The University of Texas at Austin
College of Natural Sciences

Bachelor of Arts – Mathematics Major, Middle Grades and Secondary School Teaching (BA) 2016–18 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	3
Science & Technology-II	6
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	☐

FOREIGN LANGUAGE

Attainment of an intermediate level of competency in a language other than english by completing 1 of the following: **6–18**

a. certified proficiency on a placement or credit-by-examination test
b. a passing grade in a language course listed in the College of Liberal Arts section (page 332)
c. Students who wish to meet the requirement with proficiency in a language not listed in the table found in the College of Liberal Arts section above should contact the Texas Language Center

SOCIAL SCIENCE

3 hours from a list of approved courses maintained by the College of Liberal Arts, in addition to the course used to fulfill the social & behavioral science core requirement. The course must be in a different field of study from the course used to fulfill the social & behavioral science core curriculum requirement. **3**

CULTURAL EXPRESSION, HUMAN EXPERIENCE, AND THOUGHT

3 hours from a list of approved courses maintained by the College of Liberal Arts. A course counted toward the core curriculum may not also be counted toward this requirement. **3**

NATURAL SCIENCE

6 hours *(Fulfilled by courses in major)* **6**

MATHEMATICS MAJOR MIDDLE GRADES AND SECONDARY SCHOOL TEACHING

	Minimum Hours Required
Calculus, choose 1 sequence:	8
M 408C * & 408D M 408N & 408S M 408K & 408L ** M 408N & 408S, or 408K & 408L, may substitute for M 408C.*	
Linear algebra:	3
M 341 or 340L	
Complete all:	12
M 315C, 333L, 358K, 362K	
Proof-oriented course:	3
M 325K or 328K	
Discovery teaching methodology:	3
M 375D	
Real analysis:	3
M 361K or 365C	
Algebraic structures:	3
M 343K or 373K	

TEACHING INSTRUCTION COURSEWORK

Research methods, choose 1:	3
BIO 337 *(Topic 2: Research Methods: UTeach)* CH 368 *(Topic 1: Research Methods: UTeach)* PHY 341 *(Topic 7: Research Methods: UTeach)*	
Perspectives on science & mathematics:	3
HIS 329U or PHL 329U	
Professional development coursework:	18
UTS 101, 110 EDC 365C or UTS 350 EDC 365D or UTS 355 EDC 365E or UTS 360 EDC 651S *(Topic 3: Secondary school teaching practicum: math)* & UTS 170 Grades of at least C- are required in all courses in this section	
Middle Grade Certification (Optional)	6–9
EDP 363M *(Topic 3: Adolescent Development)* or PSY 301 & 304 EDC 339E Grades of at least C- are required in all courses in this section	

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 18 hours of major in residence, including 6 upper-division hours
- ☐ Minimum 21 upper-division hours in residence
- ☐ Minimum 60 hours in residence overall
- ☐ Minimum 36 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 apply to graduate during final semester
- ☐ 2016-18 Catalog expires August 2024