



A.S. in Mathematics
to
B.S. in Mathematics (Economics)

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

Year	First Semester		Second Semester	
F R E S H M A N	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
	Creative Arts Core	Creative Arts Core	HIST 1301 or HIST 2327 (American History Core)	HIST 1301 or HIST 2327 (American History Core)
	PHYS 2425 (Life & Physical Science Core)	PHYS 2425 (Life & Physical Science Core, Required at UTRGV)	PHYS 2426 (Life & Physical Science Core)	PHYS 2426 (Life & Physical Science Core, Required at UTRGV)
	ENGL 1301 (Communications Core)	ENGL 1301 (Communications Core)	ENGL 1302 (Communications Core)	ENGL 1302 (Communications Core)
	MATH 2413 (Mathematics Core)	MATH 2413 (Mathematics Core, Required at UTRGV)	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	
S O P H O M O R E	STC Requirement	UTRGV Equivalent	STC Requirement	UTRGV Equivalent
	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 (Fulfills free elective)	MATH 2420 (Major)	MATH 2000 (fulfills Differential Equations requirement, but does not meet institutional advanced minimum hours)**
	ECON 2301 (Social & Behavioral Sciences Core)	ECON 2301 (Major, Required at UTRGV)*	COSC 1436 (Component Area Option Core)	CSCI 1380 (Integrative and Experiential Learning Core, Required at UTRGV)

****A substitution will be needed to apply STC course to UTRGV program requirements.**

Year	Fall Semester	Spring Semester
J U N I O R	MATH 3343 Introduction to Mathematical Software	ECON 2302 Principles of Microeconomics
	MATH 3350 Introduction to Mathematical Proof	MATH 3363 Modern Algebra I
	MATH 3352 Modern Geometry I	MATH 3372 Real Analysis I
	Free Elective	STAT 3337 Probability and Statistics
	Free Elective	QUMT 2341 Business Statistics I
Year	Fall Semester	Spring Semester
S E N I O R	ECON 3351 Macroeconomic Theory	ECON 3352 Microeconomic Theory
	ECON 3352 Microeconomic Theory	MATH 4390 Mathematics Project
	ECON 3341 Econometrics	ECON 3342 Business and Economics Forecasting
	ECON 4361 Studies in Economics	Choose 3 hours of Advanced MATH
	Advanced Free Elective	Free Elective

This degree requires 120 hours and a minimum of 42 advanced (3000 and 4000) credit hours.

Free electives hours will vary to achieve the institutional minimum of 120 hours for a degree.

Major Specific Core Curriculum Requirements

*Students who have completed component area 080 at STC with ECON 2301 will not be required to complete the UTRGV Major Specific Core Curriculum course of ECON 1301.