The University of Texas at Austin
College of Natural Sciences

Bachelor of Science in Mathematics (BS) 2022–24 Checklist

CORE CURRICULUM

Core courses must be chosen from approved lists.
bit.ly/1d6oP6l

	Minimum Hours Required
First Year Signature Course	3
English Composition	3
Humanities	3
American & Texas Government	6
American History	6
Social & Behavioral Science	3
Mathematics *(Fulfilled by course in major)*	0
Science & Technology-I	6
Science & Technology-II	3
Visual & Performing Arts	3

SKILLS & EXPERIENCE FLAGS

Flags attached to courses are displayed in the online Course Schedule.

Two Writing Flags: ☐ ☐

1. Core Writing Flag *(cannot also fulfill another core curriculum requirement)*
2. Additional Writing Flag
   Note: One of the two writing flags must be upper-division.

- ☐ **One Quantitative Reasoning Flag**
- ☐ **One Global Cultures Flag**
- ☐ **One Cultural Diversity in the U.S. Flag**
- ☐ **One Ethics and Leadership Flag**
- ☐ **One Independent Inquiry Flag**

MATHEMATICS & SCIENCE

1 sequence from: 12

M 408C * & 408D
M 408N & 408S
M 408K & 408L
** M 408N & 408S, or 408K & 408L, may substitute for M 408C*

Note: Introductory science is substantially different for Option 6

ELECTIVES

Enough elective hours to reach 120 total VARY

(The number of elective hours needed may vary depending on course selections.)

OPTION 5: TEACHING

	Minimum Hours Required
Secondary school mathematics:	9
M 315C, Foundations, Functions, & Regression Models M 333L, Structure of Modern Geometry M 375D, Discovery: An Introduction to Advanced Study in Mathematics	
Differential equations & linear algebra:	4
M 427J	
M 325K or 328K, 362K, and 358K	9
M 328K is only recommended for students with previous, substantial experience in writing proofs.	
Real analysis:	3
M 361K or 365C	

TEACHING INSTRUCTION COURSEWORK

Grades of at least C- are required in all courses in this section

HIS 329U or PHL 329U	3
1 research methods course:	3
Biology 337 (Topic 2: Research Methods: UTeach), Chemistry 368 (Topic 1: Research Methods: UTeach) or Physics 341 (Topic 7: Research Methods: UTeach)	
UTS 101, 110	2
EDC 365C or UTS 350	3
EDC 365D or UTS 355	3
EDC 365E or UTS 360	3
EDC 651S (Topic 3: Secondary School Teaching Practicum: Math) and UTS 170	7
Middle Grade Certification (Optional)	6–9
EDP 350G or PSY 301 & 304 EDC 339E *Grades of at least C- are required in all courses in this section*	
Students seeking mathematics, physical science, & engineering certification are not eligible for middle grade certification.	

ADDITIONAL GRADUATION REQUIREMENTS

- ☐ Minimum 21 upper-division hours in residence
- ☐ Minimum 18 hours of Mathematics in residence
- ☐ Minimum 60 hours in residence overall
- ☐ Minimum 42 upper-division hours
- ☐ 120 hours total overall
- ☐ Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses
- ☐ Minimum UT-Austin Grade Point Average of 2.5
- ☐ Must pass the final teaching portfolio review
- ☐ Must apply to graduate during final semester
- ☐ 2022–24 Catalog expires August 2030

See page 2 for Option 5 Teaching Certifications

OPTION 5: TEACHING

Complete all coursework in 1 of the following certifications:

	Minimum Hours Required
Mathematics Certification	
Linear algebra:	**3**
M 340L or 341	
Algebraic structures:	**3**
M 343K or 373K	
2 additional courses from:	**6**
M 328K, 339J, 339U, 343K, 343L, 348, 361, 365C, 365D, 368K, 373K, 373L, 378K *Mathematics courses may apply toward only 1 requirement.*	
1 course from:	**3**
AST 307, 352K, 352L, 358, 367M; CH 301, 301H, 303; CS 303E, 313E; HDF 322; PHY 301, 303K, 303L; ACC 310F, 311; ARE 323K; CE 321, 341; EE 302, 366, 366L; ME 320, 326, 366L, 366Q, 366R; PGE 310; GEO 346C, 354, 476K; ECO 420K; GRG 360L; GOV 341M; PSY 325K, and 332	
Mathematics, Physical Science, & Engineering Certification	
Linear algebra:	**3**
M 341	
PHY 301 & 101L, 316 & 116L, 315 & 115L	**12**
CH 301 or 301C, 302 or 302C; and 204	**8**
ES 301 **ME 377K** upon approval of the projects by the UTeach Program	**6**