Bachelor of Science in Geophysics (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.

**University Core Curriculum**

**Required Courses**

**Freshman Year**
- RWS 1301: Rhetoric & Composition I (3 SCH) (F/Sp)
- MATH 1411: Calculus I (4 SCH) (F/SP/Su)
- CHEM 1305 + 1105: General Chem I & Lab (4 SCH) (F/Sp)
- UNIV 1301 Seminar/Critical Inquiry (3 SCH) (F/Sp)
- GEOL 1313 + 1103: Intro Physical Geol & Lab (4 SCH) (F/Sp)
- MATH 1311: Calculus I (3 SCH) (F/Sp/Su)

**Sophomore Year**
- RWS 1302: Rhetoric & Composition II (3 SCH) (F/Sp/Su)
- GEOL 1314 + 1104: Intro Historical Geo & Lab (4 SCH) (F/Sp)
- PHYS 2420: Intro to Mechanics (4 SCH) (F/Sp/Su)
- MATH 1312: Calculus II (3 SCH) (F/Sp/Su)
- CHEM 1306 + 1106: General Chem II & Lab (4 SCH) (F/Sp)
- GEOL 2309 + 2109: Mineralogy & Petrology & Lab (4 SCH) (F/Sp)
- GEOL 3312 + 3112: Geoscience Processes (4 SCH) (F/Sp)

**Junior Year**
- PHYS 2421: Fields and Waves (4 SCH) (F/Sp/Su)
- MATH 2313: Calculus III (3 SCH) (F/Sp/Su)
- CHEM 3155 + 3115: Igneous Metamorphic Petro & Lab (4 SCH) (F/Sp)
- PHYS 2230: Thermal & Fluid Physics (2 SCH) (F/Sp/Su)
- GEOL 3320A: Introduction to Geophysics (3 SCH) (F/Sp)
- GEOL 3312 + 3112: Geoscience Processes (4 SCH) (F/Sp)
- GEOP 3320B: Data Interp in Geoscience (3 SCH) (F/Sp)

**Senior Year**
- GEOP 4375: Field Geology I (3 SCH) (F/Sp)
- PHYS 3421: Fields & Waves (4 SCH) (F/Sp/Su)
- GEOG 3326 + 3126: Sediment & Strat & Lab (4 SCH) (F/Sp)
- GEOL 3323 + 3123: Structural Geology & Lab (4 SCH) (F/Sp)
- GEOP 4350: Field Geophysics (3 SCH) (F/Sp)
- COMM 1302: Business & Prof Comm (3 SCH) (F/Sp)
- GEOP 4420B: Applied Geophysics Non Seis (4 SCH) (F/Sp)
- Elective (3 SCH) (F/Sp)
- Elective (3 SCH) (F/Sp)
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**Required Semester Credit Hours (SCH): 120**

**Spring:**
- HIST 1301: History of U.S. to 1865 (3 SCH) (F/Sp)
- HIST 1302: History of U.S. since 1865 (3 SCH) (F/Sp)
- POLS 2310: Introduction to Politics (3 SCH) (F/Sp)
- POLS 2310: Introduction to Politics (3 SCH) (F/Sp/Su)

**Fall:**
- MATH 2313: Calculus III (3 SCH) (F/Sp/Su)
- MATH 2326: Differential Equations (3 SCH) (F/Sp/Su)
- GEOP 3320B: Data Interp in Geoscience (3 SCH) (F/Sp)
- Elective (3 SCH) (F/Sp)
- Elective (3 SCH) (F/Sp)
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- Elective (3 SCH) (F/Sp)

**Notes:**
- *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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