

## Biology (BA/BS)

### Semester 1

- TRU 120: First Year Seminar (3 cr)
- **BIOL 107: Cells, Molecules, & Genes** (4 cr)
- ENG 190: Writing as Critical Thinking (3 cr)
- Math 156: College Algebra (*or placement*) (3-5 cr)
- Dialogues Curriculum course (3 cr)

### Semester 3

- **BIOL 210: WE/Intro to Writing about Biology (*or Spring*)** (3 cr)
- **BIOL Core Elective #1** (3 cr)
- CHEM 131: Chemical Principles II (4 cr)
- MATH 198: Analytic Geometry and Calculus (5 cr)

### Semester 5

- CHEM 330: Organic Chemistry Lab I (1 cr)
- CHEM 331: Organic Chemistry II (3 cr)
- PHYS 185: College Physics I (4 cr)
- **BIOL Core Elective #2 (*or Spring*)** (3 cr)
- Elective or Dialogues Curriculum course (3 cr)

### Semester 7

- **BIOL Elective or Learning Plan (\*)**
- **BIOL Elective or Learning Plan (\*)**
- Elective(s) and/or Dialogues Curriculum course

(\*) = Can be taken any semester, typically junior and/or senior year.

### Semester 2

- **BIOL 104: Ecology and Evolution of the Organism** (4 cr)
- CHEM 130: Chemical Principles I (4 cr)
- Math 157: Plane Trig (*or placement*) (3-5 cr)
- Dialogues Curriculum course (3 cr)

### Semester 4

- **BIOL 300: Genetics (*or Fall*)** (4 cr)
- CHEM 329: Organic Chemistry I (3 cr), **OR** CHEM 320: Foundations of Organic Chemistry (4cr)
- STAT 190: Statistics (3 cr)
- Dialogues Curriculum course (3 cr)

### Semester 6

- CHEM 332: Organic Chemistry Lab II (1 cr)
- PHYS 186: College Physics II (4 cr)
- **BIOL Elective or Learning Plan (\*)** (3 cr)
- JINS 3XX: WE/\_\_\_\_\_ (3 cr)
- Elective(s) and/or Dialogues Curriculum course (3 cr)

(\*) = Can be taken any semester, typically junior and/or senior year.

### Semester 8

- **BIOL 545: Senior Biology Capstone** (1 cr)
- **BIOL Elective or Learning Plan (\*)** (3 cr)
- Elective(s) and/or Dialogues Curriculum course (9 cr)

(\*) = Can be taken any semester, typically junior and/or senior year.

## NOTES:

- (\*) = Can be taken any semester, typically junior and/or senior year.
- WE = Writing Enhanced course
- If you have not completed the Civics Exam, we recommend doing so in your **first year**.
- Truman students are required to complete a [Portfolio](#) to graduate. We recommend starting to compile your work for the Portfolio sooner than later.
- Students must complete their Application to Graduate **the semester prior to graduating**. Apply to graduate through TruView.
- Graduating seniors need to complete their seniors test and questionnaire. We recommend reviewing the [Assessment & Testing page](#) to plan accordingly.
- **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](#) with any updates to the plan

above. Rev. 7-31-24