

**The College at Brockport, State University of New York
Computer Science Major (Software Development Track)
Meets Current General Education and Mathematics Minor Requirements**

Year Semester	Course (Dept., Number, Title)	Category (credit hours)					
		Computer Science Fundamental	Computer Science Advanced	Mathematics	Science	General Education	Other
Fall Freshman Year (16 credits)	GEP 100 Academic Planning Seminar						1
	ENL 112 College Composition					3	
	Social Science I					3	
	MTH 122 Pre-calculus						3
	CSC 120 Introduction to Computer Science						3
	Free Elective						3
Spring Freshman Year (14 credits)	Fine Arts 1 (F)					3	
	MTH 201 Calculus I			4			
	MTH 281 Discrete Mathematics I			3			
	CSC 203 Fundamentals of Computer Science I	4					
Fall Sophomore Year (16 credits)	Humanities I (H)					3	
	Laboratory Science (L)				4		
	MTH 202 Calculus II			4			
	CSC 205 Fundamentals of Computer Science II	4					
	CSC 209 UNIX Tools	1					
Spring Sophomore Year (14 credits)	Free Elective						1
	Natural Science (N)				3		
	MTH 481 Discrete Mathematics II			3			
	CSC 303 Digital Logic and Computer Design	3					
	CSC 311 Computer Organization and Software Interface	4					
SUBTOTALS		16	0	14	7	12	11

Students may receive transfer and AP exam credits that meet some of the requirements. Students may also receive waivers from some prerequisites. Waivers do not imply allocation of credits.

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		Computer Science Fundamental	Computer Science Advanced	Mathematics	Science	General Education	Other
Fall Junior Year (15 credits)	Foreign Language 1					3	
	MTH 346 Probability and Statistics I			3			
	CSC 401 Programming Languages	1	2				
	CSC Elective 1 *	1-0	2-3				
	Free Elective 1						3
Spring Junior Year (15 credits)	Humanities II (H)					3	
	Contemporary Issues (I)					3	
	CSC 406 Algorithms and Data Structures		3				
	CSC Elective 2 *	1-0	2-3				
	Free Elective 2						3
Fall Senior Year (15 credits)	Social Science II (S and (D or O))					3	
	CSC 411 Computer Architecture		3				
	CSC 486 Junior/Senior Seminar (Y)						3
	CSC Elective 3 *	1-0	2-3				
	Free Elective 3						3
Spring Senior Year (15 credits)	Fine Arts 2 (P)					3	
	Perspectives on Women (W)					3	
	Mathematics Elective (completes a minor)			3			
	CSC Elective 4 *	1-0	2-3				
	Free Elective 4						3
SUBTOTALS		5-1	16-20	6	0	18	15
TOTALS		21-17	16-20	20	7	30	26

A course carrying multiple codes will satisfy several general education requirements. It is recommended that students ensure that a minimum of 30 credits are completed in the general education category. Students should take note of restrictions that apply to general education courses, science courses, mathematics courses, and CSC electives.

* The split of three credits between core and advanced components depends on the specific elective chosen.