

## Biochemistry and Molecular Biology (BS)

This plan provides an example pathway through the major, assuming a student will start in CHEM 130: Chemical Principles I in their first semester. Students whose math placement is lower than Calculus will take CHEM 130 in the Spring semester and should follow the [alternative plan](#).

### FALL - Semester 1

TRU 120: First-Year Seminar  
CHEM 130: Chemical Principles I  
BIOL 107: Cells, Molecules, and Genes  
BCMB 145: Freshman BCMB Seminar

### FALL - Semester 3

CHEM 245: Sophomore Seminar  
MATH 263: Analytic Geometry and Calculus II  
BIOL 300: Genetics  
CHEM 329: Organic Chemistry I  
CHEM 275: Intro to Inorganic Principles

### FALL - Semester 5

PHYS 185: College Physics I\*\*\*  
BCMB elective with lab\*\*\*\*  
CHEM 345: Junior Seminar  
CHEM 332: Organic Chemistry II lab\*\*  
Dialogues Curriculum coursework

### FALL - Semester 7

BCMB 445: Senior Capstone Seminar  
CHEM 337: Physical Chemistry of Biochemical Systems  
Dialogues Curriculum coursework  
Elective  
Elective

### SPRING - Semester 2

CHEM 131: Chemical Principles II  
MATH 198: Analytic Geometry and Calculus I  
STAT 190: Basic Statistics\*  
Dialogues Curriculum coursework

### SPRING - Semester 4

BIOL 330: Cell Biology  
CHEM 331: Organic Chemistry II  
CHEM 330: Organic Chemistry I lab\*\*  
CHEM 312: WE/Foundations of Chemical Analysis  
Dialogues Curriculum coursework

### SPRING - Semester 6

PHYS 186: College Physics II\*\*\*  
CHEM 335: Biochemistry I - Structure and Function  
BCMB elective 2\*\*\*\*  
Dialogues Curriculum coursework  
JINS course\*

### SPRING - Semester 8

CHEM 326: WE/Physical Chemistry Lab II  
BCMB elective 3\*\*\*\*  
Dialogues Curriculum coursework  
Elective  
Elective