

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I		010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
			4	MATH 2413	Calculus I		020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			2	CIVE 1221	Engineering Graphics				Includes Graphics Lab.	
			3	CHEM 1307	Chemistry for Engineers			030	MATH 1314, MATH 1414, MATH 2412, or MATH 2487 with a grade of "C" or higher."	
			1	CHEM 1107	Chemistry for Engineers Lab			090	Credit/registration in CHEM 1307.	
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
				13 Semester Total Hours						
FIRST YEAR	SPRING		3	ENGL 1302	Rhetoric And Composition II		010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.		
			4	MATH 2414	Calculus II		020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			4	PHYS 2425	Physics for Scientists and Engineers I			030	MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488).	
			3	MANE 2332	Engineering Statistics				MATH 2413 (or MATH 2487).	
			3	MECE 2340	Engineering Materials				A grade of 'C' or better in CHEM 1307 and CHEM 1107 or CHEM 1311 and CHEM 1111, and credit/registration in MECE 2140.	
			1	MECE 2140	Engineering Materials Laboratory				A grade of 'C' or better in CHEM 1307 and CHEM 1107 or CHEM 1311 and CHEM 1111, and credit/registration in MECE 2340.	
				18 Semester Total Hours						
		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
SECOND YEAR	FALL		2	CIVE 2220	Civil Engineering Measurements			Minimum grade of 'C' in CIVE 1221.		
			3	MECE 2301	Statics			A grade of 'C' or better in MECE 1101 and PHYS 2425, and credit/registration in MATH 2414 (or MATH 2488).		
			3	MECE 2350	Numerical Methods for Engineers				Credit/registration in MATH 2414 (or MATH 2488).	
			4	MECE 3449	Mechanical Engineering Analysis I				A grade of 'C' or better in MATH 2414 (or MATH 2488) and credit/registration in MECE 2450.	
			4	PHYS 2426	Physics for Scientists and Engineers II			030	PHYS 2425.	
						16 Semester Total Hours				
SECOND YEAR	SPRING		2	CIVE 2240	Materials of Construction			Minimum grade of 'C' in CHEM 1307/1107 or CHEM 1311/1111.		
			3	MECE 2302	Dynamics				A grade of 'C' or better in MECE 2301 and MATH 2414 (or MATH 2488).	
			3	MECE 3321	Mechanics of Solids				A grade of C or better in MATH 2414 (or MATH 2488) and MECE 2301 or MANE 2403.	
			4	MECE 3450	Mechanical Engineering Analysis II				A grade of 'C' or better in MECE 2450 and MECE 3449.	
			3	CIVE 3315	Fluid Mechanics and Hydraulics				Minimum grade of 'C' in MECE 3449.	
			1	CIVE 3115	Fluid Mechanics and Hydraulics Lab				Concurrent enrollment in CIVE 3315.	
				16 Semester Total Hours						

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		2	CIVE 3252	Civil Engineering Systems Analysis			Minimum grade of 'C' in MECE 3449.		
			3	CIVE 3324	Structural Analysis			Minimum grade of 'C' in MECE 3321.		
			3	CIVE 3331	Environmental Engineering			Minimum grade of 'C' in PHYS 2425 and either CHEM 1307/1107 or CHEM 1311/1111, CIVE 3315/3115		
			4	CIVE 3475	Geotechnical Engineering and Applications			Minimum grade of 'C' in MECE 3321.		
			3	HIST 1301	U.S. History I		060			
		3	X3XX	Creative Arts			See General Education Core Curriculum			
			18 Semester Total Hours							
	SPRING		3	CIVE 3341	Structural Steel Design			Minimum grade of 'C' in CIVE 2240 and CIVE 3324.		
			3	CIVE 3345	Transportation Engineering			Minimum grade of 'C' in CIVE 2220.		
			3	HIST 1302	U.S. History II		060			
		3	X3XX	Life & Physical Sciences				BIOL 1406/1487; ENVR 1402/3304/4301; GEOL 1401/1403/1404/3408		
		3	X3XX	Social & Behavioral Science		080	See General Education Core Curriculum			
	3	POLS 2301	U.S. & Texas Government & Politics I		070					
		18 Semester Total Hours								
FOURTH YEAR	FALL		3	CIVE 4315	Applied Hydrology			Minimum grade of 'C' in CIVE 3331.		
			3	CIVE 43XX	Technical Elective I				CIVE 4333, 4347, 4348, 4350, 4351, 4352	
			3	CIVE 4335	Water Resources Engineering			Minimum grade of 'C' in CIVE 3315 and CIVE 3331. Concurrently enrollment with CIVE 4315.		
			1	CIVE 4190	Civil Engineering Senior Design I			Civil Engineering major and consent of faculty advisor.		
			3	PHIL 1310	Ethics, Happiness, and the Good Life		040		Must enroll in Engineering designated section	
			3	POLS 2302	U.S. & Texas Government & Politics II		070			
			16 Semester Total Hours							
	SPRING		3	CIVE 4346	Reinforced Concrete Design			Minimum grade of 'C' in CIVE 2240 and CIVE 3324.		
			3	CIVE 43XX	Technical Elective II				CIVE 4333, 4347, 4348, 4350, 4351, 4352	
			3	CIVE 4349	Construction Planning and Management			Minimum grade of 'C' in CIVE 3252		
		2	CIVE 4290	Civil Engineering Senior Design II			Advisor's consent.			
	3	ENGL 23XX	Integrative & Experiential Learning		090	See General Education Core Curriculum	Choose one ENGL 23XX course from Language, Philosophy & Culture area.			
		14 Semester Total Hours								

Graduation Requirements

129 TOTAL HOURS
(54) TOTAL ADVANCED HOURS

Approved: Wednesday, March 12, 2014
Revised: Friday, October 23, 2015

Symbols Key		
Critical ('I') : sequence sensitive course.	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.
Minimum Grade : A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.		