The University of Texas Rio Grande Valley

Bachelor of Science (BS)
Statistics

2018-2019

FIRST YEAR

FALL

!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	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 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details. Options: ENGL 1301 **or** ENGL 1387 (H)
	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 **or** HIST 1387 **or** HIST/MASC 2327
	3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2305 **or** POLS 2385 (H)
!	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	Elementary Statistical Methods	C	020	College Ready TSI status in Mathematics.	
		UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
	16	**Semester Total Hours**					

SPRING

!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	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 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details. Options: ENGL 1302 **or** ENGL 1388 (H) **or** ENGL 1305
	3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 **or** HIST 1388 **or** HIST/MASC 2328
	3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2306 **or** POLS 2386 (H)
!	3	MATH 2318	Linear Algebra	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
!	4	MATH 2414	Calculus II	C		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
	16	**Semester Total Hours**					

SECOND YEAR

FALL

!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	4	Choose 1	Life and Physical Sciences (Core)		030/090		Recommended: ENVR 1401 or BIOL 1406 or BIOL 1487
	3	Choose 1	Integrative/Experiential Learning Option (Core)		090		Recommended: CSCI 1380
	3	STAT 2331	Essentials of Statistics	C		MATH 1314, MATH 1414, MATH 1324, MATH 1342, or MATH 1343 with a grade of 'C' or better.	
	3	STAT 3337	Probability and Statistics	C		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
!	4	MATH 2415	Calculus III	C		MATH 2414 (or MATH 2488) with a grade of 'C' or better.	
	17	**Semester Total Hours**					

SPRING

!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	4	Choose 1	Life and Physical Sciences (Core)		030/090		Recommended: ENVR 1402 or BIOL 1407 or BIOL 1488
	3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
	3	STAT 2336	Statistical Computing and Data Management				
	3	STAT 3338	Mathematical Statistics	C		STAT 3337 with a grade of 'C' or better.	
	3	Choose 1	Social and Behavioral Sciences (Core)		080		Recommended: ECON 1301 or ECON 2301
	16	**Semester Total Hours**					

CORE: The 2017-2019 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

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.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

	!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR / FALL		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
		1	Choose 1	Integrative/Experiential Learning Option (Core)		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 2331 both with grade of 'C' or better.	
		3	3XXX-4XXX	Free Advanced 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 2331 with a grade of 'C' or better.	
		3	XXXX X3XX	Free Advanced 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	XXXX X3XX	Free Advanced 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)				
		3	XXXX X3XX	Free Elective				
	15			**Semester Total Hours**				
SPRING		3	XXXX X3XX	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				
		3	XXXX X3XX	Free Elective				
	12			**Semester Total Hours**				

Progression Requirements:

1. The student must maintain an overall GPA of at least 2.25 at the end of the 90 credit hours that count towards the degree.

Graduation Requirements:

1. The student must complete all Statistics core course requirements with grades of "C" or better.

2. The student must have an overall GPA of 2.5 or better in section B - Major Requirments.

3. In addition to the graduation requirements listed in the UTRGV 2017-2019 Undergraduate Catalog, demonstration of proficiency in a language other than English is required at the undergraduate level equivalent to a minimum of six credit hours. Proficiency can be demonstrated by a college credit exam, a placement test approved through the UTRGV department of Writing and Language Studies, and/or to six credit hours of college-level language coursework.

120 TOTAL HOURS
(48) TOTAL ADVANCED HOURS

Approved: Thursday, October 25, 2018
Revised: Tuesday, October 16, 2018