Sample Two Year Plan

Biochemistry and Molecular Biology (BS)

*The following plan is possible on the presumption that an incoming student has an Associate of Arts (AA) degree and has completed the equivalent to **BIOL 107** (Cells Molecules and Genes); **CHEM 130** and **CHEM 131** (Chemical Principles I and II); **CHEM 329**, **CHEM 330**, **CHEM 331** and **CHEM 332** (Organic Chemistry I and II with lab), and **MATH 198** (Calculus I) prior to enrolling at Truman State University.*

FALL - Semester 1

- CHEM 245: Sophomore Chem. Seminar (1 cr)
- BIOL 300: Genetics (4 cr)
- MATH 263: Analytic Geometry and Calculus II (4 cr)
- CHEM 275: Intro to Inorganic Principles (1 cr)
- JINS 3XX: We/Junior Interdisciplinary Perspective Seminar (3 cr)

SPRING - Semester 2

- BIOL 330: Cell Biology (4 cr)
- CHEM 312: WE/Foundations of Chemical Analysis (5 cr)
- CHEM 335: Biochemistry I - Structure and Function (3 cr)
- PHYS 185: College Physics I (4 cr)

FALL - Semester 3

- CHEM 345: Junior Chemistry Seminar (1 cr)
- BCMB 445: Senior Biochemistry and Molecular Biology Capstone Seminar (1 cr)
- CHEM 337: Physical Chemistry of Biochemical Systems (3 cr)
- BCMB Elective 1 (3 cr)
- PHYS 186: College Physics II (4 cr)
- Elementary Foreign Language I (3 cr)

SPRING - Semester 4

- CHEM 326: WE Quantum Mechanics and Spectroscopy Laboratory (2 cr)
- BCMB Elective 2 with lab (4 cr)
- BCMB Elective 3 (3 cr)
- Elementary Foreign Language II (3 cr)

NOTES:

- WE = Writing Enhanced course
- The Dialogues curriculum requires a certain number of courses/credit hours in the following Perspectives: Social, Arts and Humanities, STEM, Communications, and Statistics. The exact number of courses a student will be required to take during their undergraduate career varies individually according to the credit transferred in.

Department Chair: Please contact the Center for Academic Excellence (advise@truman.edu) with any updates to the plan above.