



## Bachelor of Science Mathematics – Secondary Education Minor 2022-2023 Transfer Guide

Core Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
ENGL 1301	CORE 010	Composition I	3
ENGL 1302	CORE 010	Composition II	3
MATH 2413	CORE 020	Calculus I	4
CORE 030 <sup>4</sup>	CORE 030	Life and Physical Science Core Selection	4
PHYS 2425	CORE 030	University Physics I	4
CORE 040	CORE 040	English Literature	3
CORE 050	CORE 050	Creative Arts Core Selection	3
HIST 1301	CORE 060	United States History I	3
HIST 1302	CORE 060	United States History II	3
GOVT 2305	CORE 070	Federal Government	3
GOVT 2306	CORE 070	Texas Government	3
CORE 080	CORE 080	Social and Behavioral Sciences Core Selection	3
MATH 2414	CORE 090	Calculus II	4
<b>Subtotal</b>			<b>43</b>

Additional Lower-Level Degree Requirements (Transfer Credits)			
Other Institution	Texas A&M University - Central Texas	Course Name	SCH
Any Level Elective	Any Level Elective	Any Level Elective	3
Any Level CIS Elective	Any Level CIS Elective	Any Level CIS Elective	3
MATH 2415	MATH 2415	Calculus III	4
MATH 2320	MATH 3306 <sup>5</sup>	Differential Equations	3
PSYC 2308, TECA 1354	PSYC 3303	Child Psychology, Child Growth & Development or Educational Psychology	3
<b>Subtotal</b>			<b>16</b>

Upper-Level Degree Requirements Texas A&M University - Central Texas					
Texas A&M University - Central Texas	Course Name	SCH	Texas A&M University - Central Texas	Course Name	SCH
MATH 3301	Number Theory	3	MATH 3360	Numerical Analysis I	3
MATH 3309	Algebraic Function	3	MATH 3370	An Introduction to Linear Programming	3
MATH 3315	Mathematics & Technology	3	MATH 4302	College Geometry	3
MATH 4304	Survey of Mathematical Ideas	3	READ 3335	Content Area Reading	3
MATH 4304L	Survey of Mathematical Ideas Lab	1	EDUC 4331	Curriculum & Instruction for Secondary Teachers	3
MATH 4309	Advanced Analysis I	3	EDUC 4332	Classroom Management for Secondary Teachers	3
MATH 3350	Principles of Bio-Statistics	3	EDUC 4317	Assessment & Interpretation for Secondary Teachers	3
ENGL 3309	Tech Writing & Document Design	3	EDUC 4337	Educating Secondary Exceptional Learners	3
MATH 3311	Probability & Statistics I	3	EDUC 4335	Capstone for Educators	3
MATH 4332	Abstract Algebra	3	EDUC 4691	Clinical Teaching	6
<b>Subtotal</b>					<b>61</b>
<b>Total</b>					<b>120</b>

### Notes/Comments

**This guide is for planning and visualization purposes only. For assistance with pathway planning, students should schedule an appointment with an academic advisor.**

1. Texas A&M University - Central Texas is an upper-level university only offering upper-level courses (3000-4000 labeled courses)
2. Student will need to complete all lower-level courses at another institution (1000-2000 labeled courses). Refer to the [General Education Core Requirements page](#) for more information on the CORE Requirements coursework.
3. 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.
4. PHYS 2426 University Physics II is recommended.
5. Students may speak with a Math Faculty advisor to have a substitution written for MATH 4305 which can be taken during the summer.
6. 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.