Course #	Onondaga Community College Computer Science Course Title	Credits	Course #	SUNY Polytechnic Computer Science Equivalent Course Title	Credits
Course #	**Course Title**	**Credits**	**Course #**	**Equivalent Course Title**	**Credits**
Year One- Fall			Year One- Fall		
ENG 103	Freshman Composition and Literature I	3	ENG 101	Freshman Composition	3
MAT 161	Calculus I	4	MAT 151	Calculus I	4
COM 210	Public Speaking	3	COM 200	Prin Speech Comm Public Spkng	3
COM 100	Introduction to Communication	3	COM 300	Oral Communication	3
CSC 109	Algorithm Development	1	CSC 000	Computer Science Elective	1
CSC 111	Fundamentals of Computing	4	CS 108	Computing Fundamentals	4
Year One-Spring					
ENG 104	Freshman Composition and Literature II	3	HUM 001	Gen Ed Humanities/Transfer	3
MAT 162	Calculus II	4	MAT 152	Calculus II	4
MAT 251	Discrete Mathematics	3	MAT 115	Finite Math For Computer Sci	3
CSC 112	Fundamentals of Computing II	4	CS 240	Data Structures & Algorithms	4
	SUNY Gen. Ed. Elective	3		SUNY Gen. Ed. Elective	4
	SUNY Gen. Ed. Elective	3		SUNY Gen. Ed. Elective	4
Year Two- Fall					
CSC 211	Computer System Organization	4	CS 220	Computer Organization	4
CSC 264	Java Programming	4	CS 249	Object Oriented Programming	4
BIO 151 or PHY 103	SUNY Gen. Ed. Natural Sciences with Lab Sequence I	4	BIO 103 or PHY 101	Gen Ed & CS Natural Science	4
PHI 107	Logic	3	HUM 001	Gen Ed Humanities/Transfer	3
Year Two- Spring					
	SUNY Gen. Ed. Elective	3		SUNY Gen. Ed. Elective	4
BIO 152 or PHY 105	SUNY Gen. Ed. Natural Sciences with Lab Sequence II	4	BIO 104 or PHY 201	Gen Ed & CS Natural Science	4
	CSC Elective	3-4	CSC 000	Computer Science Elective	3-4
	General Elective	3		Unrestricted Elective	3
	CSC/CIS/CFS course if needed for 61 credit minimum	3-4	CSC 000	Computer Science Elective	3-4
Year Three-Fall					
			CS 330	Operating Systems and Networking	4
			CS 350	Information and Knowledge Management	4
				CS Mathematics Elective	4
				Unrestricted Elective	4
Year Three-Spring					
			CS 431	Principles of Programming Languages	4
			COM 308, COM 311,	Upper Division Writing	4
				CS Advanced Elective	4
				Unrestricted Elective	4
Year Four- Fall					
			CS 370	Software Engineering	4
				CS Advanced Elective	4
				CS Elective	4
				Unrestricted Elective	4
Year Four-Spring					
			CS 498	Capstone Project	2
				CS Advanced Elective	4
				CS Elective	4
				Unrestricted Elective	4
		62		Total Transfer Applied	62
				Total Remaining at SUNY POLY	62
				Total for Bachelors	124

SUNY Poly Reccomends PHY 103 as the natural science elective