

Mohawk Valley Community College LAS: Mathematics and Science - Mathematic					University at Albany Mathematics B.A.				
Course #	Course Title	SUNY Gen Ed	Major or Pathway	Credits Granted	Course #	Equivalent Course Title	SUNY Gen Ed	Major or Pathway	Credits Accepted
CF100	College Foundations Seminar (1)			1	QNCRE00	No Credit Given at UAlbany			0
EN101	English 1: Composition	X		3	ANEG 100Z	Introduction to Analytical Writing	X		3
MA 150	Pre-Calculus (2)	X		4	AMAT 100	Precalculus Mathematics	X		4
	Social Science Elective (A)	X		3		SUNY Gen Ed Social Science Elective	X		3
	Sequence Elective (B)			3		Science Sequence Elective			3
HI101 or HI 102	History of Civilization 1 or History of Civilization 2	X		3	AHISE10WD or AHISE10WD	100-Level History Elective or 100-Level History Elective	X		3
	Physical Education			.5		General Elective Credit			.5
EN102	English 2: Ideas & Values in Literature	X		3	AENG 121	Reading Literature	X		3
MA151	Calculus 1	X	X	4	AMAT 112	Calculus I	X	X	4
	Social Science Elective (A)	X		3		SUNY Gen Ed Social Science Elective	X		3
	Sequence Elective (B)			3		Science Sequence Elective			3
HI101 or HI 102	History of Civilization 1 or History of Civilization 2	X		3	AHISE10WD or AHISE10WD	100-Level History Elective or 100-Level History Elective	X		3
	Physical Education			.5		General Elective Credit			.5
MA152	Calculus 2	X	X	4	AMAT 113	Calculus 2	X	X	4
MA275	Discrete Algebraic Structures	X		4	ICSI 213	Data Structures	X		4
	Natural Science Elective (C)	X		4		SUNY Gen Ed Natural Science Elective	X		4
	Restricted Elective (D)			3		General Elective Credit			3
	Physical Education			.5		General Elective Credit			.5
MA253	Calculus 3	X	X	4	AMAT 214	Calculus of Several Variables	X	X	4
MA280	Linear Algebra	X	X	3	AMAT 220	Linear Algebra	X	X	3
	Natural Science Elective (C)	X		4		SUNY Gen Ed Natural Science Elective	X		4
	Restricted Elective (D)			3		General Elective Credit			3
	Physical Education			.5		General Elective Credit			.5
					<b>Total Credits Eligible for Transfer</b>				
					<b>Additional Required and Elective Courses for the Major at UAlbany</b>				
						Challenges of the 21 <sup>st</sup> Century	X	X	3
					AMAT 299	Introduction to Proofs (same semester as UUNL 299)		X	3
					UUNL 299	Information Literacy in Mathematics and Statistics (same semester as AMAT 299)		X	2
						Algebra (3)		X	3
						Analysis (4)		X	3
						Geometry/topology (5)		X	3
						Probability/Statistics (6)		X	3
						Mathematics Electives (7)		X	6
						Elective Credits Required for Degree Completion		X	10-16
					Minor	A Minor is required at UAlbany		X	18-24
<b>Total credits required for degree completion at MVCC</b>				<b>61</b>	<b>Total Credits required at UAlbany</b>				<b>60</b>
					<b>Total Credits Applied to Program</b>				<b>60</b>
					<b>Total Credits Required for Degree</b>				<b>120</b>

- (A) Social Science: AN 101, BM 101, PS 101, or SO 101  
 (B) Sequence Elective: two classes in CI 110 or CI 130, or two classes in FL, FR, GR, IT, or SP  
 (C) Natural Science Elective: BI 142, CH 142, CL 102, PH 142, PH 152, or PH 262  
 (D) Restricted Elective: six credits except PE or TRF  
 (1) The University at Albany does not accept transfer credit for College Foundations Seminar courses.  
 (2) MVCC students may take MA 260.  
 (3) Algebra: AMAT 326, AMAT 327, AMAT 328, or AMAT 424  
 (4) Analysis: AMAT 311, AMAT 312, AMAT 314, AMAT 409, AMAT 412, AMAT 413, AMAT 414  
 (5) Geometry/topology: AMAT 331, AMAT 342, AMAT 432, AMAT 441, AMAT 442  
 (6) Probability/statistics: AMAT 308, AMAT 362 or AMAT 367, AMAT 363, AMAT 370, AMAT 464, or AMAT 467.  
 (7) Elective courses must be at the 200-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. 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).