

Biology (BS), Pre-Med Track

This sample academic plan was developed by the Pre-Med Committee to assist students interested in pursuing medical school after graduation from Truman with course sequencing. The listed courses fulfill the Biology (BS) degree requirements while also incorporating prerequisites required by most medical schools. For a list of suggested pre-medical prerequisite courses, click [here](#).

Semester 1

- TRU 120: First Year Seminar (3 cr)
- BIOL 107: Cells, Molecules, & Genes (4 cr)
- MATH 198: Analytic Geometry & Calculus (5 cr)
- CHEM 130: Chemical Principles I (4 cr)

Semester 3

- BIOL 210: WE/Intro to Writing about Biology (3 cr)
- BIOL 304: General Microbiology **OR** BIOL 301: Introduction to Ecology (4 cr)
- CHEM 329: Organic Chemistry I (3 cr)
- Elementary Foreign Language I (or as placed) (3 cr)
- Dialogues Curriculum course (3 cr)

Semester 5

- BIOL 322: Principles of Human Physiology (**or** BIOL 315, 332, 330) (3 cr)
- CHEM 332: Organic Chemistry Lab II (1 cr)
- PHYS 185: College Physics I (4 cr)
- HLTH 255: Introduction to Community and Public Health (3 cr)
- JINS 3XX: WE/Junior Interdisciplinary Seminar (3 cr)

Semester 7

- BIOL Elective or Learning Plan course (4 cr)
- BIOL Elective or Learning Plan course (4 cr)
- Writing-Enhanced course (3 cr)
- Dialogues Curriculum course (3 cr)

Semester 2

- BIOL 104: Ecology and Evolution of the Organism (4 cr)
- CHEM 131: Chemical Principles II (4 cr)
- ENG 190: Writing as Critical Thinking (3 cr)
- COMM 170: Public Speaking (3 cr)

Semester 4

- BIOL 300: Genetics (4 cr)
- CHEM 330: Organic Chemistry Lab I (1 cr)
- CHEM 331: Organic Chemistry II (3 cr)
- STAT 190: Statistics (3 cr)
- PSYC 166: General Psychology (3 cr)
- Elementary Foreign Language II (or as placed) (3 cr)

Semester 6

- BIOL Elective or Learning Plan course (4 cr)
- CHEM 335: Biochemistry I (3 cr)
- PHYS 186: College Physics II (4 cr)
- HLTH 270: Health Systems and Consumers (3 cr) *

*Fulfills Intercultural Perspective requirement.

Semester 8

- BIOL 545: Senior Seminar (1 cr)
- BIOL Elective or Learning Plan course (4 cr)
- Dialogues Curriculum courses or Electives (9 cr)

NOTES:

- 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. Revised 10-4-2025.