## Academic Plan for a B.S. in Biochemistry

### FRESHMAN YEAR

**Fall**
- CHEM 151  | 4  
- MATH 122A/B (or 125)  | 5 (3)  
- ENGL 101  | 3  
- TIER 1  | 3  

**Spring**
- CHEM 152  | 4  
- MATH 129  | 3  
- ENGL 102  | 3  
- TIER 1  | 3 (or 6)  

**Total** 13-15

### SOPHOMORE YEAR

**Fall**
- CHEM 246A/247A*  | 5 (4)  
- (or CHEM 241A/243A)*  | 5 (4)  
- MCB 181 R/L  | 4  
- CHEM 380, MATH 223 or 254  | 3/4/3  
- Second Language  | 4  
- BIOC 296B (or spring)*  | 1  

**Spring**
- CHEM 246B/247B*  | 5 (4)  
- (or CHEM 241B/243B)*  | 5 (4)  
- ECOL 182 R/L  | 4  
- TIER 1  | 3  
- Second Language  | 4  
- BIOC 296B (or fall)*  | 1  

**Total** 15-18

### JUNIOR YEAR

**Fall**
- BIOC 462A*~  | 4  
- BIOC 463A (or spring)*~  | 4  
- PHYS 141 or 140 TIER  | 4/3  
- 2  | 3  

**Spring**
- BIOC 462B*  | 4  
- BIOC 466*  | 4  
- PHYS 241 or 240  | 4/3  
- TIER 2 or BIOC 463A*  | 3/4  

**Optional Elective**  | 3  

**Total** 14-18

### SENIOR YEAR

**Fall**
- CHEM 480A*  | 3  
- BIOC 498(H)*  | 3  
- TIER 2/Electives  | 6-12  

**Spring**
- CHEM 481 or 480B*  | 3  
- BIOC 498(H)*  | 3  
- TIER 2/Electives  | 6-12  

**Total** 12-18

**TOTAL UNITS NEEDED:** 120

* Denotes grade of C or better required  
~ Denotes department consent required to enroll-contact CBC advisor

Classes in bold are only offered in the fall or spring semester as shown.
FOUNDATION COURSES:

i. Freshman Composition (Complete one sequence)
   ENGL 101 (3) ____ ENGL 102 (3) ____ or
   ENGL 107 (3) ____ ENGL 108 (3) ____ or
   ENGL 109H (3) ____
   MCWA____

ii. Mathematics: Satisfied by math pre-major courses

iii. Second Language (Second Semester Proficiency)

TIER ONE COURSES:

i. Individuals and Societies 150 (6 units)*

ii. Traditions and Cultures 160 (6 units)*

TIER TWO COURSES:

i. Arts (3 units)

ii. Humanities (3 units)

iii. Individuals and Societies (3 units)

iv. Diversity Emphasis Requirement: One course must meet this requirement. Can be double-dipped with Tier One or Tier Two course

Note: Honors options (H) are available to substitute for a number of the listed pre-major and major courses. Courses offered only in the fall or spring semesters are labeled with F or S.