

Bachelor of Science in Chemistry
Option I: Chemistry
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 or equiv.]	
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.	

Introductory Mathematics and Science with grades of C- or better	Lacking
Mathematics: M 408C + M 408D: ____ + ____ or M 408N + M 408S + 408M: ____ + ____ + ____	
<i>Complete at least 3 hours of upper-division coursework in Mathematics or Computer Science:</i> ____	
Physics: 8 hours chosen from one of the following sequences (lecture and accompanying lab): ____ + ____ + ____ + ____	
A. PHY 317K + 117M AND 317L + 117N B. PHY 301 + 101L AND 316 + 116L C. PHY 303K + 103M AND 303L + 103N	

Chemistry courses required for all BS Chemistry options, 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: ____ + ____ + ____	
Biochemistry: BCH 369 or 339F: ____	
Physical Chemistry: CH 353 or 353M + 153K and CH 354 or 354L + 154K: ____ + ____ + ____ + ____	
Inorganic Chemistry: CH 431: ____	
Analytical Chemistry: CH 456 + 376K: ____ + ____	

Chemistry Option I coursework with grades of C- or better	Lacking
<i>Complete 6 hours of coursework chosen from the following courses. At least 3 of these 6 hours must be laboratory courses, designated by an asterisk*:</i> ____ + ____	
BCH 339J Chemical and Synthetic Biology	CH 341 Special Topics in Laboratory Chemistry*
BCH 364C Bioinformatics	CH 354 Quantum Chemistry and Spectroscopy
BCH 364D Macromolecular Structure and Determination	CH 354L Physical Chemistry II
BCH 364E Systems Biology	CH 354S Elements of Spectroscopy
BCH 364F Astrobiology	CH 367C Materials Chemistry
BCH 369L Biochemistry Laboratory*	CH 367L Macromolecular Chemistry
BCH 370 Physical Methods for Biochemistry	CH 368 Advanced Topics in Chemistry
	CH 369K Techniques in Research*
	CH 371K Science Outreach in Elementary Schools*
	CH 372C Chemistry Peer Mentors in Research and Teaching*
<i>CH courses continued on next page</i>	

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CH 375K Individual Study in Chemistry and Biochemistry CH 475K Individual Study in Chemistry and Biochemistry	
<i>CH 341 and 368 may be repeated for credit toward this requirement when the topics vary. No more than 3 hours in CH 369K, 371K, or 372C may be counted toward this requirement.</i>	
<i>Complete 9 additional hours in the College of Natural Sciences (outside of Chemistry), the Cockrell School of Engineering, and the Jackson School of Geosciences. Only majors-level courses designed for science or engineering majors may be counted, with the exception of courses included in the Elements of Computing Certificate program. No more than 6 hours of laboratory or field research from the Jackson School, any department in the College of Natural Sciences, or the Cockrell School may be counted: ____ + ____ + ____</i>	

Enough Additional Elective Hours to Reach a Total of 127 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*: ____	
2.0 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, SDS, SSC, TXA, and UTS-Natural Sciences.	

Total Hours and Residency Requirements	Lacking
127 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: ____	
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, 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.	