

		I	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 1302/1388, 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	MATH 1314	College Algebra (Core)	C	020	College Ready TSI Status in Mathematics	See General Education Core for more details.	
			1	ENGT 1101	Introduction to Engineering Technology					
			3	ENGT 1310	Design Graphics I					
			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	UNIV 1301	Learning Framework					Only if required, based on ACT/SAT and high school rank.
16 Semester										
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 1302/1388, 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	
			4	MATH 2414	Precalculus			MATH 1314 or MATH 1414 with a grade of "C" or better; or passing the College Algebra Exemption Texas administered by the Department of Mathematics		
			3	ENGT 1320	Design Graphics II			ENGT 1310		
			3	EMGT 1321	Basic Architectural CAD					
			3	CHEM 1311	General Chemistry I (Core)			030	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.
17 Semester										
		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
SECOND YEAR	FALL		3	CSCI 1380	Computer Science I (Core)			090	Concurrent enrollment or credit for MATH 1314 or higher level mathematics course.	See General Education Core for more details.
			3	Choose 1	American History (Core)			060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328
			4	PHYS 1401	General Physics I (Core)			030/090	MATH 1414 or MATH 1314.	See General Education Core for more details.
			3	ENGT 2307	Engineering Materials I				CHEM 1311 and MATH 2413 (or MATH 2487).	
			4	MATH 2413	Calculus I				MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	
		17 Semester								
SECOND YEAR	SPRING		3	ENGT 2350	Residential Architectural CAD				ENGT 1321.	
			3	ENGT 2310	Introduction to Manufacturing Processes				ENGT 2307.	
			3	MATH 1342	Elementary Statistical Methods			020	College Ready TSI status in Mathematics.	Options: MATH 1387
			3	ENGT 3350	Commercial Architectural CAD				ENGT 2350.	
			3	ENGT 2321	Basic Electronics				PHYS 1401 and MATH 2413 (or MATH 2487).	
		15 Semester								

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL	3		ENGT 3310	Fundamentals of Product Design			ENGT 1320 and ENGT 2310.		
		3		ENGT 3311	Statics and Strength of Materials			ENGT 2307 and PHYS 1401.		
		3		ENGT 3312	Renewable Energy Technology			ENGT 2310 and ENGT 2321.		
		3	Choose 1		Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)	
		3	Choose 1		Language, Philosophy & Culture (Core)		040		See General Education Core for course options.	
	15 Semester									
	SPRING	3		ENGT 3320	Computer Integrated Manufacturing			ENGT 1320 and ENGT 2310.		
		3		ENGT 3321	Solar Energy Systems			ENGT 3312.		
		3		ENGT 3330	Green Building Design I			ENGT 2350, ENGT 3312, and ENGT 3311.		
		3		ENGT 3333	Quality Control			ENGT 2310 and MATH 1342 (or MATH 1387).		
1		Choose 1		Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.		
3			ENGT 4322	Machine Design			ENGT 3310 and ENGT 3311.			
16 Semester										
FOURTH YEAR	FALL	!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
		3		ENGT X3XX	Advanced Elective				Engineering Technology advanced course or other course approved by Faculty	
		3		ENGT 4311	Wind Energy Systems			ENGT 3312 and ENGT 4322.		
		3		ENGT 4312	Production Planning and Control			ENGT 3310 and ENGT 3320.		
		2		ENGT 4210	Senior Project I			ENGT 3320, ENGT 4322, ENGT 3321, and ENGT 3330.		
	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	Choose 1		Creative Arts (Core)		050		See General Education Core for course options.	
		3		ENGT X3XX	Advanced Elective				Engineering Technology advanced course or other course approved by Faculty	
		2		ENGT X2XX	Advanced Elective				Engineering Technology advanced course or other course approved by Faculty	
2			ENGT 4220	Senior Project II			ENGT 4210.			
3		Choose 1		Social and Behavioral Sciences (Core)		080		See General Education Core for course options.		
13 Semester										

CORE: The 2017-2018 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

Graduation Requirements

123 TOTAL HOURS
(0) TOTAL ADVANCED HOURS

Approved:
Revised: Thursday, May 4, 2017

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.