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 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	Calculus I (Core)	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	**Prerequiste 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	American History (Core)		060		See General Education Core for more details. **Options: HIST 1301 or HIST/MASC 2327**
	3	CSCI 1380	Computer Science I (Core)		090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	
	3	ECON 1301	Introduction to Economics (Core)	C	080		See General Education Core for more details.
		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

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	3	Choose 1	Communication (Core)	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	Calculus II	C		MATH 2413 with a grade of 'C' or better.	
	3	MATH 2318	Linear Algebra	C		MATH 2413 with a grade of 'C' or better.	
	3	Choose 1	American History (Core)		060		See General Education Core for more details. **Options: HIST 1302 or HIST/MASC 2328**
	3	ECON 2301	Principles of Macroeconomics	C			Satisfies Major Specific Requirement

16 Semester Total Hours

SECOND YEAR

FALL

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
!	4	MATH 2415	Calculus III	C		MATH 2414 with a grade of 'C' or better.	
!	3	MATH 3341	Differential Equations	C		MATH 2414 with a grade of 'C' or better.	
	3	POLS 2305	U.S. Federal Government & Politics (Core)		070		See General Education Core for more details
	4	PHYS 2425	Physics for Scientists and Engineers I (Core)		030/090	MATH 2413 and concurrent enrollment in MATH 2414.	
	3	ECON 2302	Principles of Microeconomics			ECON 2301 with a grade of "C" or better	Satisfies Major Specific Requirement

17 Semester Total Hours

SPRING

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
!	3	MATH 3343	Introduction to Mathematical Software	C		MATH 2414 and MATH 2318 with a grade of 'C' or better.	
!	3	MATH 3350	Introduction to Mathematical Proof	C		MATH 2318 with a grade of 'C' or better.	
	3	POLS 2306	Texas Government & Politics (Core)		070		See General Education Core for more details
	1	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
	4	PHYS 2426	Physics for Scientists and Engineers II (Core)		030/090	PHYS 2425.	

14 Semester Total Hours

CORE: The 2021-2022 list of core courses can be found in the 2021-2022 Undergraduate Catalog: 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 - 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 3352	Modern Geometry I	C		MATH 2318 with a grade of 'C' or better.	
	3	ECON 3351	Macroeconomic Theory			ECON 2301 and ECON 2302.	
	3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
	3	XXXX 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	ECON 3352	Microeconomic Theory	C		ECON 2301 and ECON 2302.	
	3	XXXX X3XX	Free Elective				
	12	**Semester Total Hours**					

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR — **FALL**	3	MATH 4390	Mathematics Project	C		Pre- or co-requisite in MATH 2415, STAT 3337, MATH 3341, MATH 3352, MATH 3363, MATH 3372.	
	3	QUMT 2341	Business Statistics I			MATH 1314 or MATH 1414 or MATH 1324 or MATH 1325; and computer proficiency or INFS 1001.	
	3	ECON 3341	Econometrics	C		ECON 2301, ECON 2302, and QUMT 2341.	
	3	XXXX X3XX	Free Advanced Elective				
	3	XXXX X3XX	Free Elective				
	15	**Semester Total Hours**					
SPRING	3	ECON 4361	Studies in Economics	C		ECON 2301 and ECON 2302.	See Degree Plan for course options.
	3	ECON 3342	Business and Economics Forecasting	C		ECON 3341.	See Degree Plan for course options.
	3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
	3	XXXX X3XX	Free Advanced Elective				
	3	MATH X3XX	Major Advanced Elective	C			
	15	**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: Saturday, October 23, 2021

Revised: Sunday, October 3, 2021