

CHEMISTRY BA with a concentration in Biochemistry

Fall 2009 – Spring 2010

CONTACT INFORMATION

- Honors College Advisor: Kathleen Alligood (alligood@gmu.edu)
- Department Chair: Gregory Foster
- Department Undergraduate Coordinator: John Schreifels (jschreif@gmu.edu)

Once students begin attending Mason and declare a major they should see both their Honors College and their major department advisor for advising.

REQUIRED HOURS

- Hours Required in Major: 37
- Hours Required in Honors: see honors advisor
- Total Required Hours: 120, 45 of which must be at the 300-level and above.

ADVISING SHEET

- Honors College Requirement
- ◆ Department Requirement
- ▲ College Requirement

1 st Year – 1 st Semester (Fall)	Credits
○ HNRS 110: Introduction to Research (Grade C or better required)	4
○ HNRS 122: Reading the Arts	3
◆ MATH 113: Analytic Geometry and Calculus I (placement score required) ¹	4
◆ CHEM 211 or CHEM 211H: General Chemistry	4
Semester Total	15
1 st Year – 2 nd Semester (Spring)	
○ HNRS 130: Conceptions of Self	3
◆ MATH 114: Analytic Geometry and Calculus II	4
◆ CHEM 212 or CHEM 212H: General Chemistry	4
◆ Elective	3
Semester Total	14
2 nd Year – 1 st Semester (Fall)	
○ HNRS 131: Contemporary Society in Multiple Perspectives	3
○ HNRS 240: Reading the Past	3
◆ CHEM 313: Organic Chemistry & CHEM 315: Organic Chemistry Lab I	5
◆ PHYS 243: College Physics & PHYS 244: College Physics Lab (required before CHEM 331)	4
Semester Total	15
2 nd Year – 2 nd Semester (Spring)	
○ HNRS 230: Cross-Cultural Perspectives	3
◆ CHEM 314: Organic Chemistry	3
◆ CHEM 318: Organic Chemistry Lab II	2
◆ CHEM 350: Computer Techniques for Chemistry	3
◆ PHYS 245: College Physics & 246: College Physics Lab (required before CHEM 333)	4

	Semester Total	15
3rd Year – 1st Semester (Fall)		
◆	CHEM 321: Elementary Quantitative Analysis	4
◆	CHEM 331: Physical Chemistry	3
◆	BIOL 213 or BIOL 213H: Cell Structure and Function	4
◆	Elective	3
	Semester Total	14
3rd Year – 2nd Semester (Spring)		
○	HNRS 353: Technology in the Contemporary World (grade of C or better required)	3
◆	CHEM 334: Physical Chemistry for the Life Sciences II	3
◆	Electives	3
▲	Foreign Language	6
	Semester Total	15
4th Year – 1st Semester (Fall)		
◆	CHEM 463: General Biochemistry I	4
◆	STAT 250: Introductory Statistics I	3
◆	Electives 300 or above	6
▲	Foreign Language	3
	Semester Total	16
4th Year – 2nd Semester (Spring)		
◆	CHEM 446: Bioorganic Chemistry	3
◆	CHEM 465: Biochemistry Lab	2
◆	Electives 300 and above	4
◆	Electives	7
	Semester Total	16
	Total Hours	120

NOTES

1. MATH 113 or HNRS 125 fulfills the quantitative reasoning requirement for the Honors College. Math 113 requires a placement exam. See the Math Department for exam days and times.