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 hrs, 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.*
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**Second Minor:** 6 semester hours (including at least 3 upper-division) from one of the following areas: Biology, Chemistry, Geological Sciences, Philosophy, Psychology or courses offered in the College of Education or the College of Engineering: _____ + _____

*Note: Courses used to fulfill specific degree requirements in the core curriculum and general education requirements – other than the writing flags – may not be used to fulfill this requirement*

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<th>Enough Additional Elective Hours to Reach a Total of 120 Hours (including 36 Upper-division Hours)</th>
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**Minimum Grade Point Average Requirements**

- 2.0 grade point average in all mathematics and science courses required by degree*: _____
- 2.0 grade point average in all courses taken at the University of Texas at Austin: _____

* Required Mathematics and Science courses may include: ACF, AST, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

**Total Hours and Residency Requirements**

- 120 semester hours: __________ 60 hours in residence: __________
- 36 upper-division hours: __________ 21 upper-division hours in residence: __________
- 24 of the last 30 hours in residence: __________ 18 hours of the major, including 6 upper-division, in residence: __________

No more than 16 hours of electives may be taken Pass/Fail. No more than 42 hours in a single field of study may be counted toward the degree. The following courses will not count toward this degree: some Elements of Computing courses, KIN 119, or PED one-hour activity courses. Please check course descriptions of lower-division science courses not required for majors in the same field of study to see if they can or cannot count toward your degree.

Students may earn only one BA degree, though they may earn multiple majors. Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor’s degree that requires the higher number of credit hours.

*CNS Academic Records January 2013*