

Dutchess Community College Liberal Arts and Sciences – Science A.S.					University at Albany Atmospheric 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
CHE 121	General Chemistry I(Suggested Science Elective) (1)	X	X	4	ACHM 120/124	General Chemistry I/Lab	X	X	4
CHE 122	General Chemistry II (Suggested Science Elective) (1)	X		4	ACHM 121/125	General Chemistry II/Lab	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 221	Calculus I (Math)	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 222	Calculus II (Suggested Elective course) (1)	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
MAT 224	Differential Equations (Suggested Elective course) (1)	X	X	4	AMAT 311	Ordinary Differential Equations	X	X	4
PHY 151	Engineering Physics I (Suggested Science Elective) (1)	X	X	4	APHY 140/145	Physics I:Mechanics/Lab	X	X	4
PHY 152	Engineering Physics II (Suggested Science Elective) (1)	X	X	4	APHY 150/155	Physics II: Electromagnetism/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	X		3		History Elective	X		3
	Electives/Free Electives			7		General Electives			7
	General Education Elective (2)	X		3		General Education Elective	X		3
	Humanities (3)	X		3		Humanities Elective	X		3
	Social Science (4)			3		Social Science Elective			3
					<b>Total Credits Eligible for Transfer</b>				
					<b>63</b>				
					<b>Additional Required and Elective Courses for the Major at UAlbany</b>				
					Challenges of the 21 <sup>st</sup> Century				
					X				
					X				
					3				
					AATM 209				
					Weather Workshop (Corequisite with AATM 210)				
					X				
					1				
					AATM 210				
					Atmospheric Structure, Thermodynamics, and Circulation (Corequisite with AATM 209)				
					X				
					3				
					AATM 211				
					Weather Analysis and Forecasting				
					X				
					4				
					AATM 315				
					Environmental Statistics and Computation				
					X				
					4				
					AATM 316				
					Dynamic Meteorology I				
					X				
					3				
					AATM 317				
					Dynamic Meteorology II				
					X				
					3				
					AATM 320				
					Atmospheric Thermodynamics				
					X				
					3				
					AATM 321				
					Physical Meteorology				
					X				
					4				
					AATM 350				
					Meteorological Data Analysis and Visualization				
					X				
					2				
					AATM 418				
					Dynamic Meteorology III				
					X				
					3				
					AATM 419				
					Applications of Numerical Weather Prediction				
					X				
					3				
					Atmospheric Science Electives (5)				
					X				
					0-3				
					Minor				
					A Minor is required at UAlbany				
					X				
					18-24				
<b>Total credits required for degree completion at SUNY Dutchess</b>				<b>64</b>	<b>Total Credits Required at UAlbany</b>				<b>57-60</b>
<p>(1)This course is suggested because it meets a requirement for the major at UAlbany upon transfer.</p> <p>(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.</p> <p>(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.</p> <p>(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.</p> <p>(5)Electives will be from AATM 301 and higher (excluding AATM 304) and including either AATM 311 or AATM 405. No more than 6 credits from AATM 490, AATM 497, AATM 498, or AATM 499. A maximum of 3 credits from AATM 490 will apply.</p>					<b>Total Transfer Credits Applied to Program</b>				<b>63</b>
					<b>Total Credits Required for Degree</b>				<b>120-123</b>

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.