

BS/MS Sample 5-Year Plan—Thesis Option

Fall 1 CSC 127A CSC 296/296H+ MATH 124/125 ENGL 101 Language	4 1 5/3 3 <u>4/5</u> 15/18	Spring 1 CSC 127B Math 129 ENGL 102 Language Tier I Gen Ed	4 3 3 4/5 <u>3</u> 17/18	
Fall 2 CSC 245 CSC 252 CSC 335 Lab Science Tier I Gen Ed	4 3 4 4/5 <u>3</u> 18/19	Spring 2 CSC 345 CSC 352 CSC 496/496H+ Lab Science Tier I Gen Ed	4 3 1 4/5 <u>3</u> 15/16	
Fall 3 CSC 453 CSC 473 CSC 492+ Tier I Gen Ed Tier II Gen Ed	4 3 2 3 <u>3</u> 15	Spring 3 CSC 425+ CSC 445 CSC 452 CSC 492+ Tier II Gen Ed	3 3 4 2 <u>3</u> 15	
Fall 4 CSC Paradigms CSC 492+ ECE 369+ Tier II Gen Ed Electives (as necessary) Graduate Core	3 2 3 3 0-2 <u>3*</u> 14/16	Spring 4 Graduate Core Graduate Core 600-level CSC course	3 3 <u>3</u> 9*	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Undergraduate degree awarded </div>
Fall 5 Graduate Core Graduate Core Thesis	3 3 <u>3</u> 9	Spring 5 Graduate Core CSC Graduate Elective Thesis	3 3 <u>3</u> 9	<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: auto;"> Graduate degree awarded </div>

+ Encouraged, but not required. Students may substitute with electives.

* Graduate units applied toward undergraduate degree

Students must earn at least 108 units of pure undergraduate credit, with 12 units of graduate credit supplementing to reach 120 units for graduation.

MS requirements

	Course requirements	Transfer courses substituted
6 courses (18 units) with 2,2,1,1, distribution from the core areas		
	Computing Systems	
	525 Principles of Computer Networking	
	547 Green Computing	
	552 Advanced Operating Systems	
	553 Principles of Compilation	
	576 Computer Architecture	
	Theory & Algorithms	
	545 Design and Analysis of Algorithms	
	550 Algorithms in Biology	
	573 Theory of Computation	
	Software Systems	
	520 Principles of Programming Languages	
	522 Parallel and Distributed Programming	
	560 Database Systems Implementation	
	566 Computer Security	
	Applications	
	533 Computer Graphics	
	537 Computational Geometry	
	577 Introduction to Computer Vision	
3 units of Computer Science courses at 600 level		
Non-Thesis Option:		
	9 additional related elective units at 500-level	
	1 unit C SC 695a + 10 colloquia attended	
Thesis Option:		
	3 units elective at 500+ level	
	6 units of 910 (Thesis)	