

Dutchess Community College Liberal Arts and Sciences – Sciences A.S.					University at Albany Physics 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
CHE 121	General Chemistry I (Suggested Science Course) (1)	X	X	4	ACHM 120/124	General Chemistry I/Lab	X	X	4
CHE 122	General Chemistry II (Suggested Elective/Free Elective) (1)	X	X	4	ACHM 121/125	General Chemistry II/Lab	X	X	4
CPS 141	Introduction to Computer Science (Suggested Elective/Free Elective) (1)		X	4	ICSI 201	Introduction to Computer Science		X	4
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 215	Introduction to Linear Algebra (Suggested Elective/Free Elective) (1)	X	X	3	AMAT 220	Linear Algebra	X	X	3
MAT 221	Analytical Geometry and Calculus I (Suggested Math) (1)	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 222	Calculus II (Suggested Elective/Free Elective) (1)	X	X	4	AMAT 113	Calculus II	X	X	4
MAT 223	Calculus III (Suggested Elective/Free Elective) (1)	X	X	4	AMAT 214	Calculus of Several Variables	X	X	4
PHY 151	Engineering Physics I (Suggested Science Course) (1)	X	X	4	APHY 140/145	Physics I: Mechanics/Lab	X	X	4
PHY 152	Engineering Physics II (Suggested Science Course) (1)	X	X	4	APHY 150/155	Physics II: Electromagnetism/Lab	X	X	4
PHY 251	Engineering Physics III (Suggested Science Course) (1)	X	X	4	APHY 240/245	Physics III: Structure of Matter/Lab	X	X	4
SCI 100	Science Introductory Seminar			1	NOCR	No Credit Transferred			0
WFE 101	Lifetime Wellness and Fitness			3	DPEC 030	Physical Education Elective			3
	American History Electives/Free Electives	X		3		History Elective	X		3
	General Education Elective (2)	X		3		General Electives			3
	Humanities (3)	X		3		General Education Elective	X		3
	Social Science (4)			3		Humanities Elective	X		3
						Social Science Elective			3
					Total Credits Eligible for Transfer				
					Additional Required and Elective Courses for the Major at UAlbany				
						Challenges of the 21 st Century	X	X	3
						Mathematics in Physics		X	3
						APHY 235		X	4
						APHY 250		X	3
						APHY 320		X	3
						APHY 335Z		X	3
						APHY 340		X	3
						APHY 350		X	3
						APHY 440		X	3
						APHY 450		X	3
						APHY 460		X	3
						Physics Elective(5)		X	3
						Elective Credits Required for Degree Completion		X	0-5
					Minor	A Minor is required at UAlbany		X	18-24
Total credits required for degree completion at SUNY Dutchess					Total Credits Required at UAlbany				
64					57-58				
					Total Transfer Credits Applied to Program				
					63				
					Total Credits Required for Degree				
					120-121				

- (1) This course is suggested because it meets a requirement for the major at UAlbany upon transfer.
(2) General Education electives should be selected from courses listed in General Education Appendices D, E, F, and I. Students may select a course from Appendix D only if HIS 104 has not been previously taken. Students may select from Appendix F only if HIS 108 has not been previously taken.
(3) Humanities courses should be selected from the applicable area of the General Education Appendices. Students may not use ENG 102 to satisfy this requirement.
(4) Social Science courses should be selected from one of the applicable areas: behavioral science, economics, geography, government, history, HE 101, or psychology. Students may not use BHS 103 to satisfy this requirement.
(5) Physics electives must be at the 300-level or above.

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.