

SUNY Adirondack Liberal Arts and Sciences: Mathematics and Science A.S.					University at Albany Physics B.S.				
Course #	Course Title	SUNY Gen Ed	Major or Pathway	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Major or Pathway	Credits Accepted
CHM 111	General Chemistry I (Mathematics/Science Core)	X	X	4	ACHM 120/124	General Chemistry II/Lab	X	X	4
CHM 112	General Chemistry II (Mathematics/Science Core)		X	4	ACHM 121/125	General Chemistry III/Lab		X	4
CIS 143	Introduction to Programming (Mathematics/Science Core)		X	3	ICSI 201	Introduction to Computer Science		X	3
EGR 105	Engineering Physics I (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 010	English Elective	X		3
MAT 131	Calculus I (Suggested SUNY Gen. Ed. Mathematics)	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 132	Calculus II (Mathematics/Science Core)		X	4	AMAT 113	Calculus II		X	4
MAT 220	Linear Algebra (Mathematics/Science Core)		X	3	AMAT 220	Linear Algebra		X	3
MAT 231	Calculus III (Mathematics/Science Core)		X	4	AMAT 214	Calculus of Several Variables		X	4
	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			6		Liberal Arts Electives			6
	Elective Credits			3		Elective Credits			3
HRD 110	Freshmen Experience*			1		No Credit Transferred			0
					Additional Required and Elective Courses for the Major at UAlbany				
						Challenges of the 21 st Century	X	X	3
					APHY 240/245	Physics III: Structure of Matter/Lab		X	4
					APHY 235	Mathematics in Physics		X	3
					APHY 320	Classical Mechanics		X	3
					APHY 335Z	Advanced Physics Lab		X	3
					APHY 340	Electromagnetism I		X	3
					APHY 350	Electromagnetism II: Optics		X	3
					APHY 440	Quantum Physics I		X	3
					APHY 450	Quantum Physics II		X	3
					APHY 460	Thermodynamics and Statistics Physics		X	3
						Physics Elective 300-level or above		X	3
						Elective credits required for Degree Completion		X	0-5
					Minor	A Minor is required at UAlbany		X	18-24
				Total Credits eligible for Transfer	63				
					Total Transfer Credits Applied to Program				63
					Total Credits Required after Transfer				57-58
					Total Credits Required for Degree				120-121

*The University at Albany does not accept transfer credit for Freshmen Experience courses at this time.

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.