

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR 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 <b>Options: ENGL 1301</b>	
	3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1301 or HIST/MASC 2327</b>	
	3	POLS 2305	Government/Political Science (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	C	020	College Ready TSI status in Mathematics.		
			UNIV 1301 Learning Framework Academic and Career Success Living and Working by Design	1101 1001			As required, based on credit hours earned, TSI status, High school rank, major declaration	
<b>16 Semester Total Hours</b>								
FIRST YEAR 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 <b>Options: ENGL 1302 or ENGL 1305</b>	
	3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1302 or HIST/MASC 2328</b>	
	3	POLS 2306	Government/Political Science (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.		
	<b>16 Semester Total Hours</b>							
SECOND YEAR FALL	4	PHYS 2425 or BIOL 1406	Physics for Scientists and Engineers I or General Biology I		030/090			
	3	CSCI 1380	Computer Science I		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.		
	<b>17 Semester Total Hours</b>							
	SECOND YEAR SPRING	4	PHYS 2426 or BIOL 1407	Physics for Scientists and Engineers II or General Biology II		030/090		
		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 Principles of Macroeconomics	ECON 2301	080			
<b>16 Semester Total Hours</b>								

CORE: The 2020-2021 list of core courses can be found in the 2020-2021 Undergraduate Catalog: [www.utrgv.edu](http://www.utrgv.edu) > See '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				
	SPRING	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 2331 both with grade of 'C' or better.	
		3	XXXX X3XX	Free Elective				
<b>16 Semester Total Hours</b>								
FOURTH YEAR	FALL	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
	SPRING	3	STAT 3336	Sampling	C		STAT 2331 with a grade of 'C' or better.	
		3	XXXX X3XX	Free Elective				
<b>12 Semester Total Hours</b>								
THIRD YEAR	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
	FALL	3	3XXX-4XXX	Advanced Math Elective				
		3	3XXX 43XX	Free Advanced Elective				
		3	3XXX-4XXX	Advanced Statistics Elective				Existing STAT Elective or STAT 4399 Special Topics in Statistics
	SPRING	3	STAT 4390	Statistical Project (joint with Math Project)	C			
		3	XXXX X3XX	Free Elective				
<b>15 Semester Total Hours</b>								
FOURTH YEAR	FALL	3	XXXX X3XX	Free Elective				
		3	3XXX-4XXX	Advanced Statistics Elective				Existing STAT Elective or STAT 4399 Special Topics in Statistics
	SPRING	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	XXXX X3XX	Free Elective				
<b>12 Semester Total Hours</b>								

**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 Institutional minimum credit hours**

Approved: Thursday, February 4, 2021

Revised: Tuesday, November 24, 2020