

# CLOWES DEPARTMENT OF CHEMISTRY AND BIOCHEMISTRY



GALLAHUE HALL 350

[butler.edu/arts-sciences/chemistry-biochemistry](http://butler.edu/arts-sciences/chemistry-biochemistry)



## 4-YEAR PLAN FOR A BIOCHEMISTRY MAJOR

### 1st Year Fall

CH107 Advanced General Chemistry (5 cr)  
FYS101 First Year Seminar (3 cr)  
BI210: Genetics (4 cr)  
Foreign Language 3 (3 cr)

### 1st Year Spring

CH321 Analytical Chemistry 1 (4 cr)  
FYS102 First Year Seminar (3 cr)  
BI220 Cell and Molec Biology (4 cr)  
Foreign Language 4 (3 cr)  
CH160 Modern Issues in Biochem (1 cr)

### 2nd Year Fall

CH351 Organic Chemistry 1 (4 cr)  
GHS 20X Global & Historical Studies (3 cr)  
MA106 Calculus and Anl Geometry 1 (4 cr)  
SW2XX Social World core (3 cr)  
CH493 Undergraduate Research (1 cr)

### 2nd Year Spring

CH352 Organic Chemistry 2 (4 cr)  
GHS 20X Global & Historical Studies (3 cr)  
CH361 Intro to Biochemistry 1 (3 cr)  
TI2XX Text & Ideas core (3 cr)  
CH493 Undergraduate Research (1 cr)

## 2nd Summer: Independent Non-credit Research (BSI)

### 3rd Year Fall

CH362 Biochemistry 2 (3 cr)  
CH363 Biochemistry Laboratory 1  
PCA2XX Perspectives in Creative Arts (3 cr)  
WB1XX Well Being core (1cr)  
CH494 Undergraduate Research (2 cr)

### 3rd Year Spring

CH462 Biochemistry 2 (3 cr)  
CH464 Macromolecular Structure (2 cr)  
CH110 Chemistry in the Community (1 cr)  
Elective  
Elective

## 3rd Summer: Internship or Grant-funded Research

### 4th Year Fall

CH or BI elective (3 cr)  
CH4X3 any Advanced CH Laboratory (3 cr)  
Elective  
Elective  
CH494: Undergraduate Research (2 cr)

### 4th Year Spring

CH418 (short term study abroad) or CH408  
(3 cr)  
Elective  
Elective  
CH494: Undergraduate Research (2 cr)



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