Bachelor of Science in Biochemistry (Starting with Calculus)

Required Semester Credit Hours (SCH): 120

Refer to the University Catalog for all degree requirements at catalog.utep.edu.
Many core curriculum courses are also offered in the summer (Su). Students are encouraged to register early and check Goldmine for course availability. The flowchart below may not reflect all student schedules; courses can be shifted to different semesters where applicable.

Bachelor of Science in Biochemistry

**Freshman Year**
- First Semester (15 SCH)
  - CHEM 1305 + 1105
    - General Chemistry I + Lab
  - RWS 1301
    - Rhetoric & Composition I
  - SCI 1301
    - Inquiry to Math and Science
  - MATH 1411
    - Calculus I
- Second Semester (17 SCH)
  - HIST 1301
    - History of U.S. to 1865
  - CHEM 1306 + 1106
    - General Chemistry II + Lab
  - MATH 1412
    - Calculus II

**Sophomore Year**
- First Semester (16 SCH)
  - CHEM 2321 + 2221
    - Organic Chemistry I + Lab
  - PHYS 2320 + 2120
    - Introductory Mechanics & Lab
- Second Semester (15 SCH)
  - HIST 1302
    - History of U.S. since 1865
  - SCI 1302
    - General Chemistry II + Lab
  - MATH 2411
    - Calculus III

**Junior Year**
- First Semester (17 SCH)
  - POLS 2310
    - Introduction to Politics
  - BIOL 1305 + 1107
    - General Biology + Lab
  - PHYS 2321 + 2121
    - Introductory Electromagnetism & Lab
- Second Semester (13 SCH)
  - PSYC 1301
    - Intro to Psychology
  - CHEM 3310 + 3110
    - Analytical Chemistry + Lab
  - RWS 1302
    - Rhetoric & Composition II

**Senior Year**
- First Semester (14 SCH)
  - ART 1300
    - Art Appreciation
  - CHEM 3320
    - Biochemistry
  - MATH 3314 + 3115
    - Molecular Biology + Lab
- Second Semester (13 SCH)
  - CHEM 4334 + 4134
    - Structural Biochemistry + Lab
  - POLS 2311
    - American Government and Politics
  - MICR 3449
    - Prokaryotic Molecular Genetics
  - BIOL 3320
    - Genetics

**Upper-Division Electives**
- (3 SCH)

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See University Catalog

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