem/Image Processing	1	1	10											x										
790	Sem/Advanced Distributed Systems	1	1	10														x				x			
790	Sem/Scientific Research Experience	1	1	10														x				x			
793	Individual Study/Software Projects	3	1	10	x	x		x	x													x			
793	Individual Study/Software Projects 1	3	1	10				x	x																
793	Individual Study/Data Mining Common Trading	3	1	10				x																	
793	Individual Study/Cloud Computing	3	1	10		x																			
793	Individual Study/Brain Computer Interface	3	1	10				x																	
793	Individual Study/Multi Surface Design	3	1	10				x																	
793	Individual Study/Scientific Research Experience	3	1	10														x							
797	Masters Paper	R-3	1	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	
798	Masters Thesis	R-10	1	10	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x			x	
799	Doctoral Dissertation (changed to 899)	R-15	1	10	x	x	x	x	x																
835	Neutral Networks (cross list w/IME)	3	1	30														x							
845	Formal Methods of Software Engineering	3	1	10											x										
846	Development of Distributed Systems	3	1	10							x	2				x			2						
847	Software Complexity Metrics	3	1	10							x	x			2			x				2			
848	Empirical Software Engineering	3	1	10										2				2				x			
858	Bioinformatics Data Mining	3	1	10										x											
859	Computational Methods in Bioinformatics	3	1	10													x							x	
862	Network Flows	3	1	10																					
879	Advanced Data Mining	3	1	10								x													
880	Methods of Optimization	3	1	10																					
885	Topics in Computer Architecture/Adv. Software Testing	3	1	10								x													
899	Doctoral Dissertation	R-15	1	10						x		x	x	x	x	x	x	x	x	x	x			x	

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