

Bachelor of Science in Chemistry
Option III: 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 Sciences: 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: ____ + ____ [CH 301 or 301H + CH 302 or 302H]	
Science and Technology Part II: 3 hrs from approved list in a subject other than the one chosen for Part I: ____ [PHY 301, 303K, or 317K]	
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.	

Introductory Mathematics and Science with grades of C- or better	Lacking
Mathematics: M 408C + M 408D: ____ + ____ or M 408N + M 408S + 408M: ____ + ____ + ____	
<i>Complete one of the following options:</i>	
A. Physics for Composite Science Certification: 8 hours chosen from one of the following sequences: ____ + ____ + ____ + ____	
A. PHY 317K + 117M AND 317L + 117N	
B. PHY 301 + 101L AND 316 + 116L	
C. PHY 303K + 103M AND 303L + 103N	
B. Physics for Physical Sciences Certification; or Mathematics, Physical Science, and Engineering Certification: 12 hours chosen from one of the following sequences: ____ + ____ + ____ + ____ + ____ + ____	
A. PHY 301 + 101L AND 316 + 116L AND 315 + 115L	
B. PHY 303K + 103M AND 303L + 103N AND 315 + 115L	
<i>SCI 360 (Topic 4: Physics by Inquiry) and PHY 108 may substitute for PHY 316 + 116L, 317 + 117N, 303L + 103N, or 302L + 102N. PHY 108 is offered on the pass/fail basis.</i>	

Chemistry courses common to all BS Chemistry teaching certifications, with grades of C- or better	Lacking
General Chemistry: CH 301 or 301H and CH 302 or 302H + CH 317: ____ + ____ + ____	
Organic Chemistry: <i>Complete one of the following sequences:</i>	
A. CH 328M + 128K and CH 328N + 128L: ____ + ____ + ____ + ____	
B. CH 320M and CH 320N + 220C: ____ + ____ + ____	
Research: CH 368 (Topic 1: <i>Research Methods: UTeach</i>), or (with advisor approval) an upper-division CH course that includes a substantial research component: ____	

UTeach and Professional Development Coursework, with grades of C- or better	Lacking
HIS 329U or PHL 329U: ____	
EDC 650S: ____	
EDC 365C or UTS 350: ____	
EDC 365D or UTS 355: ____	
EDC 365E or UTS 360: ____	
UTS 101 + 110 + 170: ____ + ____ + ____	
Pass final teaching portfolio review: ____	
<i>If seeking middle grade certification, complete the following courses or group of courses with a grade of C- or better:</i>	
EDC 339E + EDP 363M (Topic 3: <i>Adolescent Development</i>) or both PSY 301 + 304: ____ + ____ (2 to 4 courses)	

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Additional Certification Requirements, with grades of C- or better	Lacking
<i>Complete one of the following certification areas</i>	
<p>A. Composite Science Certification</p> <ul style="list-style-type: none"> i. CH 353 + 455 or 456: ____ + ____ ii. BCH 369 or 339F: ____ iii. 4 additional hours of Chemistry to reach a minimum of 34 hours: ____ + ____ iv. BIO 311C + BIO 311D: ____ + ____ v. 6 hours of majors-level GEO coursework: ____ + ____ vi. Enough additional approved coursework in BIO, GEO, or PHY to provide the required 12 hours in a second field: ____ + ____ + ____ + ____ 	
<p>B. Physical Sciences Certification</p> <ul style="list-style-type: none"> i. CH 353 + 153K + 354L + 154K: ____ + ____ + ____ + ____ ii. CH 354 + 455 or 456: ____ + ____ iii. BCH 369 or 339F: ____ iv. M 427K + 427L: ____ + ____ v. 3 hours of upper-division coursework in PHY: ____ <p>No additional hours in Chemistry are needed to reach a minimum of 34 hours required for this certification.</p>	
<p>C. Mathematics, Physical Science, and Engineering Certification</p> <ul style="list-style-type: none"> i. CH 353 + 153K: ____ + ____ ii. CH 455: ____ iii. BCH 369: ____ iv. M 315C + 360M or 357D (Topic: <i>Discovery: Introduction to Advanced Study in Mathematics</i>) + 427K + 333L: ____ + ____ + ____ + ____ v. CHE 379 (Topics: <i>Fundamentals of Engineering and Design</i>) + 379 (Topic: <i>Engineering Energy Systems</i>) + M E 379M (Topic: <i>Design of Machines and Systems</i>): ____ + ____ + ____ <p>No additional hours in Chemistry are needed to reach a minimum of 30 hours required for this certification.</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, SDS, SSC, 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 semester hours of upper-division coursework in Chemistry): ____	
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, Bachelor of Science and Arts, or Bachelor of Science in Environmental Science 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.</p>	