

Bachelor of Science in Physics
Option V: Teaching
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 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: ____	
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	

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 ____	

Physics Requirements with grades of C- or better	Lacking
PHY 353L, Modern Physics Laboratory: ____	
PHY 355, Modern Physics and Thermodynamics: ____	
<i>Complete three of the following courses:</i> PHY 329, 333, 336K, 338K, 352K, 373; SCI 360 (Topic 4: Physics by Inquiry): ____ + ____ + ____	
PHY 341, Topic 7: Research Methods: UTeach: ____ <i>Note: With consent of UTeach Natural Sciences undergraduate advisor, an upper-division physics course that includes a substantial research component may be substituted for PHY 341.</i>	

Professional Development Coursework (18 hours) with grades of C- or better	Lacking
EDC 650S: ____	
EDC 365C or UTS 350: ____	
EDC 365E or UTS 360: ____	
UTS 101, 110, and 170: ____ + ____ + ____	
HIS 329U or PHL 329U: ____	
<i>If seeking middle grade certification, complete the following courses or group of courses:</i> Educational Psychology 363M (Topic 3: Adolescent Development) or Psychology 301 + 304: ____ + ____	
EDC 339E: ____	

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Certification with grades of C- or better	Lacking
<p><i>Complete one of the following certification areas:</i></p> <p>A. Composite Science Certification</p> <p>i. BIO 311C ___ + 311D ___</p> <p>ii. CH 301 or 301H ___ + 302 or 302H ___</p> <p>iii. 6 hours in Geological Sciences: ___ + ___</p> <p><i>Note: A course may not be used to fulfill this requirement if it cannot be counted toward major requirements in the department that offers it.</i></p> <p>iv. 6 hours of additional approved coursework from one of the following areas: Biology, Chemistry, or Geological Sciences: ___ + ___</p> <p>B. Physical Sciences Certification</p> <p>i. CH 301 or 301H ___ + 302 or 302H ___ + 204 or 317 ___ + 353 ___ + 153K ___ + 154K ___ + 354L ___ + 455 or 456 ___</p> <p>ii. 3 additional hours of upper-division Physics: ___</p> <p>C. Physics/Mathematics Certification</p> <p>i. M 315C ___ + 325K ___ + 333L ___ + 341 or 340L ___ + 358K ___ + 362K ___ + 360M or 375D ___</p> <p>D. Mathematics, Physical Science, & Engineering Certification</p> <p>i. M 315C ___ + 325K ___ + 333L ___ + 358K ___ + 362K ___</p> <p>ii. CH 301 or 301H ___ + 302 or 302H ___ + 204 ___</p> <p>iii. Chemical Engineering 379 (Topic: Fundamentals of Engineering and Design): ___ Chemical Engineering 379 (Topic: Engineering Energy Systems): ___ Mechanical Engineering 379M (Topic: Design of Machines and Systems): ___</p>	
Enough Additional Elective Hours to Reach a Total of 126 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 *:	_____
2.5 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
126 semester hours: ___	
36 upper-division hours: ___	
21 upper-division hours in residence, including at least 12 hours of PHY: ___	
60 hours in residence: ___	
<p>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.</p> <p>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.</p> <p>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 record.</p>	