

Mohawk Valley Community College LAS: Mathematics and Science - Mathematic					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
				1	QNCRE00	No Credit Given at UAlbany			0
CF100	College Foundations Seminar (1)			3	ANEG 100Z	Introduction to Analytical Writing	X		3
EN101	English 1: Composition	X		4	AMAT 100	Precalculus Mathematics	X		4
MA 150	Pre-Calculus	X		3		SUNY Gen Ed Social Science Elective	X		3
	Social Science Elective (A)	X		3	ICSI 201	Introduction to Computer Science		X	3
CI110	Principles of Programming (Suggested Sequence Elective) (2)		X	3	AHISE10WD or AHISE10WD	100-Level History Elective or 100-Level History Elective	X		3
HI101 or HI 102	History of Civilization 1 or History of Civilization 2	X		.5		General Elective Credit			.5
	Physical Education								
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
CI 130	Programming in C++ (Suggested Sequence Elective)			3		Computer Science Elective – no credit given major/minor		X	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 (B)	X		4		SUNY Gen Ed Natural Science Elective	X		4
	Restricted Elective (C)			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 (B)	X		4		SUNY Gen Ed Natural Science Elective	X		4
	Restricted Elective (C)			3		General Elective Credit			3
	Physical Education			.5		General Elective Credit			.5
Total credits required for degree completion at MVCC					64				
					Total Credits Eligible for Transfer				
					Additional Required and Elective Courses for the Major at UAlbany				
						Challenges of the 21 st 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
						Two AMAT Sequences (3)		X	12
						ICSI Courses (4)		X	3
						Mathematics Electives (5)		X	6
						Elective Credits Required for Degree Completion		X	4-10
					Minor	A Minor is required at UAlbany (6)		X	18-24
					Total Credits required at UAlbany				
					57				
					Total Credits Applied to Program				
					63				
					Total Credits Required for Degree				
					120				

- (A) Social Science: AN 101, BM 101, PS 101, or SO 101
 (B) Natural Science Elective: BI 142, CH 142, CL 102, PH 142, PH 152, or PH 262
 (C) Restricted Elective: six credits in anything except PE
 (1) The University at Albany does not accept transfer credit for College Foundations Seminar courses.
 (2) This course is suggested because it meets a requirement for the major at UAlbany upon transfer.
 (3) 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).
 (4) Select two Computer Science courses: ICSI 101, ICSI 201, ICSI 203, ICSI 204, ICSI 205, or ICSI 310.
 (5) Elective courses must be at the 200-level or above.
 (6) 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).