

H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR FALL	3	Choose 1	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details Options: ENGL 1301
	4	MATH 2413	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	Prerequisite for MATH 2412: MATH 1314/1414 with a grade of "C" or better or passing Exemption Test administered by Department of Mathematics
	3	Choose 1		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	3	CSCI 1380		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
	3	Choose 1		050		See General Education Core for course options.
		UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design			
16 Semester Total Hours						
FIRST YEAR SPRING	3	Choose 1	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details Options: ENGL 1302 or ENGL 1305
	4	MATH 2414	C		MATH 2413 with a grade of 'C' or better.	
	3	MATH 2318	C		MATH 2413 with a grade of 'C' or better.	
	3	Choose 1		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
	3	ECON 1301 or ECON 2301	Introduction to Economics or Principles of Macroeconomics		080	
16 Semester Total Hours						
SECOND YEAR FALL	4	MATH 2415	C		MATH 2414 with a grade of 'C' or better.	
	3	MATH 3341	C		MATH 2414 with a grade of 'C' or better.	
	3	POLS 2305		070		See General Education Core for more details
	4	PHYS 2425		030/090	MATH 2413 and concurrent enrollment in MATH 2414.	
	3	Choose 1		040		See General Education Core for course options.
	17 Semester Total Hours					
SECOND YEAR SPRING	3	MATH 3352	C		MATH 2318 with a grade of 'C' or better.	
	3	MATH 3350	C		MATH 2318 with a grade of 'C' or better.	
	3	POLS 2306		070		See General Education Core for more details
	1	Choose 1		090		See General Education Core for course options.
	4	PHYS 2426		030/090	PHYS 2425.	
14 Semester Total Hours						

CORE: The 2022-2023 list of core courses can be found in the 2022-2023 Undergraduate Catalog: www.utrgv.edu/smartcatalog > Bachelors Degree Regulations and Graduation Policies > 'Core Curriculum'

Symbols Key

Critical (!): sequence sensitive course.

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary ; 090 - Technologies; 090 - Language Diversity & Writing.

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FALL	3	MATH 3363	Modern Algebra I	C		MATH 2318 and MATH 3350, each with a grade of 'C' or better.	
	3	MATH 3365	Number Theory	C		MATH 2318 and MATH 3350, each with a grade of 'C' or better.	
	3	MATH 4342	Complex Variables	C		MATH 2415 with a grade of 'C' or better.	
	3	MATH 3345 or MATH 3361	Advanced Mathematics Electives	C		MATH 2318 with a grade of 'C' or better.	
	3	X3XX X3XX	Free Elective				
		15	Semester Total Hours				
SPRING	3	MATH 3372	Real Analysis I	C		MATH 2414 and MATH 3350, each with a grade of 'C' or better.	
	3	STAT 3337	Probability and Statistics	C		MATH 2414 with a grade of 'C' or better.	
	3	MATH 3349	Numerical Methods	C		MATH 2414 and MATH 3343, each with a grade of 'C' or better.	
	3	MATH 43XX	Advanced Mathematics Elective	C			See Degree Plan for course options. Choose one: MATH 4359, MATH 4364, MATH 4367, MATH 4373
	3	X3XX 43XX	Free Elective				
		15	Semester Total Hours				
FALL	3	MATH 4390	Mathematics Project	C		MATH 2318, MATH 3350, and 9 additional advanced hours of MATH, all with grades of 'C' or better.	
	3	MATH 4355	Topology	C		MATH 2414 and MATH 3350, each with a grade of 'C' or better.	
	3	MATH 43XX	Advanced Mathematics Elective	C			See Degree Plan for course options. Choose one: MATH 4359, MATH 4364, MATH 4367, MATH 4373
	3	X3XX-43XX	Free Elective				
	3	X3XX 43XX	Free Elective				
		15	Semester Total Hours				
SPRING	3	MATH 43XX	Major Advanced Elective	C			See Degree Plan for course options. (MATH or STAT) courses not used to fulfill other requirements.
	3	MATH 43XX	Major Advanced Elective	C			See Degree Plan for course options. (MATH or STAT) courses not used to fulfill other requirements.
	3	X3XX-43XX	Free Elective				
	3	X3XX 43XX	Free Elective				
		12	Semester Total Hours				

Major Graduation Requirements:

Major requirements must be completed with a minimum grade of "C" and a minimum GPA of 2.5.

120 TOTAL HOURS
(42) Advanced minimum credit hours

Approved: Friday, December 9, 2022
 Revised: Sunday, November 13, 2022