B.S. Computer Science, Graphics and Gaming Concentration

Fall 2023

	Fall		Spring		
Freshman	CSC 110 Computer Science I	4	CSC 111 Computer Science II	4	
	MAT 211 Calculus 1[a]	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	
		14		**14**	28
Sophomore	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	
		15		**14/15**	57/58
Junior (Even AY)*	MAT 318 Elementary Linear Algebra	3	MAT 217 Statistics ***	4	
	CSC 361 Video Game Programming	4	CSC 498 Sr. Research 1	2	
	CSC 431 Computer Networks	4	Gen Ed 5	3	
	Gen Ed 3	3	Gen Ed 6	3	
	Gen Ed 4	3	Gen Ed 7	3	
		17		**15**	89/90
Senior (Odd AY)**	CSC 350 Intro. to Computer Graphics	4	CSC/SWE/CMPE/EE 300+ Elective	4/3	
	CSC 410 Theory of Computing	3	Interdisciplinary Elective	3	
	CSC 499 Sr. Research II	2	Free Elective 3	4	
	Free Elective 1	4	Free Elective 4*****	4	
	Free Elective 2	3			
		16		**15/14**	120
Junior (Odd AY)*	CSC 350 Intro. to Computer Graphics	4	MAT 318 Elementary Linear Algebra	3	
	CSC 410 Theory of Computing	3	CSC 498 Sr. Research I	2	
	MAT 217 Statistics ***	4	Gen Ed 5	3	
	Gen Ed 3	3	Gen Ed 6	3	
	Gen Ed 4	3	Free Elective 1	4	
		17		**15**	89/90
Senior (Even AY)**	CSC 361 Video Game Programming	4	CSC/SWE/CMPE/EE Elective 300+	4/3	
	CSC 499 Sr. Research II	2	Interdisciplinary Elective	3	
	CSC 431 Computer Networks	4	Free Elective 3	4	
	Gen Ed 7	3	Free Elective 4*****	4	
	Free Elective 2	3			
		16		**15/14**	120

* (Even AY) Academic years that have an even fall: 2022-2023, 2024-2025, 2026-2027

** (Odd AY): Academic years that have an odd fall: 2021-2022, 2023-2024, 2025-2026

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

**** Options: BIO 161, BIO 162, CHM 121/125, CHM 122/126, ESS 110, PHY 205/124, or PHY 206/126.

*****Number of Free Electives dependent on major requirements that also count under General Education.

[a] Students starting with MAT 140B or MAT 175 take MAT 225 in their second or third semester before CSC 310. These math classes replace Free Electives.