SUNY Adirondack 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
CIS 143	Introduction to Programming		X	3	ICSI 201	Introduction to Computer Science		X	3
CIS 144	Intermediate Programming in a Windows Environment			3	ICSI 010	Computer Science Elective			3
CIS 150	Topics in Computing			3	ICSI 010	Computer Science Elective			3
CIS 243	Data Structures and Objects in C++			4	ICSI 010	Computer Science Elective			4
CIS 244	Computer Systems and Programming		X	3	ICSI 333	Programming at the Hardware Software Interface		X	3
EGR 105	Engineering Physics I (Suggested SUNY Gen. Ed. Natural Science with Lab)	X	X	4	APHY 140/145	Physics I: Mechanics/Lab	X	X	4
EGR 106	Engineering Physics II (Suggested Elective)	X	X	4	APHY 150/155	Physics II: Electromagnetism/Lab	X	X	4
ENG 101	Introduction to College Writing	X		3	AENG 010Z	English Elective	X		3
MAT 129	Discrete Mathematics			3	AMAT 010	Mathematics Elective			3
MAT 131	Calculus I	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 132	Calculus II (Suggested SUNY Gen. Ed. Mathematics)	X	X	4	AMAT 113	Calculus II	X	X	4
MAT 220	Linear Algebra (Computer Science or Mathematics Elective)		X	3	AMAT 220	Linear Algebra		X	3
	SUNY Gen. Ed. American History	X		3		SUNY Gen. Ed. American History	X		3
	SUNY Gen. Ed. The Arts, Foreign Language or Humanities	X		3		SUNY Gen. Ed. The Arts, Foreign Language or Humanities	X		3
	SUNY Gen. Ed. Basic Communication	X		3		SUNY Gen. Ed. Basic Communication	X		3
	SUNY Gen. Ed. Social Science	X		3		SUNY Gen. Ed. Social Science	X		3
	SUNY Gen. Ed. Western Civilization	X		3		SUNY Gen. Ed. Western Civilization	X		3
	Health and Wellness Elective			2		General Elective Credits			2
	Liberal Arts Electives (at least 2 credits must be from SUNY Gen. Ed. Areas)			6		Liberal Arts Electives			6
HRD 110	Freshmen Experience*			1		No Credit Transferred			0
					Additional Required and Elective Courses for the Major at UAlbany				
						Challenges of the 21st Century	X	X	3
					ICSI 210	Discrete Structures		X	4
					ICSI 300Z	Social, Security, and Privacy Implications of Computing		X	3
					ICSI 310	Data Structures		X	3
					ICSI 311	Principles of Programming Languages		X	3
					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
					AMAT 214**	Calculus of Several Variables		X	3
					AMAT 367	Discrete Probability		X	3
						Science Sequence***		X	6
						Computer Science Major Elective****		X	9
						Elective credits required for Degree Completion		X	7
		Total Credits Eligble for Transfer		64			Total Transfer Credits Applied to Program		64

*The University at Albany does not currently accept transfer credit for Freshmen Experience courses.
**Students may take AMAT 214 or 3 credits or any AMAT course numbered 300-level or above.
*** Select an approved pair: ABIO 120 and 121; APHY 240 and 250; APHY 353, APHY 415, and 454 (only select two)
****6-9 credits must be ICSI 300-470 or 500-550. 0-3 credits may be AHPY 353 or APHY 454 in digital hardware, or APHI 432 in advanced logic.

Total Credits Required after Transfer	56
Total Credits Required for Degree	120

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.