

BS Computer Science – Theoretical Track 0494
Eight-semester sequence

<i>First Semester</i>	<i>S.H.</i>
CSCI 125 Introduction to Computer Science	3
CSCI 130 Principles of Programming I (Gen Ed)	3
MATH 107 Precalculus (Gen Ed)	4
ENGL 101 College Writing Skills	3
General Education - Core	<u>3</u>
	16
<i>Second Semester</i>	
CSCI 230 Principles of Programming II	3
MATH 211 Analytic Geometry/Calculus I	4
ENGL 102 College Writing/Research	3
General Education - Core	<u>6</u>
	16
<i>Third Semester</i>	
CSCI 330 Object Oriented Programming	3
MATH 212 Analytic Geometry/Calculus II	4
MATH 270 Discrete Mathematics I (Gen Ed)	3
General Education - Core	3
Free Elective	<u>3</u>
	16
<i>Fourth Semester</i>	
CSCI 312 Computer Architecture	3
MATH 370 Discrete Mathematics II (Gen Ed)	3
Science	3
General Education - Core	<u>6</u>
	15
<i>Fifth Semester</i>	
CSCI 385 Algorithms & Data Structures	3
MATH 275 Linear Algebra I	3
CSCI Elective	3
General Education - Distribution	<u>6</u>
	15
<i>Sixth Semester</i>	
CSCI 380 Operating Systems	3
CSCI 408 Software Engineering	3
Science	4
Free Elective	2
General Education - Core	<u>3</u>
	15

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<i>Seventh Semester</i>		S.H.
CSCI 410	Programming Languages	3
CSCI 475	Data Comm. & Networking	3
MATH 300	App Stats/Data Analysis	3
CSCI Elective		<u>3</u>
		12
 <i>Eighth Semester</i>		
CSCI 480	Computer Science Seminar	3
CSCI Elective		6
Free Elective		<u>6</u>
		15
 Note:		
	General Education	49
	Required CSCI Courses	30
	CSCI Electives	12
	Required Mathematics	14
	Required Science	7
	Free Electives	<u>8</u>
		120

(Revised: Dec. 2009; Approved: March 2010)
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