Bachelor of Science in Physics: Medical Physics Concentration (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) semester. 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.

Freshman Year
- First Semester (14 SCH)
  - RWS 1301: Rhetoric & Composition I
  - BIOL 1305 & 1107: General Biology I & Lab
  - MATH 1411: Calculus I

- Second Semester (14 SCH)
  - RWS 1302: Rhetoric & Composition II
  - BIOL 2311 & 2111: Human Anat/Phys & Lab
  - MATH 2411: Calculus II

Sophomore Year
- First Semester (15 SCH)
  - HIST 1301: History of U.S. to 1865
  - PHIL 2301: Ethics
  - PHYS 2320 & 2120: Intro Mech & Lab

- Second Semester (16 SCH)
  - HIST 1302: History of U.S. since 1865
  - PSYC 1301: Introduction to Psychology
  - PHYS 2321 & 2121: Intro Electro & Lab

Junior Year
- First Semester (17 SCH)
  - POLS 2301: American Gov. and Politics
  - PHYS 2325: Survey of Modern Physics
  - MATH 3312: Calculus III

- Second Semester (15 SCH)
  - POLS 2311: American Gov. and Politics
  - PHYS 3243: Advanced Lab Practices
  - MATH 3332: Differential Equations

Senior Year
- First Semester (15 SCH)
  - Component Area Option
  - PHYS 3351: Analytical Mechanics
  - MATH 3335: Applied Analysis I

- Second Semester (14 SCH)
  - Component Area Option
  - PHYS 4356: Physical Optics
  - MATH 3333: Linear Algebra

Elective (3 SCH)
- Component Area Option

Text Component Area Option
* C or better required.
Arrow indicates a prerequisite.
Color-coded boxes group the course subject.
F/Sp/Su indicates the semesters Fall/Spring/Summer.

 Last Updated: February 2022