

Mohawk Valley Community College				Binghamton University			
Degree:		A.S.		Degree:		B.A	
Program of Study:		Liberal Arts & Sciences: Mathematics & Science: Biology		Program of Study:		Biological Sciences	
Course Prefix	Course Number	Title	Cr.	Course Prefix	Course Number	Title	Cr.
CF	100	College Foundations Seminar*	1	LART	XXX	Liberal Arts Elective*	1
EN	101	English I: Composition	3	ENG	XXX	English Composition	3
BI	141	General Biology I**	4	BIOL	113	Intro to Cell & Molecular Biology**	4
MA	150	Precalculus	4	MATH	xxx	Math Elective	4
CH	141	General Chemistry I	4	CHEM	107	Intro Chemistry Principles I	4
PE		Physical Education Elective	0.5	HWS	XXX	Health & Wellness Elective	0.5
EN	102	English 2: Ideas and Values in Literature	3	ENG	XXX	English Elective-Gen Ed Humanities	3
MA	151	Calculus I	4	MATH	224 & 225	Differential Calculus & Integral Calculus	4
BI	142	General Biology II**	4	BIOL	114	Intro to Organisms & Pops Biology**	4
CH	142	General Chemistry II	4	CHEM	108	Intro Chem Principles II	4
PE		Physical Education Elective	0.5	HWS	XXX	Health & Wellness Elective	0.5
CH	247	Organic Chemistry 1	5	CHEM	231	Organic Chemistry I@	5
HI	101	History of Civilization 1	3	HIST	131	World History till 1500	3
		GE Social Science Elective (a)	3			General Education-Social Science	3
MA	110 or 152	Elementary Statistics or Calculus 2	3 or 4	MATH	147 or 226 & 227	Elementary Statistics or Intregation Technque/Applicat & Infinite Series	3 or 4
PE		Physical Education	0.5	HWS	XXX	Health & Wellness Elective	0.5
CH	248	Organic Chemistry 2	5	TCHE	232	Organic Chemistry II@	5
		GE Social Science Elective (a)	3			General Education-Social Science	3
HI	102 or 111 or 112	History of Civilization 2 or American History 1492-1850, or American History 1850-Present	3	HIST	130 or 103 or 104	Modern World History or Foundations of America or Modern American Civilization	3
WE	101	Natural Science Elective (b)	4	MSCI	1xx	Elective Credit	4
PE		Physical Education Elective	0.5	HWS	XXX	Health & Wellness Elective	0.5
TOTAL			62-63	TOTAL			62-63

*Students will receive credit for this course only with an earned associates degree
student completes both BI 141 & 142,with C- or better student will also receive credit for BIOL 115, Intro Biology Lab
@"Successful completion of CH 247 & 248 will satisfy BU's Orgo I, II & lab requirement."
(a) Student can choose one course from the following: PY 101, SO 101, AN 101, PS 101 or BM 101
(b) Students can choose one course from the following: BI 105, BI 201 or WE 101.BU recommends student take WE 101

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Sample Junior and Senior Year Course Guide: Biology BA

This is just a sample plan to demonstrate how to plan for a chemistry major after completing an associates degree at MVCC. Students must review their plans with their academic/major advisor

Year 3	Fall semester	
Requirement	Title	Course Options
Major	Statistics (if not completed at MVCC)	MATH 147 or 148
Major	Cell and Molecular Biology (CMB) Core	BIOL 332, or BIOL 311, or BIOL 401
Harpur/GenEd/Elective	any remaining GenEd, Harpur writing or other requirements for the BA	
Harpur/GenEd/Elective		
	Spring semester	
Major	Ecology and Evolution (EEB) Core	BIOL 351, or BIOL 355/373
Major	Science & Mathematics Elective	See biology website for course options
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
Year 4	Fall semester	
Major	300+ Biology Elective	BIOL 300+
Major	300+ Biology Elective with Lab	BIOL 300+
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
	Spring semester	
Major	300+ Biology Elective	BIOL 300+
Major	300+ Biology Lab	See biology website for course options
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
*Complete any unfulfilled Gen Ed Requirements		
**Complete any unfulfilled Harpur College Requirements: upper-level, writing, total credit hours, etc.		
**Refer to the University Bulletin annually to verify degree requirements		