

Dutchess Community College Liberal Arts and Sciences – Mathematics A.S.					University at Albany Mathematics 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
BHS 103	Social Problems in Today's World	X		3	ASOC 180	Social Problems	X		3
CPS 100	Computer Science Intro Seminar			1	NOCR	No Credit Transferred			0
LAH 100	Lib Arts Humanities Intro Sem								
LAM 100	Lib Arts Math Intro Seminar								
CPS 141	Introduction to Computer Science		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 214	Discrete Mathematics Using Proofs	X	X	3	AMAT 299	Introduction to Proofs	X	X	3
MAT 215	Introduction to Linear Algebra	X	X	3	AMAT 220	Linear Algebra	X	X	3
MAT 221	Analytical Geometry and Calculus I	X	X	4	AMAT 112	Calculus I	X	X	4
MAT 222	Calculus II	X	X	4	AMAT 113	Calculus II	X	X	4
MAT 223	Calculus III	X	X	4	AMAT 214	Calculus of Several Variables	X	X	4
MAT 224	Differential Equations	X	X	4	AMAT 311	Ordinary Differential Equations	X		4
PHY 151	Engineering Physics I	X		4	APHY 140/145	Physics I:Mechanics/Lab	X		4
PHY 152	Engineering Physics II	X		4	APHY 150/155	Physics II: Electromagnetism/Lab	X		4
WFE 101	Lifetime Wellness and Fitness			3	DPEC 030	Physical Education Elective			3
	American History	X		3		History Elective	X		3
	Electives/Free Electives			8		General Electives			8
	General Education Elective (1)	X		6		General Education Electives	X		6
					<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
						2 AMAT Sequences (2)		X	12
					UUNL 299	Information Literacy in Mathematics and Statistics		X	2
						Elective credits required for Degree Completion		X	16-22
					Minor	A Minor is required at UAlbany (3)		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</b>
					<b>Total Transfer Credits Applied to Program</b>				<b>63</b>
					<b>Total Credits Required for Degree</b>				<b>120</b>

(1)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.

(2)Select two of the following Sequences:

- Any two of AMAT 326, AMAT 327, or AMAT 328
- Either (a) AMAT 314 & AMAT 315, or (b) any two of AMAT 312, AMAT 412, AMAT 413, AMAT 414
- Either (a) any two of AMAT 308, AMAT 362/367, AMAT 363, AMAT 369, AMAT 464, AMAT 465, AMAT 467, AMAT 468; or (b) AMAT 370 and of the following AMAT 367, AMAT 369, AMAT 464, AMAT 465, AMAT 467, AMAT 468
- AMAT 312 and AMAT 424 (AMAT 312 cannot be a part of two sequence options)

(3)Select one of the following Minors: Atmospheric Science, Biology, Business, Chemistry, Computer Science, Economics, Electronics, Geology, Informatics, or Physics

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. Before declaring a major, students must complete one of the following: AMAT 113, 119, 214, or 218 with a grade of A, B, C, or S. (Transfer credits and grades may be used to satisfy this).