

Hudson Valley Community College Computer Information Systems, A.S.			SUNY Polytechnic- Utica Computer Science		
Course #	Course Title	Credits	Course #	Equivalent Course Title	Credits Accepted
FORM 104	College Forum	1	ELEC000	General Elective	1
CISS100	Introduction to Computing and Information Sciences	4	ELEC000	General Elective	4
CISS110	Programming & Logic I (only if taught in C or C++)	4	ELEC000	General Elective	4
ENGL 101	English Composition I	3	ENG 101	First Year Composition	3
MATH180	Calculus I	4	MAT 151	Calculus I	4
CISS111	Programming & Logic II	4	CS240	Data Structures	4
	History Elective	3		History Elective	3
MATH181	Calculus II	4	MAT 152	Calculus II	4
	Natural Science Elective	4		Natural Science Elective	4
ENGL 102	English Composition II	4	HUM 001	Humanities General Education	4
CISS210	Information Systems Analysis and Design	4	IS320	Systems Analysis and Design	4
MATH183	Discrete Mathematics	4	MAT115	Finite Mathematics	4
CISS250	Database Management Systems	4	IS325	Database Management Systems	4
	Natural Science Elective	4		Natural Science Elective	4
	Social Science Elective	3		Social Science Elective	3
CISS280	Assembly Language & Computer Architecture	4	CS220	Computer Organization	4
	Humanities Elective	3		Humanities Elective	3
CISS241	Advanced Java Programming	4	CS249	Object Oriented Programming	4
	History Elective	3		History Elective	3
	LAS/Gen Ed Elective	3		LAS/Gen Ed Elective	3
			CS 330	Operating Systems & Networking	4
			CS350	Information & Knowledge Management	4
				Restricted Math	4
			CS 108	Computing Fundamentals	4
			CS 370	Software Engineering	4
				Advanced CS Elective	4
				Upper Division Writing	4
			CS 431	Principles of Programming Languages	4
				Advanced CS Elective	4
				General Elective	4
				Advanced CS Elective	4
				General Elective	4
				General Elective	4
			CS 498	Capstone	2
Total Credits		67		Total Credits Transferred	67
				Total Remaining at SUNY POLY	54
				Total for Bachelors	125
For Natural Science SUNY Poly recommends choosing from:					
BIO 190 Biology 1 Lecture/Lab					
BIO 191 Biology 2 Lecture/Lab					
BIO 230 Anatomy and Physiology 1 Lecture/Lab					
BIO 234 Anatomy and Physiology 2 Lecture/Lab					