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 (F/Sp)
  - BIOL 1305 & 1107 General Biology I & Lab (F/Sp)
  - MATH 1411 Calculus I (F/Sp)

- Second Semester (14 SCH)
  - RWS 1302 Rhetoric & Composition II (F/Sp)
  - BIOL 2311 & 2111 Human Anat/Phys & Lab (F/Sp)
  - MATH 1312 Calculus II (F/Sp)

Sophomore Year
- First Semester (15 SCH)
  - PHYS 2230 & 2120 Intro Mech & Lab (F/Sp)
  - PHYS 2230 Advanced Lab Practices (F/Sp)
  - PHYS 2320 & 2120 Intro Mech & Lab (F/Sp)

- Second Semester (16 SCH)
  - PHYS 2321 & 2121 Intro Electro & Lab (F/Sp)
  - PHYS 2210 Vibrations and Waves (F/Sp)
  - MATH 2313 Calculus III (F/Sp)

Junior Year
- First Semester (17 SCH)
  - PHYS 3243 Advanced Lab Practices (F/Sp)
  - PHYS 3243 Analytical Mechanics II (F/Sp)
  - MATH 2313 Calculus III (F/Sp)

- Second Semester (15 SCH)
  - PHYS 3321 Thermodynamics (F/Sp)
  - PHYS 3352 Analytical Mechanics II (F/Sp)
  - MATH 2313 Calculus III (F/Sp)

Senior Year
- First Semester (15 SCH)
  - PHYS 3351 Analytical Mechanics (F/Sp)
  - PHYS 3351 Computational Physics (F/Sp)
  - MATH 3323, 4329, or 4336 (F/Sp)

- Second Semester (14 SCH)
  - PHYS 4355 Introductory Quantum Mechanics (F/Sp)
  - PHYS 4355 Introductory Quantum Mechanics (F/Sp)
  - MATH 3323, 4329, or 4336 (F/Sp)

Component Area Option
- PSYC 1301 Introduction to Psychology (F/Sp)

University Core Curriculum*
- COMM 1301 Public Speaking (F/Sp)
- BIOL 1305 & 1107 General Biology I & Lab (F/Sp)
- MATH 1411 Calculus I (F/Sp)
- PHYS 2230 & 2120 Intro Mech & Lab (F/Sp)
- PHYS 2230 Advanced Lab Practices (F/Sp)

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

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