2013-15 (Quarter System) Catalog - Transition Worksheet for Computer Science
Traditional / Main Track (CS - CS)

| **Quarter System Course Requirements** | | **Semester Equivalent Courses** | | |

Term	INTRODUCTORY COURSES (16 units or equivalent)		Course Number		Notes
	CMPS 150 **OR**	Introduction to Unix			CMPS 150 is embedded in CMPS 2010
	CMPS 215	Unix Programming Environment	CMPS	2650	CMPS 215 & 216
	CMPS 221 AND	Programming Fundamentals	CMPS	2010	CMPS 150 + 221 + first part of 222
	CMPS 222	Object-Oriented Programming			
	CMPS 223	Data Structures and Algorithms	CMPS	2020	Second part of CMPS 222 + all of 223. Requires C- or better in CMPS 222

Term	INTERMEDIATE COURSES (55 units or equivalent)		Course Number		Notes
	CMPS 224	Assembly Language Programming	CMPS	2240	
	CMPS 295	Discrete Structures	CMPS	2120	
	CMPS 312	Algorithm Analysis & Design	CMPS	3120	
	CMPS / ECE 320	Digital Circuits	ECE	3200 **OR**	ECE 3200 has ENGR 207 as prereq under semesters.
			CMPS	3140 **OR**	CMPS 3140 and 3640 are new courses that CS students can substitute for Digital Circuits.
			CMPS	3640	
	CMPS 321	Computer Architecture	CMPS	3240	Requires CMPS 224 or ECE 320
	CMPS 335	Software Engineering	CMPS	3350	
	CMPS 342	Database Systems	CMPS	3420	
	CMPS 350	Programming Languages	CMPS	3500	
	CMPS 356	Artificial Intelligence	CMPS	3560	
	CMPS 360	Operating Systems	CMPS	3600	
	CMPS 376	Computer Networks	CMPS	3620	

Term	ADVANCED COURSES (16 units or equivalent)		Course Number		Notes
	CMPS 490A	Senior Project I	CMPS	4910	
	CMPS 490B	Senior Project II	CMPS	4928	GE Capstone course

Term	Choose two 400-level CMPS courses (or CMPS 371 and one 400-level course)		Course Number		Notes
	CMPS		CMPS		
	CMPS		CMPS		

Term	REQUIRED COGNATE COURSES (42 units or equivalent)		Course Number		Notes
	MATH 201 AND	Calculus I (or MATH 231 Calc. I for Eng.)	MATH	2310 or 2510	MATH 201/231 + part of MATH 202/232
	MATH 202	Calculus II (or MATH 232 Calc. II for Eng.)			
	MATH 203	Calculus III (or MATH 233 Calc. III for Eng.)	MATH	2320 or 2520	Rest of MATH 202/232 + most of MATH 203/233
	MATH 330	Linear Algebra (or MATH 230 Linear Alg. & Appl.)	MATH	2610	
	MATH 340	Probability Theory	MATH	3200	
	PHYS 221	Classic Physics I	PHYS	2210	Calc I is now a prereq
	PHYS 222	Classic Physics II	PHYS	2220	Calc II is now a prereq
	PHIL 316	Professional Ethics (GE Theme 2)	PHIL	3318	GE Upper-Division Area C

Note: This is purely an advisory worksheet provided for student convenience during the quarter-to-semester transition. Consult a department advisor if you have questions.