

**Bachelor of Science  
Mathematics – Secondary Education Minor  
2024-2025 Transfer Guide**

<b>Core Requirements (Transfer Credits)</b>			
Transferring 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
PHYS 2425	CORE 030	University Physics I	4
CORE 030 <sup>3</sup>	CORE 030	Life and Physical Sciences Core	4
English Literature <sup>1</sup>	CORE 040	English Literature	3
CORE 050 <sup>1</sup>	CORE 050	Creative Arts Core	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
PSYC 2308 or TECA 1354 <sup>4</sup>	CORE 080	Child Psychology or Child Growth & Development	3
MATH 2414	CORE 090	Calculus II	4
MATH 2415	CORE 090	Calculus III	4
<b>Subtotal</b>			<b>47</b>

<b>Additional Lower-Level Degree Requirements (Transfer Credits)</b>			
Transferring Institution	Texas A&M University - Central Texas	Course Name	SCH
MATH 2320 <sup>5,6</sup>	MATH 2320	Differential Equations	3
Any Level CIS Elective <sup>2</sup>	Any Level CIS Elective	Any Level CIS Elective	3
<b>Subtotal</b>			<b>6</b>

<b>Upper-Level Degree Requirements Texas A&amp;M University - Central Texas</b>					
TAMUCT	Course Name	SCH	TAMUCT	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	MATH 3332	Linear Algebra	3
MATH 4304L	Survey of Mathematical Ideas Lab	1	READ 3335	Content Area Reading	3
MATH 4309	Advanced Analysis I	3	EDUC 4331	Curriculum & Instruction for Secondary Teachers	3
MATH 3350	Principles of Bio-Statistics	3	EDUC 4332	Classroom Management for Secondary Teachers	3
ENGL 3309	Tech Writing & Document Design	3	EDUC 4317	Assessment & Interpretation for Secondary Teachers	3
MATH 3310	Discrete Mathematics	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>67</b>
<b>Total</b>					<b>120</b>

**Notes/Comments**

Texas A&M University - Central Texas only offers upper-level courses (3xxx-5xxx labeled courses), all lower-level courses (1xxx-2xxx labeled courses) will need to be completed at the transferring institution. For help with pathway planning, student should speak with an [academic advisor](#). *This pathway is intended for planning and visualization purposes only.*

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 electives.
3. PHYS 2426 University Physics II is recommended.
4. Students can also fulfill this degree requirement by enrolling in PSYC 3303 at Texas AM University - Central Texas.
5. Students can also fulfill this degree requirement by enrolling in MATH 3306 at Texas AM University - Central Texas.
6. Students may speak with a Math Faculty advisor to have a substitution written for MATH 4305 which can be taken during the summer.
7. 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.

