Dutchess Community College Computer Science A.S.					University at Albany Computer Science B.S. (Combined Major/Minor)				
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 221	Calculus I (2)	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 215	Linear Algebra (2)	X	X	3	AMAT 220	Linear Algebra	X	X	3
MAT 222	Calculus II (2)	X	X	4	AMAT 113	Calculus II	X	X	4
MAT 223	Calculus III (Suggested Elective course) (1)	X	X	4	AMAT 214	Calculus of Several Variables	X	X	4
PHY 151	Engineering Physics I (Suggested Science Elective) (2)	X	X	4	APHY 140/145	Physics I:Mechanics/Lab	X	X	4
PHY 152	Engineering Physics II (Suggested Elective) (2)	X	X	4	APHY 150/155	Physics II: Electromagnetism/Lab	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			3		General Elective			3
	Free Elective			3		General Elective			3
	General Education Elective (3)	X		6		SUNY Gen. Ed. Elective	X		6
					Total Credits Eligible for Transfer				**66**
					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 300Z	Social, Security, and Privacy Implications of Computing		X	3
					ICSI 311	Principles of Programming Languages		X	3
					ICSI 333	Programming at the Hardware Software Interface		X	4
					ICSI 402	Systems Programming		X	3
					ICSI 403	Algorithms and Data Structures		X	3
					ICSI 404	Computer Organization		X	3
					ICSI 409	Automata and Formal Languages		X	3
						Science Sequence (4)		X	6
						Computer Science Elective (5)		X	6-9
						Elective Credits Required for Degree Completion		X	7-10
	Total credits required for degree completion at SUNY Dutchess			**66**		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 take one pair of related biological, physical, or engineering science courses (not mathematics or computer science) as approved by the department.
(5)Students will complete 6-9 credits from courses numbered ICSI 300-470, ICSI 500-550, or specially approved. 3 credits may be in APHY/ICEN 353, APHY 454, or APHI 432.

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.