

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

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 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 (30 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 350	Programming Languages	CMPS 3500		
	CMPS 360	Operating Systems	CMPS 3600		
	CMPS 376	Computer Networks	CMPS 3620		
Term	ADVANCED COURSES (21 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 at least 15 units from CMPS (215 and 216), 340, 342, 445, 451, 476 or MATH/CMPS 475 (one must be 400-level)		Course Number	Notes	
	CMPS		CMPS		
	CMPS		CMPS		
	CMPS		CMPS		
Term	REQUIRED COGNATE COURSES (30 units or equivalent)		Course Number	Notes	
	MATH 201 AND	Calculus I (or MATH 231 Calculus I for Eng.)	MATH 2310 or 2510	MATH 201/231 + part of MATH 202/232	
	MATH 202	Calculus II (or MATH 232 Calculus II for Eng.)			
	MATH 203	Calculus III (or MATH 233 Calculus 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. & App.)	MATH 2610		
	MATH 340	Probability Theory	MATH 3200		
	PHIL 316	Professional Ethics (GE Theme 2)	PHIL 3318	GE Upper-Division Area C	
Term	GINS COGNATE COURSES (30 units or equivalent)		Course Number	Notes	
	PLSI 304	International Relations (GE Theme 3)	PLSI 3040		
	CRJU 440	Terrorism	CRJU 4340		
Term	Choose one course from GEOL 450 or CRJU 494 or approved GINS Intelligence Analytical Tools course substitution		Course Number	Notes	
Term	Choose at least 15 units from approved GINS Focus Area and Strategic Language courses (see catalog/adviser for list)		Course Number	Notes	

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.