

## B.S. Computer Science, Related Discipline Concentration

Fall 2018

	Fall		Spring		Summer		
<b>Freshman</b>	CSC 110/107 Computer Science I	4	CSC 111 Computer Science II	4	Min/Maj 1 *	3	
	MAT 211 Calculus 1 <sup>a</sup>	4	MAT 225 Discrete Math	4	Min/Maj 2	3	
	ENG114 WIFYS	3	HCS 100 Intro to Human Communications	3			
	UNIV 101	3	HIS 105 Historical Foundations of Global Cultures	3			
			Gen Ed 1	3			
		<b>14</b>		<b>17</b>	<b>6</b>		<b>37</b>
<b>Sophomore</b>	SWE 200 Design Patterns	4	CSC 310 Design & Analysis of Algorithms	4	Min/Maj 3	3	
	CMPE 220 Computer Organization	4	CMPE 320 Operating Systems	4	Min/Maj 4	3	
	Gen Ed 2	3	Gen Ed 3	3			
	Science I (BIO 161, CHM 121/123, or PHY 205/123)**	4	Science II (BIO 162, CHM 122/124, or PHY 206/125)**	4			
		<b>15</b>		<b>15</b>	<b>6</b>		<b>73</b>
<b>Junior</b>	CSC/SWE/CE/EE 300+ Elective 1***	4	MAT 217 Statistics	4	Min/Maj 7	3	
	MAT 318 Elementary Linear Algebra	3	CSC 371 Database Management	4	Min/Maj 8	3	
	Gen Ed 4	3	CSC 498 Sr. Research I	2			
	Min/Maj 5	3	Gen Ed 5	3			
	Min/Maj 6	3	Gen Ed 6	3			
		<b>16</b>		<b>16</b>	<b>6</b>		<b>111</b>
<b>Senior</b>	CSC/SWE/CE/EE 300+ Elective 2***	4	CSC/SWE/CE/EE 300+ Elective 3***	4			
	CSC 499 Sr. Research II	2	Min/Maj 9	3			
	Gen Ed 7	3	Min/Maj 10	3			
	Gen Ed 8	3	Min/Maj 11	3			
	Gen Ed 9	3	Min.Maj 12	3			
		<b>15</b>		<b>16</b>			<b>142*</b>

\* **Assumptions:** minors will require 124 total credits, double majors will require 142 total credits. These are estimates. Your choice of major or minor will determine the number and timing of additional classes you will need to take. Please talk to your advisor.

\*\* Science I and II must be in the same discipline (So if you take BIO for Science I, you must take BIO for Science II)

\*\*\* One of the Electives must be a group project based course selected from the following: CSC 403, CSC 434, or CSC 451

<sup>a</sup> Students starting with MAT 140B or MAT 175 take MAT 225 in their second or third semester before CSC 310.