

Mohawk Valley Community College Liberal Arts & Sciences: Mathematics & Science - Biology					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	
EN101	English 1: Composition	X		3	ANEG 100Z	Introduction to Analytical Writing	X		3	
BI 141	General Biology I	X	X	4	ABIO 131/202	General Biology: Ecology, Evolution, and Physiology/Lab	X	X	4	
MA 150	Pre-Calculus	X		4	AMAT 100	Precalculus Mathematics	X		4	
CH141	General Chemistry 1	X	X	4	ACHM 120/124	General Chemistry I/Lab	X	X	4	
CF100	College Foundations Seminar (1)			1	QNCRE00	No Credit Given at UAlbany			0	
	Physical Education			.5		General Elective Credit			.5	
EN102	English 2: Ideas & Values in Literature	X		3	AENG 121	Reading Literature	X		3	
BI 142	General Biology II	X	X	4	ABIO 130/201	General Biology: Molecular, Cell Biology, and Genetics/Lab	X	X	4	
MA151	Calculus 1	X	X	4	AMAT 112	Calculus I	X	X	4	
CH 142	General Chemistry II	X	X	4	ACHM 121/125	General Chemistry II/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	
MA152	Calculus 2	X	X	4	AMAT 113	Calculus 2	X	X	4	
HI101 or Elective	History of Civilization or Elective (A)	X		3	AHISE10WD or Elective	100-Level History Elective or General Elective Credit	X		3	
	Social Science Elective (B)	X		3		SUNY Gen Ed Social Science Elective	X		3	
	Physical Education			.5		General Elective Credit			.5	
CH248	Organic Chemistry 2	X	X	5	ACHM 221/223	Organic Chemistry II/Lab	X	X	5	
	Natural Science Elective (C)	X		4		SUNY Gen Ed Natural Science Elective	X		4	
	History Elective (A)	X		3		History Elective	X		3	
	Social Science Elective (B)	X		3		SUNY Gen Ed Social Science Elective	X		3	
	Physical Education			.5		General Elective Credit			.5	
					Total Credits Eligible for Transfer					61-62
					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	
					APHY 140 or APHY 142	Physics I: Mechanics Physics I: Advanced Mechanics	X	X	3	
					APHY 150 or APHY 152	Physics II: Electromagnetism Physics II: Advanced Electromagnetism	X	X	3	
						Laboratory and Elective (2)		X	4	
						Elective Credits Required for Degree Completion		X	22-23	
Total credits required for degree completion at MVCC										62-63
					Total Credits required at UAlbany					58-59
					Total Credits Applied to Program					61-62
					Total Credits Required for Degree					120

(A)History elective (choose one): HI102, HI111, HI112

(B)Social Science elective (choose one): AN101, BM101, PS101, PY101, or SO101

(C)Natural Sciences (choose one): BI105, BI151, BI201, WE101

(1)The University at Albany does not accept transfer credit for College Foundations Seminar courses.

(2)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.