

**B.S. Computer Science, Computer Science with Secondary Field Concentration**

Fall 2019

	Fall		Spring		
<b>Freshman</b>	CSC 110 Computer Science I	4	CSC 111 Computer Science II	4	
	MAT 211 Calculus 1 <sup>a</sup>	4	MAT 225 Discrete Math	4	
	ENG114 WIFYS	3	HCS 100 Intro to Human Communications	3	
	UNIV 101	3	HIS 105 Historical Foundations of Global Cultures	3	
		<b>14</b>		<b>14</b>	<b>28</b>
<b>Sophomore</b>	SWE 200 Design Patterns	4	CSC 310 Design & Analysis of Algorithms	4	
	CMPE 220 Computer Organization	4	CMPE 320 Operating Systems	4	
	Gen Ed 1	3	Gen Ed 2	3	
	Lab Science I **	4	Lab Science II **	3/4	
		<b>15</b>		<b>14/15</b>	<b>57/58</b>
<b>Junior</b>	CSC/SWE/CE/EE 300+ Elective 1****	4	MAT 217 Statistics ***	4	
	MAT 318 Elementary Linear Algebra	3	Gen Ed 3	3	
	CSC 410 Theory of Computing/Gen Ed 7*****	4/3	CSC 498 Sr. Research I	2	
	Minor 1*	3	Gen Ed 4	3	
	Minor 2	3	Minor 3	3	
		<b>17/16</b>		<b>15</b>	<b>89</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	Gen Ed 6	3	
	Gen Ed 7/CSC 410 Theory of Computing *****	3/4	Minor 5	3	
	Minor 3	4	Minor 6	3	
	Minor 4	3	Minor 7	3	
		<b>15/16</b>		<b>16</b>	<b>120/121</b>

\* **Assumptions:** Most minors are about 20-24 credits (a math minor is only about 6-8 additional credits), a second major 30-40 credits. Please talk to your advisor.

\*\* Options: BIO 161, BIO 162, CHM 121/125, CHM 122/126, ESS 110, PHY 205/123, or PHY 206/125.

\*\*\* You also have the option to take MAT 375 which is taught only in the spring.

\*\*\*\* One of the Electives must be a group project based course selected from the following: CSC 371, CSC 361, CSC 403, or CSC434

\*\*\*\*\* CSC 410 is only offered during Odd academic years (e.g. 2019 AY, 2021 AY, etc...).

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