The University of Texas at Austin
College of Natural Sciences

Bachelor of Science in Mathematics (BS) 2024-26 Checklist

CORE CURRICULUM

Core courses must be chosen from approved lists.
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	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 *(Fulfilled by courses in major)*	0
Science & Technology-II *(Fulfilled by courses in major)*	0
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:	8
M 408C* and 408D M 408N and 408S M 408K and 408L ** M 408N & 408S, or 408K & 408L, may substitute for M 408C*	
Computer science:	3
CS 303E	
8 hours from 1 area:	8
AST, BIO, CH, GEO, PHY *Note: course that cannot count toward major requirements in department that offers it cannot be applied.* *Note: Introductory science is substantially different for Option 6*	

OPTION 1: ACTUARIAL SCIENCE

	Minimum Hours Required
Economics & accounting:	9–12
ECO 304K & 304L ACC 310F or 311 & 312	
Finance:	3
FIN 357	
M 325K or 328K:	3
M 328K is only recommended for students with previous, substantial experience in writing proofs.	
Linear algebra:	3
M 341 *M 340L may apply if the course was completed prior to entry into the mathematics entry-level major.*	
Probability and statistics:	6
M 362K M 358K or 378K	
Foundational actuarial coursework:	12
M 329F, 339D, 339J, & 339U	
Advanced actuarial coursework:	6
M 339V and 349P 1 additional course from M 339C, 339V, 349P, 349R, 378K *Note: M 339V, 349P, and 378K may not count toward more than 1 mathematics requirement.*	
Inquiry based learning (IBL):	3
1 completed upper-division Math course must be taught in the inquiry based learning format (IBL). *IBL courses identified through notation under the unique number in the course schedule, and list maintained in the Mathematics, Physics, and Astronomy Advising Center in PMA 4.101.* *Note: Of the 42 upper-division hours required for the degree, 6 hours must be in fields of study other than mathematics, AST, BIO, CH, GEO, and PHY. In addition, PHL courses in logic, CS courses in discrete mathematics, engineering courses, and actuarial foundation courses may not count toward this requirement.*	

ELECTIVES

Enough elective hours to reach 120 total	VARY
(The number of elective hours needed may vary depending on course selections.)	

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 2.0
- ☐ Must apply to graduate during final semester
- ☐ 2024-26 Catalog expires August 2032