Year	Term	Course	Title	Credit	Prerequisite	Co-requisite
Year 1	Fall	CART 211	Creative Computing and Network Culture	3.00		
		CART 214	Visual Form and Communication	3.00		
		COMP 232	Mathematics for Computer Science	3.00	MATH 203, 204	
		COMP 248	Object-Oriented Programming I	3.50		MATH 204
		FFAR 248	Keywords: Reading the Arts Across the Disciplines	6.00		
	Winter	CART 212	Digital Media Studio I	3.00	CART 211	
		COMP 228	System Hardware	3.00	COMP 248	MATH 203, 204
		COMP 233	Probability and Statistics for Computer Science	3.00	MATH 205	
		COMP 249	Object-Oriented Programming II	3.50	COMP 248; MATH 203	MATH 205
		FFAR 249	Keywords: Reading the Arts Across the Disciplines		FFAR 248	
Year 2	Fall	CART 210	New Media Theory	3.00		
		COMP 345	Advanced Program Design with C++	4.00		COMP 352
		COMP 348	Principles of Programming Languages	3.00		COMP 249
		COMP 352	Data Structures and Algorithms	3.00	COMP 249	COMP 232
			Computation Arts Elective*			
	Winter	CART 310	Interaction Design Studio	3.00	CART 210 or written permission of the Department	
		COMP 335	Introduction to Theoretical Computer Science	3.00	COMP 232 or COEN 231; COMP 249 or COEN 244	
		COMP 346	Operating Systems	4.00	COMP 228 or SOEN 228; COMP 352	
		ENCS 282	Technical Writing and Communication	3.00	Students must pass the Engineering Writing Test (EWT), or pass ENCS 272 with a grade of C- or higher	
Year 3	Fall	CART 410	Research-Creation in the Computation Arts	3.00	CART 210, 310 OR written permission of the Department of Design and Computation Arts	
		COMP 354	Introduction to Software Engineering	4.00	COMP 352; ENCS 282	
			Computation Arts Elective*			
	Winter	COMP 371	Computer Graphics	4.00	COMP 232 or COEN 231; COMP 352 or COEN 352	
		ENGR 411	Special Technical Report	1.00	ENCS 282; Written permission of the Department	
			Computation Arts Elective*			

*Please note, only core courses are listed and not all electives are assigned a row in the sequence.

For the list of electives which students must complete, please consult section 81.90.2 of the Undergraduate Calendar.

Students in the Bachelor of Computer Science should follow the academic calendar for the year to which they have been admitted/readmitted.

To be considered full-time, students must register for a minimum of 12 credits per term.

Computer Science – Computation Arts Co-op

Year	Term	Course	Title	Credit	Prerequisite	Co-requisite
Year 1	Fall	CART 211	Creative Computing and Network Culture	3.00		
		CART 214	Visual Form and Communication	3.00		
		COMP 232	Mathematics for Computer Science	3.00	MATH 203, 204	
		COMP 248	Object-Oriented Programming I	3.50		MATH 204
		FFAR 248	Keywords: Reading the Arts Across the Disciplines	6.00		
	Winter	CART 212	Digital Media Studio I	3.00	CART 211	
		CART 210	New Media Theory	3.00		
		COMP 228	System Hardware	3.00	COMP 248	MATH 203, 204
		COMP 249	Object-Oriented Programming II	3.50	COMP 248; MATH 203	MATH 205
		FFAR 249	Keywords: Reading the Arts Across the Disciplines		FFAR 248	
	Summer	COMP 233	Probability and Statistics for Computer Science	3.00	MATH 205	
		COMP 348	Principles of Programming Languages	3.00		COMP 249
		COMP 352	Data Structures and Algorithms	3.00	COMP 249	COMP 232
		ENCS 282	Technical Writing and Communication	3.00	Students must pass the Engineering Writing Test (EWT), or pass ENCS 272 with a grade of C- or higher	
Year 2	Fall	Work Term 1				
	Winter	CART 310	Interaction Design Studio	3.00	CART 210 or written permission of the Department	
		COMP 346	Operating Systems	4.00	COMP 228 or SOEN 228; COMP 352	
		COMP 354	Introduction to Software Engineering	4.00	COMP 352, ENCS 282	
			Computation Arts Elective*			
	Summer	Work Term 2				
Year 3	Fall	CART 410	Research-Creation in the Computation Arts	3.00	CART 210, CART 310 OR written permission of the Department of Design and Computation Arts	
		COMP 345	Advanced Program Design with C++	4.00		COMP 352
			Computation Arts Elective*			
	Winter	Work Term 3				
	Summer	COMP 335	Introduction to Theoretical Computer Science	3.00	COMP 232 or COEN 231; COMP 249 or COEN 244	
		COMP 371	Computer Graphics	4.00	COMP 232 or COEN 231; COMP 352 or COEN 352	
		ENGR 411	Special Technical Report	1.00	ENCS 282; Written permission of the Department	

*Please note, only core courses are listed and not all electives are assigned a row in the sequence.

For the list of electives which students must complete, please consult section 81.90.2 of the Undergraduate Calendar.

Students in the Bachelor of Computer Science should follow the academic calendar for the year to which they have been admitted/readmitted.

To be considered full-time, students must register for a minimum of 12 credits per term.