CSE - Three-year Course offerings 2/12/2014

CSE Course Cat #	Course Name	Fall 13	Sp 14	Sum 14	Fall 14	Sp 15	Sum 15	Fall 15	Sp 16	Sum 16
1340	Introduction to Computing Concepts	X	X	-	X	X	-	X	X	
1341	Principles of Computer Science	X	X	-	X	X	-	X	X	
1342	Programming Concepts	X	X	-	X	X	-	X	X	
2240	Assembly Language Programming and Machine Org	X	X	-	X	X	-	X	X	
2341	Data Structures	X	X	-	X	X	-	X	X	
2353	Discrete Computational Structures	X	X	-	X	X	-	X	X	
3330	Database Concepts	X	X	-	X	X	-	X	X	
3342	Programming Languages	X	X	-	X	X	-	X	X	
3345	Graphical User Interface Design and Implementatio	X	X	-	X	X	-	X	X	
3353	Fundamentals of Algorithms	X	X	-	X	X	-	X	X	
3365	Introduction to Scientific Computing	X	X	-	X	X	-	X	X	
3381	Digital Logic Design	X	X	-	X	X	-	X	X	
4340	Statistical Methods for Engineers and Applied Scier	X	X	-	X	X	-	X	X	
4344	Computer Networks and Distributed Systems	X	X	-	X	X	-	X	X	
4345	Software Engineering Principles	X	-	-	X	-	-	X	-	
4351	Senior Design I	X	-	-	X	-	-	X	-	
4352	Senior Design II	-	X	-		X	-		X	
4360	Technical Entrepreneurship	X	X	-	X	X	-	X	X	
4381	Digital Computer Design	X	X	-	X	X	-	X	X	
5/7311										
5/7314	Software Testing and Quality Assurance	X	-	-	X	-	-	X	-	
5/7316	Software Requirements	X	-	-	X	-	-	X	-	
5/7317	Leadership for Architecting Software Systems	X	-	-	X	-	-	X	-	
5/7319	Software Architecture and Design	-	X	-	-	X	-	-	X	
5/7320	Artificial Intelligence	-	X	-	-	X	-	-	X	
5/7330	File Organization and Database Management	X	-	-	X	-	-	X	-	
5/7331	An Introduction to Data Mining and Related Topics	-	X	-	X	X	-	-	X	
5/7335	Introduction to Bioinformatics	-	X	-	-	X	-	-	X	
5/7337	Information Retrieval and Web Search	-	X	-	-	X	-	-	X	
5/7338	Security Economics	X	-	-	X			X		
5/7339	Computer System Security	X	-	-	X	-	-	X	-	
5/7340	Service-Oriented Computing									

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CSE Course Cat #	Course Name	Fall 13	Sp 14	Sum 14	Fall 14	Sp 15	Sum 15	Fall 15	Sp 16	Sum 16
5/7341	Compiler Construction	X	-	-	-	-	-			
5/7343	Operating Systems and System Software	X	X	X	X	X	X	X	X	X
5/7344	Computer Networks and Distributed Systems II	-	X	-	-	X	-	-	X	-
5/7345	Advance Application Programming	X	-	-	X	-	-	X	-	-
5/7347	XML and the Enterprise	-	X	-	-	X	-	-	X	-
5/7348	Internetworking Protocols and Programming	-	X	-	-	X	-	-	X	-
5/7349	Data and Network Security	-	X	-	-	X	-	-	X	-
5/7350	Algorithm Engineering	X	-		X	-		X	-	
5/7359	Software Security	-	X	-	-	X	-	-	X	-
5/7369	Hardware Security and Trojan Detection	X	-	-		-		X	-	
5/7380	VLSI Algorithms	-	-	-	-	X	-			
5/7381	Computer Architecture	X	X	-	X	X	-	X	X	-
5/7382	Computer Graphics	-	X	-	-	X	-	-	X	-
5/7385	Microcontroller Architecture and Interfacing	-	X	-	-	X	-	-	X	-
5/7387	Digital Systems Design	X	-	-	X	-	-	X	-	-
5360	Introduction to 3-D Animation	-	X	-	-	X	-	-	X	-
7315	Software Project Planning and Management	-	X	-	-	X	-	-	X	-
8098	Computer Science Seminars	X	X	-	X	X	-	X	X	-
8312	Software Generation and Maintenance	X	-	-	-	-	-	-	-	-
8313	Object-Oriented Analysis and Design	X	-	-	X	-	-	X	-	-
8314	Software Metrics and Quality Engineering	X	-	-	-	-	-	X	-	-
8315	Software Acquisition Legal and Economic Issues	-	-	-	X	-	-		-	-
8316	User Interface Design	-	X	-	-	X	-	-	X	-
8317	Software Reliability and Safety	-	-	-	-	X	-			
8331	Data Mining	-	-	-		-	-	X		
8340	Advabced Topics in Software Engineering	-	X	-		X	-		X	
8343	Advanced Operating Systems	X	-	-	X	-	-	X		
8344	Computer Networks	X	-	-	X	-	-	X		
8349	Advanced Network and System Security	-	X	-	-	X	-		X	
8350	Algorithms II	-	-	-	-	-	-			
8351	Computer Arithmetic	-	X	-	-	X	-		X	
8353	Digital Forensics	x								

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8377	Fault-Tolerant Computation	X	-	-	-	-	-	X		
8381	Quantum Logic and Computing	-	-	-	-	X	-			
8383	Advanced Computer Architecture	-	X	-	-	X	-			
8386	Testing of VLSI Circuits	-	-		X	-				
8389	Foundations of Formal Verification and Validation	-	X	-	-	-	-			