

FIRST YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	ENGL 1301	Rhetoric & Composition I	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)
			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.	See General Education Core for more details.
			2	ENGT 1201	Foundations of Engineering Technology				
			3	ENGT 1310	Design Graphics I				
			3	CHEM 1311	General Chemistry I (Core)			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 2413, or MATH 2487 with a grade of "C" or higher."	See General Education Core for more details.
			1	CHEM 1111	General Chemistry I Lab (Core)		090	Credit/Registration in CHEM 1301	See General Education Core for more details.
		16 Semester							
	SPRING		3	ENGT 1320	Design Graphics II			ENGT 1310	
			4	MATH 2414	Calculus II	c		MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
		4	PHYS 2425	Physics for Scientists and Engineers I (Core)		030/090	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).		
		1	ENGT 1105	Machine Shop Lab			ENGT 1310		
		3	INFS 2300	Data Modeling Management Tools					
15 Semester									
SECOND YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	ENGT 2307	Engineering Materials I			CHEM 1311 and MATH 2413 (or MATH 2487).	
			3	MANE 2332	Engineering Statistics			MATH 2414	
			4	PHYS 2426	Physics for Sci & En II/Lab II (Core)		030/090	PHYS 2425.	See General Education Core for more details.
			3	ENGL 1302	Rhetoric & Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	See General Education Core for more details Options: ENGL 1302 or ENGL 1388 (H) or ENGL 1305
			3	Choose 1	Music or Art Appriciation (Core)		050		
		16 Semester							
	SPRING		3	ENGT 2310	Manufacturing Processes			ENGT 2307.	
			3	ELEE 2317	Elec. & Electronics Sys.			PHYS 2426.	
			3	Choose 1	Social and Behavioral Sciences (Core)		080		
		3	COMM 1311	Into to Communication					
		3	ENGT 3301	Computer Numerical Control			ENGT 1320, ENGT 2307, and ENGT 1105		
15 Semester									

	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	3	MANE 3337	Engineering Economics			Credit/registration in MANE 2332.	
		3	ENGT 3303	Prog. Logic Controllers			ELEE 2317	
		3	ENGT 33XX	Elective I				
		3	HIST 1301	U.S. History I		060		
		3	ENGT 33XX	Elective II				
	15 Semester							
	SPRING	3	ENGT 3318	Instruments and Transducers			ENGT 3303	
		3	ENGT 3324	Metrology			ENGT 1105, ENGT 1320, MANE 2332 and ENGT 3301	
		3	ENGT 33XX	Elective III				
		3	HIST 1302	US History II		060		
		3	ENGT 33XX	Elective IV				
	15 Semester							
FOURTH YEAR	FALL	2	ENGT 4201	Technical Project I			ENGT 1201, ENGT 2310, ENGT 3318, ENGT 3324, ENGT 3337 and Credit for or enrollment in ENGT 4335.	
		3	ENGT 4315	Robotics			ENGT 3303 and ENGT 3324	
		3	ENGT 33XX	Elective V				
		3	ENGT 4335	Project Management			MANE 3337, ENGT 3324 and Credit for or enrollment in ENGT 4201	
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
	14 Semester							
	SPRING	3	PHIL 2326	Ethics, Technology and Society		040		
		2	ENGT 4202	Technical Project II			ENGT 4201	
		3	ENGT 4326	Lean Six Sigma			ENGT 3324, MANE 3337	
		3	POLS 2306	Texas Government & Politics		070		
		3	ENG 23XX	English Literature		090		
	14 Semester							

CORE: The 2018-2019 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

Graduation Requirements

120 TOTAL HOURS
(43) TOTAL ADVANCED HOURS

Approved: Tuesday, April 3, 2018
Revised: Tuesday, April 3, 2018

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.

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.