

## CHEMISTRY BA with a concentration in Biochemistry

Fall 2008 – Spring 2009

### CONTACT INFORMATION

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

### REQUIRED HOURS

- Hours Required in Major: 37
- Hours Required in Honors: see honors advisor
- Total Required Hours: 120
- This major requires a total of 120 credits to graduate, 45 of which must be at the 300-level and above.

### ADVISING SHEET

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

	Credits
<b>1<sup>st</sup> Year – 1<sup>st</sup> Semester (Fall)</b>	
○ HNRS 110: Introduction to Research (Grade C or better required)	4
◆ MATH 113: Analytic Geometry and Calculus I (placement score required)	4
◆ CHEM 211 or CHEM 211H: General Chemistry	4
◆ Missing class goes here	3
Semester Total	15
<b>1<sup>st</sup> Year – 2<sup>nd</sup> Semester (Spring)</b>	
○ HNRS 122: Reading the Arts	3
○ HNRS 130: Conceptions of Self	3
◆ MATH 114: Analytic Geometry and Calculus II	4
◆ CHEM 212 or CHEM 212H: General Chemistry	4
Semester Total	14
<b>2<sup>nd</sup> Year – 1<sup>st</sup> Semester (Fall)</b>	
○ 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
<b>2<sup>nd</sup> Year – 2<sup>nd</sup> Semester (Spring)</b>	
○ 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
<b>3<sup>rd</sup> Year – 1<sup>st</sup> Semester (Fall)</b>		
◆	CHEM 321: Elementary Quantitative Analysis	4
◆	CHEM 333: Physical Chemistry for the Life Sciences I	3
◆	BIOL 213 or BIOL 213H: Cell Structure and Function	4
▲	Foreign Language	3
	Semester Total	14
<b>3<sup>rd</sup> Year – 2<sup>nd</sup> Semester (Spring)</b>		
○	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	6
▲	Foreign Language	3
	Semester Total	15
<b>4<sup>th</sup> Year – 1<sup>st</sup> Semester (Fall)</b>		
◆	CHEM 463: General Biochemistry I	4
◆	STAT 250: Introductory Statistics I	3
◆	Electives 300 or above	6
▲	Foreign Language	3
	Semester Total	16
<b>4<sup>th</sup> Year – 2<sup>nd</sup> Semester (Spring)</b>		
◆	CHEM 446: Bioorganic Chemistry	3
◆	CHEM 465: Biochemistry Lab	2
◆	Electives 300 and above	4
◆	Electives	7
	Semester Total	16
	<b>Total Hours</b>	<b>120</b>

NOTES