

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FALL	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams 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
	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	3	POLS 2305	U.S. Federal Government & Politics (Core)		070		See General Education Core for more details
	4	MATH 2413	Calculus I	C		MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
	3	MATH 1342 or MATH 1343	Elementary Statistical Methods or Introduction to Biostatistics (Core)	C	020	College Ready TSI status in Mathematics or MATH 0314/0332/0342.	
FIRST YEAR		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							
SPRING	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams 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
	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
	3	POLS 2306	Texas Government & Politics (Core)		070		See General Education Core for more details
	3	MATH 2318	Linear Algebra	C		MATH 2413 with a grade of 'C' or better.	
	4	MATH 2414	Calculus II	C		MATH 2413 with a grade of 'C' or better.	
16 Semester Total Hours							
FALL	4	PHYS 2425 or BIOL 1406	Physics for Scientists and Engineers I or General Biology I (Core)		030/090	For PHYS 2425: MATH 2413 and concurrent enrollment in MATH 2414.	
	3	CSCI 1380	Computer Science I (Core)		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
	3	STAT 3301	Applied Statistics	C		MATH 2413 with a grade of 'C' or better.	
	3	STAT 3337	Probability and Statistics	C		MATH 2414 with a grade of 'C' or better.	
	4	MATH 2415	Calculus III	C		MATH 2414 with a grade of 'C' or better.	
	17 Semester Total Hours						
SPRING	4	PHYS 2426 or BIOL 1407	Physics for Scientists and Engineers II or General Biology II (Core)		030/090	For PHYS 2426: PHYS 2425 (or PHYS 2411). For BIOL 1407: BIOL 1406 or BIOL 1487.	
	3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
	3	STAT 2336	Statistical Computing and Data Management	C		CSCI 1380 or STAT 2331	
	3	STAT 3338	Mathematical Statistics	C		STAT 3337 with a grade of 'C' or better.	
	3	ECON 1301 or ECON 2301	Introduction to Economics or ECON 2301 Principles of Macroeconomics (Core)		080		
16 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 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	3	Choose 1		050		See General Education Core for course options.
		1	Choose 1		090		See General Education Core for course options.
		3	3XXX-4XXX	Advanced Math Elective			
		3	3XXX-4XXX	Advanced Statistics Elective			STAT 3351 Multivariate Analysis or STAT 4399 Special Topics in Statistics
		3	STAT 3335	Applied Regression Analysis	C		MATH 2318 and STAT 3301 both with grade of 'C' or better
		3	X3XX 43XX	Free Elective			
16 Semester Total Hours							
SPRING		3	3XXX-4XXX	Advanced Math Elective			
		3	3XXX-4XXX	Advanced Statistics Elective			STAT 3352 Introduction to Linear Models or STAT 4399 Special Topics in Statistics
		3	STAT 3336	Sampling	C		STAT 3301 with a grade of 'C' or better.
		3	X3XX 43XX	Free Elective			
12 Semester Total Hours							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL	3	3XXX-4XXX	Advanced Math Elective			
		3	X3XX 43XX	Free Elective			
		3	3XXX-4XXX	Advanced Statistics Elective			Existing STAT Elective or STAT 4399 Special Topics in Statistics
		3	STAT 4390	Statistical Project (joint with Math Project)	C		STAT 2336, STAT 3335, and 9 advanced hours of STAT, all with grades of 'C' or better.
		3	X3XX 43XX	Free Elective			
	15 Semester Total Hours						
SPRING		3	X3XX 43XX	Free Elective			
		3	3XXX-4XXX	Advanced Statistics Elective			Existing STAT Elective or STAT 4399 Special Topics in Statistics
		3	STAT 4332	Experimental Design and Analysis	C		STAT 2336, STAT 3335, and 9 advanced hours of statistics, all with a "C" or better.
		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