

# Bachelor of Science in Physics: Honors Option

## 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 305G, 408C, 408N, or 408K: can be filled using credit by exam]

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

**Science and Technology Part II:** 3 hrs from a subject other than the one chosen for Part I from approved core list: \_\_\_\_ [BIO 315H]

**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 Requirements

**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:** *Students who did not complete 2 years in a single foreign language in high school must complete the following:*  
2 semesters in a single language or attainment of 2nd semester foreign language proficiency: \_\_\_\_ + \_\_\_\_

### Dean's Scholars Honors Program Requirements

#### Introductory Honors Coursework:

NSC 301C or UGS 303 \_\_\_\_ + RHE 309S (section restricted to Dean's Scholars): \_\_\_\_ + Honors Math (see Breadth Section) \_\_\_\_

**Thesis hours:** 6 hours minimum, with grades of C- or better: PHY 379H \_\_\_\_ + 3 hrs upper-division research\* \_\_\_\_

\* Approved by the departmental honors advisor.

The thesis must be approved by departmental honors advisor. In addition, research must be presented in an approved public forum, such as the annual College of Natural Sciences' Undergraduate Research Forum.

### Dean's Scholars Breadth Requirement with Grades of C- or Better

Credit by advanced placement *may not* be counted toward the breadth requirement for the degree.

**Honors Mathematics:** M 427K \_\_\_\_ + 427L \_\_\_\_ (at least one of which must be designated as an honors section)

**Honors Biology:** BIO 315H \_\_\_\_ + 325H \_\_\_\_

**Honors Chemistry:** CH 301H \_\_\_\_ + 302H \_\_\_\_

### Physics and Mathematics with Grades of C- or Better (Minimum 36 Upper-division Hours

Exceptions or substitutions to major hours are determined by the Astronomy Department's representative to the Dean's Scholars Steering Committee and are subject to the approval of the Director of the Dean's Scholars Honors Program. Major hours must be taken for a letter grade.

PHY 301 \_\_\_\_ PHY 101L \_\_\_\_ PHY 316 \_\_\_\_ PHY 116L \_\_\_\_ PHY 315 \_\_\_\_ PHY 115L \_\_\_\_

M340L \_\_\_\_ M 361 \_\_\_\_ PHY 336K \_\_\_\_ PHY 352K \_\_\_\_ PHY 353L \_\_\_\_ PHY 355 \_\_\_\_

PHY 373 \_\_\_\_ PHY 369 \_\_\_\_ PHY 362K \_\_\_\_ PHY 362L \_\_\_\_ PHY 474 \_\_\_\_

### Additional Coursework Approved by Departmental Honors Advisor

Courses to be determined under the direction of a faculty member and subject to the approval of the Director of the Dean's Scholars Honors Program.

**10 hours:** \_\_\_\_ + \_\_\_\_ + \_\_\_\_ + \_\_\_\_

**Bachelor of Science in Physics: Honors Option**  
2010-12 Catalog (Expires August 2018)

**Coursework from College of Fine Arts and the College of Liberal Arts**

6 hours from the College of Fine Arts and the College of Liberal Arts: \_\_\_\_\_ + \_\_\_\_\_

*Note: the courses may also satisfy the Social and Behavioral Science and Visual and Performing Arts core curriculum by selecting carefully from the approved core curriculum list.*

**Enough Additional Elective Hours to Reach a Total of 120 Hours (including 36 Upper Division Hours)**

*Note: This is the only requirement in which pass/fail enrollments may be counted.* \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_

**Minimum Grade Point Average Requirements**

**2.0 grade point average in all mathematics and science courses required by degree \*:** \_\_\_\_\_

**3.5 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, Residency Requirements, and Additional Requirements Specific to Dean's Scholars Honors Program**

120 semester hours: _____	36 upper-division hours _____
60 hours in residence: _____	24 of the last 30 hours in residence: _____
12 upper-division Physics hours in residence: _____	No more than 16 hours of electives may be taken Pass/Fail.

*Failure to maintain a 3.25 grade point average usually results in academic dismissal from the honors option.*

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.