



## Computer Science Roadmaps (2016-18 Catalog)

Computer Science (Computer Information Systems)					Computer Science (Information Security)				
	Fall		Spring			Fall		Spring	
Year 1	CMPS 2010 - CS I	4	CMPS 2020 - CS II	4	Year 1	CMPS 2010 - CS I	4	CMPS 2020 - CS II	4
	MATH 1040 - Precalc	6	MATH 2200 - Stats	4		MATH 2510 - Calc I	4	MATH 2520 - Calc II	4
	A1 - Comm	3	A3 - Logic	3		A1 - Comm	3	A3 - Logic	3
	A2 - Engl	3	C1 - Art/Music	3		A2 - Engl	3	C1 - Art/Music	3
	FYS I	1	FYS II	1		FYS I	1	FYS II	1
		17		15			15		15
Year 2	CMPS 2120 - Discr.	4	CMPS 3350 - Soft.	4	Year 2	CMPS 2120 - Discr.	4	CMPS 2240 - Assem.	4
	CMPS 2680 - Web I	3	CMPS 3680 - Web II	3		MATH 3200 - Prob.	4	CMPS 3350 - Soft.	4
	US Hist	3	Area D	3		US Hist	3	Area D	3
	C2 - Humanities	3	B1 - Phys. Science	3		C2 - Humanities	3	B1 - Phys. Science	3
			Amer. Gov.	3				Amer. Gov.	3
		13		16			14		17
Year 3	CMPS 3120 - Alg	3	CMPS 3390 - Java	4	Year 3	CMPS 3120 - Alg	3	CMPS 3140 - Theory	3
	CMPS 3600 - OS	4	CMPS 3620 - Net	4		CMPS 3600 - OS	4	CMPS 3620 - Net	4
	CIS Elective I	4	CIS Elective III	4		IS Elective I	4	IS Elective II	4
	CIS Elective II	4	JYDR	3		GINS Elective I	3	JYDR	3
	SELF (if needed)	0-3	GWAR (or exam)	0-3		SELF (if needed)	0-3	GWAR (or exam)	0-3
		15-18		15-18			14-17		14-17
Year 4	CMPS 3640 - Parll.	3	CMPS 3500 - Prog.	3	Year 4	CMPS 3640 - Parll.	3	CMPS 3500 - Prog.	3
	CMPS 3420 - Data	4	CMPS 3560 - AI	3		CMPS 3420 - Data	4	IS Elective III	4
	CMPS 4910 - Proj I	2	CMPS 4928 - Proj II	2		CMPS 4910 - Proj I	2	CMPS 4928 - Proj II	2
	PHIL 3318 - Ethics	3	Advanced Elective	4		GINS Elective II	3	GINS Elective III	3
	Add. Units as Needed		Add. Units as Needed			PHIL 3318 - Ethics	3	GINS Analytic Tool	3-4
								Add. Units as Needed	
		12		12			15		15-16
	Total	120				Total	120		
Note:	Students should choose Area A, B, C, D or JYDR courses with a SELF overlay. Otherwise, a stand-alone SELF class will be needed				Note:	Students should choose Area A, B, C, D or JYDR courses with a SELF overlay. Otherwise, a stand-alone SELF class will be needed			