Mohawk Valley Community College					Binghamton University			
Degree: A.S.				Degree:				
Program of Study: Liberal Arts & Sciences: Mathematics & Science: Chemi			stry	Program of Study:		Chemistry		
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	
MA	151	Calculus I	4	MATH	224 & 225	Differential Calculus & Integral Calculus	4	
СН	141	General Chemistry I	4	CHEM	107	Intro Chemistry Principles I	4	
		GE Social Science Elective	3			General Education-Social Science	3	
PE		Physical Eduction 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	
PH	261	Engineering Physics I	4	PHYS	131	Gen. Physics I (Calculus Based)	4	
MA	152	Calculus II	4	MATH	226 & 227	Intregration Technque/Applicat & Infinite Series	4	
СН	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	
СН	247	Organic Chemistry 1*	5	CHEM	231	Organic Chemistry I**	5	
PH	262	Engineering Physics 2	4	PHYS	132	General Physics II (Calculus Based)	4	
		Chemistry Elective (b) Binghamton strongly recommends CH 246 if possible	4-5	CHEM	221	Analytical Chemistry	5	
PE		Physical Education	0.5	HWS	XXX	Health & Wellness Elective	0.5	
ні	101	History of Civilization 1	3	HIST	131	World History till 1500	3	
СН	248	Organic Chemistry 2*	5	TCHE	232	Organic Chemistry II**@	5	
		Chemistry Elective (b)	4-5	MSCI		Natural Science W/ Lab	4-5	
		GE Social Science Elective	3			General Education-Social Science	3	
PE		Physical Eduction Elective	0.5	HWS	XXX	Health & Wellness Elective	0.5	
TOTAL			60-62	TOTAL			60-6	

 $\ensuremath{^*\text{Students}}$ will receive credit for this course only with an earned associates degree

**If a student complets both CH 247/248 with a C-or better, will also receive credit for Organic Chemistry Lab

Upon transfer, students will receive credit for the content for CHEM 332/335, but will not receive upper-division level credit

(a) Student can choose one course from the following: PY 101, SO 101, AN 101, PS 101 or BM 101

(b) Students choose two courses from the following: BI 141, BI 142, BI 201, CH 246, ES 151, ES 161, GL 101, MA 253, MA 260, PH 263, BU Recommends students take either a BI or GL course

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Sample Junior and Senior Year Couse Guide: Chemistry 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	Intermediate Inorganic Chem.	CHEM 341
Major	Intro. To Physical Chemistry or Biophysical Chemistry I	CHEM 351 or 361
Harpur/GenEd/Elective	any remaining gened, Harpur writing or other requirements for the BA	
Harpur/GenEd/Elective		
Haipui/GenEd/Elective		
	Spring semester	
	Spring semester	See faculty advisor for
Major	Chemistry Elective	course options
J		See faculty advisor for
Major	Chemistry Elective	course options
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
Year 4	Fall semester	
Major	Senior Seminar	CHEM 496
		See faculty advisor for
Major	Chemistry Elective	course options
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
	Spring semester	
Major	Chemistry Elective	See faculty advisor for course options
Harpur/GenEd/Elective	Chemisury Elective	course options
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
Harpur/GenEd/Elective		
That puil/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		