

Bachelor of Science in Mathematics
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 Sciences: 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: ____ + ____	
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.	

Introductory Math and Science with grades of C- or better	Lacking
M 408C + M 408D: ____ + ____ or M 408N + M 408S + 408M: ____ + ____ + ____	
M 315C: ____	

Mathematics Teaching Coursework with grades of C- or better	Lacking
Students are encouraged to become familiar with a variety of mathematical software relevant to middle grades or secondary teaching, such as computer geometry systems, spreadsheets, and statistical software. Whenever possible, the student should take courses and sections of courses that use these types of software.	
<p><i>Complete one of the following certification areas:</i></p> <p>A. Mathematics Certification: At least 32 hours of upper-division coursework in Mathematics, including:</p> <ul style="list-style-type: none"> i. M 340L or 341: ____ ii. M 325 or 328K + 333L + 358K + 362K: ____ + ____ + ____ + ____ iii. M 360M or 375D (Topic: <i>Discovery: Introduction to Advanced Study in Mathematics</i>): ____ iv. M 361K or 365C: ____ v. M 343K or 373K: ____ vi. M 427K or 378K: ____ vii. Complete 4 to 5 additional hours of coursework chosen from the list below. A course used to fulfill the preceding certification requirements may not be used toward this requirement: M 427K, 328K, 339J, 339U, 343K, 343L, 348, 360M, 361, 365C, 365D, 368K, 373K, 373L, 175T (Topic: <i>Seminar for Prospective Teachers</i>), 375D (Topic: <i>Discovery: Introduction to Advanced Study in Mathematics</i>), 378K: ____ + ____ viii. Complete one 3 hour supporting course from the following list that uses mathematics but is in a field other than mathematics. The supporting course may not also be counted toward other requirements. The following courses may be used to fulfill this requirement: ACC 310F or 311, ARE 323K, AST 307, 352K, 352L, 358, 367M, CH 301 or 301H, 303, C E 321, 341, C S 303E and 313E, ECO 420K, E E 302, 366, 366L, GEO 346C, 354, 476K, GRG 360L, GOV 341M, HDF 322, M E 320, 326, 366L, 366Q, 366R, PGE 310, PHY 301, 303K, 303L, PSY 325K, 332, SOC 369L: ____ <p>B. Mathematics, Physical Science, and Engineering Certification</p> <ul style="list-style-type: none"> i. M 325K or 328K + 427K + 333L + 341 + 358K + 362K: ____ + ____ + ____ + ____ + ____ + ____ ii. M 361K or 365C: ____ iii. M 360M or 375D (Topic: <i>Discovery: Introduction to Advanced Study in Mathematics</i>): ____ iv. PHY 301 + 101L + 316 + 116L + 315 + 115L: ____ + ____ + ____ + ____ + ____ + ____ v. CH 301 or 301H + 302 or 302 + 204: ____ + ____ + ____ vi. CHE 379 (Topic: <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>): ____ + ____ + ____ 	

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UTeach and Professional Development Coursework with grades of C- or better	Lacking
HIS 329U or PHL 329U	
BIO 337 (Topic 2: Research Methods: UTeach), CH 368 (Topic 1: Research Methods: UTeach), or PHY 341 (Topic 7: Research Methods: UTeach): _____	
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>	
EDP 363M (Topic 3: Adolescent Development) or PSY 301 + 304: _____ + _____	
EDC 339: _____	

Upper-division Coursework outside of Mathematics	Lacking
<i>Complete at least 6 hours of upper-division coursework outside of Mathematics. Philosophy courses in logic, computer science courses in discrete mathematics, and engineering courses may not be used to fulfill this requirement: _____ + _____</i>	

Enough Additional Elective Hours to Reach a Total of 126 Hours (including 42 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: _____	
42 upper-division hours: _____	
21 upper-division hours completed in residence: _____	
18 hours in Mathematics completed in residence: _____	
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.	