

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			As required, based on credit hours earned, TSI status, High school rank, major declaration
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 2023-2024 list of core courses can be found in the 2023-2024 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
THIRD YEAR	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				
THIRD YEAR	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				
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	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				
FOURTH YEAR	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: Wednesday, March 22, 2023

Revised: Wednesday, March 22, 2023