

**Bachelor of Arts with a Major in Physics**  
2012-14 Catalog (Expires August 2020)

**University Core Curriculum**

**First-Year Signature Course:** UGS 302 or 303 \_\_\_\_

**English:** RHE 306 \_\_\_\_

**Humanities:** E 316K \_\_\_\_

**American & Texas Government:** 6 hrs from approved core list  
\_\_\_\_ + \_\_\_\_

**American History:** 6 hrs from approved core list  
\_\_\_\_ + \_\_\_\_

**Social and Behavioral Science:** 3 hrs from approved core list \_\_\_\_

**Mathematics:** 3 hrs from approved core list: \_\_\_\_ [M 408N or 408C]

**Science and Technology Part I:** 6 hrs in a single subject from approved core list: \_\_\_\_ + \_\_\_\_ [CH 301 + CH 302]

**Science and Technology Part II:** 3 hrs from a subject other than the one chosen for Part I from approved core list: \_\_\_\_  
[PHY 301]

**Visual & Performing Arts:** 3 hrs from approved core list \_\_\_\_

Note that no single course may be used to fulfill two core areas simultaneously. In most cases, students may satisfy both a *core requirement* and a *major requirement* with a single course. Plan II students may have additional options for some core requirements.

**Additional General Education Requirement**

**Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division):** \_\_\_\_ + \_\_\_\_

**Writing Flags may satisfy other specific degree requirements.**

**Foreign Language:** 4 semesters in a single language or attainment of 4th semester foreign language proficiency: \_\_\_\_ + \_\_\_\_ + \_\_\_\_

**Social Science:** 3 hrs from a single field of study *different* than the course used for the Social & Behavior Science core requirement, chosen from list maintained by College of Liberal Arts: \_\_\_\_

**Cultural Expression, Human Experience, and Thought:** 3 hrs chosen from a list maintained by the College of Liberal Arts: \_\_\_\_

**Natural Science:** 6 hours, in addition to courses counted toward the core curriculum (courses taken for the major will fulfill this requirement).

**Mathematics and Science, with Grades of C- or Better**

**Mathematics:** M 408C \_\_\_\_ + M 408D \_\_\_\_  
(or equivalent calculus sequence)

**Chemistry:** CH 301 or 301H \_\_\_\_ + CH 302 or 302H \_\_\_\_ + CH 204 \_\_\_\_

**Physics:** PHY 301 \_\_\_\_ + PHY 101L \_\_\_\_ + PHY 316 \_\_\_\_ + PHY 116L \_\_\_\_

*Although not listed as part of the degree requirements, these courses, or an equivalent physics sequence approved by the Undergraduate Advisor, are prerequisites for physics courses required in the major*

**Major Requirements in Physics with grades of C- or better**

**Lower-Division Physics:** PHY 315 \_\_\_\_ + PHY 115L \_\_\_\_

**Upper-Division Physics:** PHY 355 \_\_\_\_ + PHY 336K \_\_\_\_ + PHY 352K \_\_\_\_ + PHY 353L \_\_\_\_  
6 additional hours of upper-division physics: PHY \_\_\_\_ + PHY \_\_\_\_

**Minor Requirements with grades of C- or better**

**First Minor:** 12 semester hours in mathematics, including at least 3 hours in upper-division differential equations and 3 additional hours of upper-division:

M 427K \_\_\_\_ + M 3 upper-division \_\_\_\_ + M \_\_\_\_ + M \_\_\_\_

**Note:** M 408C and 408D, or alternative calculus sequences, may count toward the 6 hours of lower-division mathematics.

