

# Bachelor of Science – Mathematics – Secondary Education Minor

## 2026-2027 Transfer Guide

### Texas A&M University–Central Texas

The courses outlined in this section provide a year-by-year guide for full-time students, fulfilling the requirements for the **Bachelor of Science in Mathematics with a Secondary Education Minor** at Texas A&M University–Central Texas. All guides can be adjusted to accommodate the needs of part-time students. For the official degree requirements, please refer to the Texas A&M University–Central Texas [catalog](#).

#### BACHELOR OF SCIENCE IN MATHEMATICS WITH A SECONDARY EDUCATION MINOR

##### YEAR 1 TOTAL HOURS:25

ENGL 1301 – Composition I (CORE 010)	3 SCH
MATH 2413 – Calculus I (CORE 020)	4 SCH
PHYS 2425 – University Physics I (CORE 030)	4 SCH
CORE 050 <sup>1</sup> – Creative Arts	3 SCH
CORE 030 <sup>1,3</sup> – Life and Physical Science	4 SCH
ENGL 1302 – Composition II (CORE 010)	3 SCH
MATH 2414 – Calculus II	4 SCH

##### YEAR 2 TOTAL HOURS:28

CORE 040 <sup>1</sup> – English Literature	3 SCH
HIST 1301 – United States History I (CORE 060)	3 SCH
GOVT 2305 – Federal Government (CORE 070)	3 SCH
CHOOSE ONE: PSYC 2308 – Child Psychology (CORE 080)	
TECA 1354 – Child Growth & Development (CORE 080) <i>or</i>	
PSYC 3303 – Educational Psychology	3 SCH
MATH 2415 – Calculus III	4 SCH
CHOOSE ONE: MATH 3306 <sup>4</sup> – Differential Equations <i>or</i>	
MATH 2320 – Differential Equations	3 SCH
HIST 1302 – United States History II (CORE 060)	3 SCH
GOVT 2306 – Texas Government (CORE 070)	3 SCH
ELECTIVE <sup>1,2</sup> – Any Level CIS Elective	3 SCH

##### YEAR 3 TOTAL HOURS:40

MATH 3301 – Number Theory	3 SCH
MATH 3309 – Algebraic Function	3 SCH
MATH 3315 – Mathematics & Technology	3 SCH
MATH 4304 – Survey of Mathematical Ideas	3 SCH
MATH 4304L – Survey of Mathematical Ideas Lab	1 SCH
MATH 4309 – Advanced Analysis I	3 SCH
MATH 3350 – Principles of Bio-Statistics	3 SCH
ENGL 3309 – Tech Writing & Document Design	3 SCH
MATH 3310 – Discrete Mathematics	3 SCH
MATH 3311 – Probability & Statistics I	3 SCH
MATH 4332 – Abstract Algebra	3 SCH
MATH 3360 – Numerical Analysis I	3 SCH
MATH 3370 – An Introduction to Linear Programming	3 SCH
MATH 4302 – College Geometry	3 SCH

##### YEAR 4 Admission to Secondary Education Certification Required TOTAL HOURS:27

MATH 3332 – Linear Algebra	3 SCH
READ 3335 – Content Area Reading	3 SCH
EDUC 4331 – Curriculum & Instruction for Secondary Teachers	3 SCH
EDUC 4332 – Classroom Management for Secondary Teachers	3 SCH

EDUC 4317 – Assessment & Interpretation for Secondary Teachers	3 SCH
EDUC 4337 – Educating Secondary Exceptional Learners	3 SCH
EDUC 4335 – Capstone for Educators	3 SCH
EDUC 4691 – Clinical Teaching	6 SCH

**TOTAL CREDITS: 120 HOURS**

### NOTES

Texas A&M–Central Texas only offers upper-level courses (those labeled 3XXX-5XXX), all lower-level courses (those labeled 1XXX-2XXX) should be completed at the transferring institution. A minimum of 120 semester credit hours is required for all baccalaureate degrees. For help with transfer planning, please speak with an [academic advisor](#) or [enrollment specialist](#). ***This transfer guide is intended for planning and visualization purposes and is subject to change.***

1. Refer to the General Education Core Requirements [page](#) for more information on the CORE Requirement coursework.
2. Any level electives may be taken at either at Texas A&M University-Central Texas or another institution. Please consult an academic advisor prior to selecting any-level electives.
3. PHYS 2426 University Physics II is recommended.
4. Students may speak with a Math Faculty advisor to have a substitution written for MATH 4305 which can be taken during the summer.
5. Please note the following courses require a grade of 'C' or better: 12 credit hours of English, Calculus, approved Educational Psychology course, and 15 credit hours in the certification subject area.