Dutchess Community College Computer Science A.S.						University at Albany Computer Science B.A.				
Course #	**Course Title**	**SUNY Gen Ed**	**Major or Pathway**	**Credits Granted**		**Course #**	**Equivalent Course Title**	**SUNY Gen Ed**	**Major or Pathway**	**Credits Accepted**
BHS 103	Social Problems in Today's World	X		3		ASOC 180	Social Problems	X		3
CIS 227	Assembler Language Programming			3		ICSI 010	Computer Science Elective			3
CLP 101	Career Exploration and Planning (1)			3		ECPY 204	Principles of Career and Life Planning			3
CPS 141	Introduction to Computer Science Programming		X	4		ICSI 201	Introduction to Computer Science		X	4
CPS 142	Advanced Programming Techniques			3		ICSI 010	Computer Science Elective			3
CPS 231	Data Structures		X	3		ICSI 213	Data Structures		X	3
ENG 101	English Composition	X		3		AENG 100Z	Introduction to Analytical Writing	X		3
ENG 102	English Composition II	X		3		AENG 010Z	English Elective	X		3
MAT 214 or MAT 215	Discrete Mathematics Linear Algebra	X		3		AMAT 299 or AMAT 220	Introduction to Proofs Linear Algebra	X		3
MAT 221	Calculus I (2)	X	X	4		AMAT 112	Calculus I	X	X	4
MAT 222	Calculus II (2)	X	X	4		AMAT 113	Calculus II	X	X	4
MAT 223	Calculus III (Suggested Elective course) (2)	X	X	4		AMAT 214	Calculus of Several Variables	X	X	4
WFE 101	Lifetime Wellness and Fitness			3		DPEC 030	Physical Education Elective			3
	American History	X		3			History Elective	X		3
	Elective			7			General Elective			7
	Free Elective			3-4			General Elective			3-4
	General Education Elective (3)	X		6			SUNY Gen. Ed. Elective	X		6
	Science Elective	X		4			Science Elective	X		4
						Total Credits Eligible for Transfer				**66-67**
						Additional Required and Elective Courses for the Major at UAlbany				
							Challenges of the 21st Century	X	X	3
						AMAT 367	Discrete Probability		X	3
						ICSI 210	Discrete Structures		X	4
						ICSI 404	Computer Organization		X	3
						ICSI 311 or ICSI 405	Principles of Programming Languages Object Oriented Programming Principles and Practice		X	3
						ICSI 333	Programming at the Hardware Software Interface		X	4
							Intensive Software Development Elective (4)		X	3
							Computer Science Elective (5)		X	6
							Elective Credits Required for Degree Completion		X	1-7
						Minor	A Minor is required at UAlbany		X	18-24
	Total credits required for degree completion at SUNY Dutchess			**66-67**			Total Credits Required at UAlbany			**54**
							Total Transfer Credits Applied to Program			**66**
							Total Credits Required for Degree			**120**

(1)This is recommended because CPS 100 does not transfer in for credit.
(2)This course is suggested because it meets a requirement for the major at UAlbany upon transfer.
(3)Students will must select a course that meets one of the following General Education Requirements: American History, Western Civilizations, Other World Civilizations, The Arts, or Foreign Languages.
(4)Students will select either ICSI 402, ICSI 418, or another course with intensive software development as approved by the department.
(5)Students will take two courses numbers ICSI 400-470 or ICSI 500-550, or courses specifically approved by the department.

A transfer student admitted to the University at Albany who has completed his/her A.A. or A.S. degree will be given credit for meeting SUNY's General Education requirements.