

5-year Graduation road map  
for  
Bachelor of Science in Computer Science

<b>First Year (25 units)</b>	
<b>Fall (11 units)</b>	<b>Spring (14 units)</b>
ENGL 105 Composition and Rhetoric G.E. A1 (3)	Math 151 Calculus II (4)
Math 150 Calculus 1 G.E. B3 (4)	Math 230 Logic G.E. A3 (3)
Comp 150 Object-Oriented Programming G.E. B4 (4)	Comp 151 Data Structures and Program Design (4)
	GE Category A, C, D or E (3)

<b>Second Year (24 units)</b>	
<b>Fall (12 units)</b>	<b>Spring (12 units)</b>
Math 240 Linear Algebra (3)	Math 300 Discrete Mathematics (3)
Comp 162 Comp. Architecture and Assembly Language (3)	Comp 232 Programming Languages (3)
GE Category A, C, D or E (6)	Comp 262 Computer Organization and Architecture (3)
	GE Category A, C, D or E (3)

**Third Year (21-29 units)**

<b>Third Year (21-29 units)</b>	
<b>Fall (12-16 units)</b>	<b>Spring (9-13 units)</b>
Comp 362 Operating Systems (4)	Comp 454 Automata, Languages and Computation (3)
Comp 350 Software Engineering (3)	Second lab science in sequence (3-4)
Physics, Biology or Chemistry (3-4)	GE Category A, C, D or E (3-6)
GE Category A, C, D or E (3-6)	

**Fourth Year (21-24 units)**

<b>Fourth Year (21-24 units)</b>	
<b>Fall (12 units)</b>	<b>Spring (9-12 units)</b>
Math 352 Probability and Statistics (3)	Math 354 Analysis of Algorithms (3)
UDIGE in major (3)	UDIGE outside major (3)
Computer Science Electives (3)	GE (3-6)
GE (3)	

**Fifth Year (19-31 units)**

<b>Fifth Year (19-31 units)</b>
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<b>Fall (10-13 units)</b>	<b>Spring (9-18 units)</b>
Comp 420 Database or Comp 464 Computer Graphics I (3)	Comp 499 Capstone Project (3)
Comp 491 Capstone Preparation (1)	GE Interdisciplinary (0-3)
Computer Science Electives (3-6)	GE (3-6)
GE (3)	Computer Science Electives (3-6)