

Bachelor of Arts with a Major in Physics
2010-12 Catalog (Expires August 2018)

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

Substantial Writing Components and/or Writing Flags (including a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____

Substantial Writing Components and 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).

Introductory 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 (at least 6 must be upper-division) including 3 semester hours of differential equations:

M 427K ____ + M ____ + M ____ + M ____

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Second Minor: 6 semester hours (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

Enough Additional Elective Hours to Reach a Total of 120 Hours (including 36 Upper-division Hours) _____

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, 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: ____

18 hours of the major, including 6 upper-division, in residence: ____

Minimum 2.0 UT grade point average: ____

24 of the last 30 hours 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. 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.

Additional Information _____

The following courses will not count toward this degree: M 301, M 316K, M 316L, KIN 119 or PED one-hour activity courses. No more than 12 semester hours of bible coursework may be counted toward the degree. See catalog for restrictions about using ROTC coursework.

CNS Academic Records June 2010