



**Chemistry at Heidelberg College**  
 (66 semester hours)  
**Biochemistry Track**

Legend:

(F) = Course offered Fall only  
 (S) = Course offered Spring only

## Sample Curriculum—Chemistry, Biochemistry Track\*\*

### First Year

#### Fall Semester

FYE 100 First Year Experience Seminar	3
CHM 111 General Chemistry	4
MTH 222 Calculus I	3
BIO 112 General Zoology	4
General Education or Electives	2

Total 16 hrs.

#### Spring Semester

ENG 101 English Composition	3
CHM 112 General Chemistry	4
MTH 223 Calculus II	3
General Education or Electives	5

Total 15 hrs.

### Second Year

#### Fall Semester

CHM 201 Organic Chemistry	4
PHY 101 General Physics	4
BIO 222 Cell and Molecular Biology	4
COM 100 Oral Communication	2
General Education or Electives	1

Total 15 hrs.

#### Spring Semester

CHM 202 Organic Chemistry	4
PHY 102 General Physics	4
BIO 223 Genetics	4
General Education or Electives	3

Total 15 hrs.

### Third Year

#### Fall Semester

CHM 305 Quantitative Analysis	4
CHM 307 Physical Chemistry (jwo)	4
General Education or Electives	7

Total 15 hrs.

#### Spring Semester

CHM 308 Physical Chemistry	4
CHM 404 Instrumental Analysis	4
CHM 415 General Biochemistry	3
CHM 417 Laboratory Studies in Biochemistry	1
General Education or Electives	3

Total 15 hrs.

### Fourth Year

#### Fall Semester

BIO 325 Microbiology	4
COR 300 Exploring the Liberal Arts	3
General Education or Electives	8

Total 15 hrs.

#### Spring Semester

CHM 422 Seminar	1
CHM 416 Chemistry of Metabolism	3
General Education or Electives	11

Total 15 hrs.

Need proficiency in math (place into MTH 121) before taking CHM 111.

CHM 307 offered fall of odd years; CHM 308 spring of even years

Students need an additional 4 hours of CHM

\*\*Subject to change. Please consult department for current information. For more detailed program requirements see the college catalog.

### For more information about Chemistry, Biochemistry Track, contact:

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