

Biochemistry and Molecular Biology (BS) - Alternative Plan

If math placement is lower than calculus, students will complete College Algebra prior to beginning their chemistry courses with CHEM 130: Chemical Principles I, as shown in the example plan below.

FALL - Semester 1

BIOL 107: Cells, Molecules, and Genes
BCMB 145: Freshman BCMB Seminar
MATH 156: College Algebra
TRU 120: First-Year Seminar
Dialogues Curriculum coursework

FALL - Semester 3

CHEM 131: Chemical Principles II
CHEM 245: Sophomore Seminar
BIOL 300: Genetics
MATH 198: Analytic Geometry and Calculus I

FALL - Semester 5

PHYS 185: Physics I***
CHEM 275: Intro. to Inorganic Principles
CHEM 331: Organic Chemistry II
CHEM 330: Organic Chemistry I lab**
CHEM 345: Junior Seminar
Dialogues Curriculum coursework

FALL - Semester 7

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

SPRING - Semester 2

CHEM 130: Chemical Principles I
MATH 157: Trigonometry
STAT 190: Basic Statistics*
Dialogues Curriculum coursework

SPRING - Semester 4

BIOL 330: Cell Biology
CHEM 329: Organic Chemistry I
CHEM 312: WE/Foundations of Chemical Analysis
MATH 263: Analytic Geometry and Calculus II

SPRING - Semester 6

PHYS 186: Physics II***
CHEM 332: Organic Chemistry II lab**
CHEM 335: Biochemistry I - Structure and Function
BCMB elective with lab****
Dialogues Curriculum coursework

SPRING - Semester 8

CHEM 326: WE/Physical Chemistry Lab II
BCMB elective 2****
BCMB elective 3****
Dialogues Curriculum coursework
Elective