

Mohawk Valley Community College LAS: Mathematics & Science - Chemistry					University at Albany Biochemistry and Molecular Biology 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
CF100	College Foundations Seminar (1)			1	QNCRE00	No Credit Given at UAlbany			0
CH141	General Chemistry 1	X	X	4	ACHM 120/124	General Chemistry I/Lab	X	X	4
EN101	English 1: Composition	X		3	ANEG 100Z	Introduction to Analytical Writing	X		3
MA151	Calculus 1	X	X	4	AMAT 112	Calculus I	X	X	4
	Core GE Social Science (A)	X		3		SUNY Gen Ed Social Science Elective	X		3
	Physical Education			.5		General Elective Credit			.5
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		5	ACHM 220/222	Organic Chemistry I/Lab	X		5
PH262	Engineering Physics 2	X	X	4	APHY 150/155	Physics II: Electromagnetism/Lab	X	X	4
BI 141	General Biology I (Suggested Restricted Elective) (2)	X	X	4	ABIO 131/202	General Biology: Ecology, Evolution, and Physiology/Lab	X	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
BI 142	General Biology II (Suggested Restricted Elective) (2)	X	X	4	ABIO 130/201	General Biology: Molecular, Cell Biology, and Genetics/Lab	X	X	4
	Restricted Elective (B)			4-5		General Elective Credit			4-5
	Physical Education			.5		General Elective Credit			.5
					Total Credits Eligible for Transfer				
					59-61				
					Additional Required and Elective Courses for the Major at UAlbany				
						Challenges of the 21 <sup>st</sup> Century	X	X	3
					ABIO 212Y	Introductory Genetics		X	4
					ABIO 365	Biological Chemistry I		X	3
					ABIO 366	Biological Chemistry II		X	3
					ABIO 367	Biochemistry Laboratory		X	2
					ABIO 425/426	Molecular Biology/Lab		X	5
					ACHM 350 or ACHM 444	Physical Chemistry I Biophysical Chemistry I		X	3
					ACHM 351 or ACHM 445	Physical Chemistry II Biophysical Chemistry II		X	3
						Laboratory and Elective (3)		X	4
					Elective Credits Required for Degree Completion				
					X				
					29-31				
Total credits required for degree completion at MVCC					60-62				
					Total Credits required at UAlbany				
					59-61				
					Total Credits Applied to Program				
					59-61				
					Total Credits Required for Degree				
					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)Students must take a laboratory course in Biology or Chemistry at or above the 300-level. Credits in ABIO 399/399Z and 499/499Z or ACHM 425 and ACHM 426 may be used to fulfill this laboratory requirement if the student completes at least 4 credits over 2 semesters.

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.