

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

University Core Curriculum	Lacking
First-Year Signature Course: UGS 302 or 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: ____ [M 408C or M 408N]	
Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [PHY 301 + 316]	
Science and Technology Part II: 3 hrs from approved list in a subject other than the one chosen for Part I: ____ [CH 301 or 301H]	
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	
Foreign Language, Option A, B, or C: ____ + ____ A. Two semesters in a single language or attainment of second-semester proficiency in one language. B. First semester-level proficiency in a foreign language and a three-hour course in the culture of the same language area. C. Two three-hour culture courses chosen from one foreign culture area from an approved list available in the CNS Dean's office and the college advising centers.	

Mathematics and Introductory Science with grades of C- or better	Lacking
Calculus: M 408C ____ + 408D ____ OR M 408N ____ + 408S ____ + 408M ____	
Physics: PHY 301 ____ + 101L ____ + 316 ____ + 116L ____ + 315 ____ + 115L ____	
Mathematics: M 427K ____ + 427L ____	
6 additional hours of upper-division mathematics: ____ + ____ (M 340L, 361, and 362K are recommended)	
Chemistry: CH 301 or 301H ____ + CH 302 or 302H ____	
Biology: BIO 311C ____ + 311D ____ + 325 ____ OR 315H ____ + 325H ____	
Biology laboratory: BIO 206L ____	

Physics, biophysics option, requirements with grades of C- or better	Lacking
<i>Complete the following courses or their equivalents:</i> PHY 336K, Classical Dynamics: ____	
PHY 345, Biophysics: ____	
PHY 352K, Classical Electrodynamics I: ____	
PHY 353L, Modern Physics Laboratory: ____	
PHY 355, Modern Physics and Thermodynamics: ____	
PHY 369, Thermodynamics and Statistical Mechanics: ____	
PHY 373, Quantum Physics I: Foundations: ____	

Biology and Chemistry Requirements with grades of C- or better	Lacking
Organic chemistry and biochemistry: CH 320M or 328M ____ + BCH 369 ____	
<i>Complete one of the following options:</i> A. Cell Biology: BIO 320 ____ B. Microbiology: BIO 326R ____ C. Developmental Biology: BIO 349 ____ D. Neurobiology: NEU 365R or BIO 371M ____ E. Virology: BIO 330 ____ F. Computation: SDS 335 ____ + BIO 337J or SDS 339 (Topics: Computational Biology or Computational Chemistry) ____	
<i>Note: A list of recommended biology laboratory courses to complement the biology lecture courses are available in the advising center. Complementary biology laboratory courses are not required.</i>	

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Enough Additional Elective Hours to Reach a Total of 126 Hours (including 36 upper-division Hours)	Lacking
<i>Note: Only mathematics courses at the level of calculus and above may count toward the total number of hours required for the degree. The following courses will not count toward the degree: M 301, 302, 303D, 303F, 403K, 403L, 304E, 305E, 305G (or 405G or 505G), 310P, 316K, and 316L: _____</i>	
Minimum Grade Point Average Requirements	Lacking
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, 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
126 semester hours: _____	
36 upper-division hours: _____	
21 upper-division hours in residence, including at least 12 hours of 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.	