A.S. in Mathematics

to

B.S. in Mathematics (7-12, Teacher Certification)

This four-year plan provides a model for on-time completion of the B.S. in Mathematics (7-12, Teacher Certification) at UTRGV by starting at South Texas College.

Year	First Semester		Second Semester	
	STC Requirement	**UTRGV Equivalent**	**STC Requirement**	**UTRGV Equivalent**
F R E S H M A N	Creative Arts Core	Creative Arts Core	HIST 1301 **or** HIST 2327 (American History Core)	HIST 1301 **or** HIST 2327 (American History Core)
	Life and Physical Sciences Core	Life and Physical Sciences Core	Life and Physical Sciences Core	Life and Physical Sciences Core
	ENGL 1301 (Communications Core)	ENGL 1301 (Communications Core)	ENGL 1302 (Communications Core)	ENGL 1302 (Communications Core)
	MATH 2413 (Mathematics Core)	MATH 2413 (Mathematics Core)	MATH 2414 (Major)	MATH 2414 (Major)
	Third Semester			
	STC Requirement		**UTRGV Equivalent**	
	HIST 1302 **or** HIST 2328 (American History Core)		HIST 1302 **or** HIST 2328 (American History Core)	
	Language, Philosophy & Culture Core		Language, Philosophy & Culture Core	

Year	Fourth Semester		Fifth Semester	
	STC Requirement	**UTRGV Equivalent**	**STC Requirement**	**UTRGV Equivalent**
S O P H O M O R E	MATH 2415 (Major)	MATH 2415 (Major)	MATH 2418 (Major)	MATH 2318 (Major)
	GOVT 2305 (Political Science Core)	POLS 2305 (Political Science Core)	GOVT 2306 (Political Science Core)	POLS 2306 (Political Science Core)
	MATH 2305 or MATH 1442 (Major)	MATH 2305 or MATH 1342 (not required at UTRGV)	MATH 2420 (Major)	MATH 2000 (fulfills Differential Equations requirement, but does not meet institutional advanced minimum hours)
	Social & Behavioral Science Core	Social & Behavioral Science Core	Component Area Option Core	Integrative and Experiential Learning Core

Four-year plan aligns with the 2022-2023 programs of study.

Year	Fall Semester	Spring Semester
J U N I O R	UTCH 1101	UTCH 1102
	MATH 3350 Introduction to Mathematical Proof	UTCH 3301 Knowing and Learning in Mathematics and Science
	MATH 3352 Modern Geometry I	MATH 3363 Modern Algebra I
	MATH 3326 History of Mathematics	MATH 3372 Real Analysis I
	STAT 3337 Probability and Statistics	MATE 3322 Secondary Mathematics in a Tech Envir
		MATH 3361 Applied Discrete Mathematics

Year	Fall Semester	Spring Semester
S E N I O R	UTCH 3302 Classroom Interactions	UTCH 3303 Project-Based Instruction
	MATE 3321/BIOL/PHYS 3330 Functions and Modeling	MATE 3317 Perspectives in Mathematics and Science
	READ 4305 Disciplinary Literacy in Content Area Class	MATH 4390 Mathematics Project
	MATE 4423 Advanced Studies in Secondary Math	MATE/BIOL/4392 Research Methods in Middle & Secondary School Math
	MATH 3365 Number Theory	
	Fall Semester	**Spring Semester**
	UTCH 4101 Apprentice Teaching Seminar	
	UTCH 4601 Apprentice Teaching	

This degree requires 121 hours and a minimum of 42 advanced (3000 and 4000) credit hours.

Four-year plan aligns with the 2022-2023 programs of study.