

**2013-15 (Quarter System) Catalog - Transition Worksheet for Computer Science
Computer Information Systems Concentration (CS - CIS)**

Quarter System Course Requirements

Semester Equivalent Courses

Term	INTRODUCTORY COURSES (21 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 211 Internet Programming and Web Design	CMPS 2680	
	CMPS 221 AND Programming Fundamentals		
	CMPS 222 Object-Oriented Programming	CMPS 2010	CMPS 150 + 221 + first part of 222
	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 (50 units or equivalent)	Course Number	Notes
	CMPS 295 Discrete Structures	CMPS 2120	
	CMPS 312 Algorithm Analysis & Design	CMPS 3120	
	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 371 Computer Graphics	CMPS 3480	
	CMPS 376 Computer Networks	CMPS 3620	
	CMPS 394 Client, Server, Internet and Hand-held Device Prog.	CMPS 3390	
Term	ADVANCED COURSES (11 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 one course from CMPS 435, CMPS 442, CMPS 450, CMPS 456, CMPS 460, CMPS 471, CMPS 476	Course Number	Notes
	CMPS	CMPS	
Term	REQUIRED MATHEMATICS COURSES (10 units or equivalent)	Course Number	Notes
	MATH 140 Elementary Statistics (or MATH 201 or higher)	MATH 1209 or 2200	Or Calculus I or higher
	MATH 192 Pre-calculus II (or MATH 201 or higher)	MATH 1040 or 1060	Or Calculus I or higher
Term	ELECTIVE COURSES (20 units or equivalent)	Course Number	Notes
	CMPS	CMPS	
	CMPS	CMPS	
	CMPS	CMPS	
	CMPS	CMPS	
Term	OTHER REQUIRED COURSES (5 units or equivalent)	Course Number	Notes
	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.