

Bachelor of Science in Physics
Option VI: Honors
2014-16 Catalog (Expires August 2022)

University Core Curriculum	Lacking
First-Year Signature Course: UGS 303 ____	
English: RHE 306 ____	
Humanities: One course chosen from E 316K (if taken prior to Fall 2014), 316L, 316M, 316N, 316P ____	
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: ____	
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 approved list in a subject other than the one chosen for Part I: ____ [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 <i>core requirement</i> and a <i>major requirement</i> with a single course.	

Additional General Education Requirements	Lacking
Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____	
Quantitative Reasoning Flag Course: ____	
Writing and Quantitative Reasoning Flag courses may satisfy other degree requirements	

Dean's Scholars Honors Program Requirements	Lacking
UGS 303* ____ (Dean's Scholars) + RHE 309S (section restricted to Dean's Scholars): ____	
Thesis hours, with grades of A- or better: PHY 379H ____ + 3 hours upper-division research course approved by departmental honors advisor*:	
*This course must be 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	Lacking
<i>Credit earned by examination may not be counted toward the breadth requirement for the degree.</i>	
Mathematics: M 427K + 427L ____	
<i>Note: At least one math course must be designated an honors section.</i>	
Honors Chemistry: CH 301H ____ + 302H ____	
Honors Biology: BIO 315H ____ + 325H ____	

Mathematics and Introductory Science with grades of C- or better	Lacking
Physics: PHY 301 ____ + 101L ____ + 316 ____ + 116L ____ + 315 ____ + 115L ____	
Mathematics: M 340L ____ + 361 ____	

Physics Honors with grades of C- or better	Lacking
PHY 336K, Classical Dynamics: ____	
PHY 352K, Classical Electrodynamics I: ____	
PHY 353L, Modern Physics Laboratory: ____	
PHY 355, Modern Physics and Thermodynamics: ____	
PHY 362K, Quantum Physics II: Atoms and Molecules: ____	
PHY 362L, Quantum Physics III: Particles and Nuclei: ____	
PHY 369, Thermodynamics and Statistical Mechanics: ____	
PHY 373, Quantum Physics I: Foundations: ____	
PHY 474, Advanced Laboratory I: ____	

Coursework from College of Fine Arts and the College of Liberal Arts	Lacking
6 hours from the College of Fine Arts and the College of Liberal Arts: ____ + ____	
<i>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.</i>	

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Additional Coursework Approved by Departmental Honors Advisor	Lacking
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: _____ + _____ + _____ + _____	
Enough Additional Elective Hours to Reach a Total of 120 Hours (including 36 upper-division Hours)	Lacking
Minimum Grade Point Average Requirements	Lacking
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, BCH, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PBH, PHY, SSC, SDS, TXA, and UTS-Natural Sciences.	
Total Hours and Residency Requirements	Lacking
120 semester hours: _____	
36 upper-division hours: _____	
21 upper-division hours in residence, including at least 12 hours in PHY: _____	
60 hours in residence: _____	
No more than 6 hours of electives may be taken Pass/Fail. No more than 3 three-hour courses in Air Force Science, Military Science, and Naval Science may be counted toward the degree. The following courses will not count toward this degree: M 301, 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 this degree.	
A student may not earn more than one Bachelor of Arts or Bachelor of Science and Arts degree from the University. A student may earn only one undergraduate degree in a particular field of study from the College of Natural Sciences. A student who holds a Bachelor of Arts or a Bachelor of Science and Arts degree from the university may earn a second major designation in another field of study that will appear on the University transcript.	
The title of the degree appears on the diploma, but the major does not. The title of the degree, the major, and the transcript-recognized certificate appear on the official transcript.	