

**Computer Science (Computer Science Concentration) BS/MS Five-year Academic Plan
(150 cr; special rules apply, see advisor)**

1stYear				2ndYear			
Fall		Spring		Fall		Spring	
CS 1000 Explorations in Computing	1	CS 1141 C for Java Programmers	2	CS 2311 Discrete Structures	3	CS 3141 Team Software Project	3
CS 1131 Accel Intro to Programming I	5	CS 2321 Data Structures	3	Free Elective	3	CS 3421 Computer Organization	4
MA 1161 Calculus with Technology I	5	MA 2160 Calculus with Technology II	4	MA 2720 Statistics	4	MA 2330 Linear Algebra	3
UN 1001 Perspectives	3	UN 1002 World Cultures	4	UN 2001 Composition	3	UN 2002 Revisions	3
HASS	3	HASS	3	HASS	3	HASS	3
Co-curricular**	1						
Total (18)		Total (16)		Total (16)		Total (16)	
3rd Year				4th Year			
Fall		Spring		Fall		Spring	
CS 3311 Formal Models of Computing	3	CS 3000 Ethical and Social Aspects of Computing	2	CS 4121 Programming Languages	3	CS 4000-level Elective*	3
CS 3411 Systems Programming	3	CS 4321 Intro to Algorithms	3	CS 4000-level Elective*	3	CS 4000-level Elective*	3
SS Elective***	3	CS 3331 Concurrent Computing	3	Technical Elective*	3	Technical Elective*	3
Technical Elective*	3	MA Elective	3	HU 3120 Tech and Sci Communication	3	Free Elective	4
Lab Science	4	Lab Science	4	Free Elective	4		
Total (16)		Total (15)		Total (16)		Total (13)	

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5th Year			
Fall		Spring	
CS 5321 Advanced Algorithms	3	CS 5311 Theory of Computation	3
CS 4000-level Elective****	3	CS 4000-level Elective****	3
CS 5000-level Elective****	3	CS 5000-level Elective****	3
CS5990 or CS 5000-level Elective****	3	CS5990 or CS 5000-level Elective****	3
Total (12)		Total (12)	

*The Technical Electives for the Computer Science Concentration plus the three 4000-level CS Electives must total at least 18 credits.

**May be moved to another semester.

***Choose from: SS 3510, SS 3511, SS 3520, SS 3530, SS 3630, SS 3640, SS 3800, SS 3801, SS 3810, or HU 3701

****The CS4000 and CS5000-level electives must satisfy the MS breadth requirement.