

Mohawk Valley Community College LAS: Mathematics & Science - Chemistry					University at Albany Chemistry 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
				1	QNCRE00	No Credit Given at UAlbany			0
CF100	College Foundations Seminar (1)			4	ACHM 120/124	General Chemistry I/Lab	X	X	4
CH141	General Chemistry 1	X	X	3	ANEG 100Z	Introduction to Analytical Writing	X		3
EN101	English 1: Composition	X		4	AMAT 112	Calculus I	X	X	4
MA151	Calculus 1	X	X	3		SUNY Gen Ed Social Science Elective	X		3
	Core GE Social Science (A)	X		.5		General Elective Credit			.5
	Physical Education								
CH 142	General Chemistry II	X	X	4	ACHM 121/125	General Chemistry II/Lab	X	X	4
EN102	English 2: Ideas & Values in Literature	X		3	AENG 121	Reading Literature	X		3
MA152	Calculus 2	X	X	4	AMAT 113	Calculus 2	X	X	4
PH261	Engineering Physics 1	X	X	4	APHY 140/145	Physics I: Mechanics/Lab	X	X	4
	Physical Education			.5		General Elective Credit			.5
CH247	Organic Chemistry 1	X	X	5	ACHM 220/222	Organic Chemistry I/Lab	X	X	5
PH262	Engineering Physics 2	X	X	4	APHY 150/155	Physics II: Electromagnetism/Lab	X	X	4
MA 253	Calculus 3 (Suggested Restricted Elective) (2)		X	4	AMAT 214	Calculus of Several Variables		X	4
	Physical Education			.5		General Elective Credit			.5
CH248	Organic Chemistry 2	X	X	5	ACHM 221/223	Organic Chemistry II/Lab	X	X	5
HI101	History of Civilization 1	X		3	AHISE10WD	100-Level History Elective	X		3
	Restricted Elective (B)			3-4		General Elective Credit			3-4
CH246	Quantitative Analysis (Suggested Restricted Elective) (2)		X	5	ACHM 226/227	Quantitative Analysis/Lab		X	5
	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
					ACHM 342 or ACHM 442	Introduction to Biochemistry		X	3
					ACHM 350	Comprehensive Biochemistry I		X	3
					ACHM 351	Physical Chemistry I		X	3
					ACHM 352Z	Physical Chemistry II		X	3
					ACHM 417	Physical Chemistry Lab		X	3
					ACHM 420	Advanced Synthesis Lab		X	3
						Inorganic Chemistry I		X	3
						Advanced Chemistry Laboratories 31)		X	3-4
						Advanced Chemistry Course (4)		X	3
					APHY 240	Physics III: Structure of Matter		X	3
						Elective Credits Required for Degree Completion		X	31-33
<b>Total credits required for degree completion at MVCC</b>					<b>Total Credits required at UAlbany</b>				
61-62					59-60				
					<b>Total Credits Applied to Program</b>				
					60-61				
					<b>Total Credits Required for Degree</b>				
					120				

(A) Social Science (choose one): AN 101, GE 101, PS 101, PY 101, or SO 101,  
 (B) Restricted Elective (choose three): BI 141, BI 142, BI 201, CH 246, ES 161, GL 101, MA 253, MA 260, or OH 263.  
 (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) Advanced Chemistry Laboratories must be selected from: ACHM 344, ACHM 426, ACHM 429, or ACHM 431  
 (4) Advanced Chemistry Course may be selected from any course other than ACHM 424, ACHM 425, ACHM 426, ACHM 444 or ACHM 445.