



College of Engineering

Bachelor of Science - Civil Engineering

Four-Year Academic Map 2014-2015

Year 1	Semester 1			Semester 2			Total
	CIVE 1100	Intro to Civil Engineering	1	GEOL 1330	Physical Geology OR	3	
	CHEM 1372	Chemistry for Engineers	3	BIOL 1361	Intro to Biological Science	3	
	CHEM 1117	Chemistry for Engineers Lab	1	CIVE 1331	Computing for Engineers	3	
	ENGL 1303	First Year Writing I	3	ENGL 1304	First Year Writing II	3	
	MATH 1431	Calculus I	4	MATH 1432	Calculus II	4	
	CORE	Social & Behavioral Sciences	3	PHYS 1321	University Physics I	3	
				PHYS 1121	Physics Lab	1	
Semester Hours			15	Semester Hours		17	32

Year 2	Semester 1			Semester 2			Total	
	CIVE 2330	Mechanics I	3	CIVE 2331	Mechanics II	3		
	CORE	Language, Philosophy & Culture	3	CIVE 2332	Mechanics of Solids	3		
	MATH 2433	Calculus III	4	INDE 2333	Engineering Statistics I	3		
	PHYS 1322	University Physics II	3	MATH 3321	Engineering Mathematics	3		
	MECT 3341	Computer Aided Drafting I	3	ENGI 2304	Technical Communications	3		
				POLS 1336	U.S. & Texas Constitutions & Politics	3		
	Semester Hours			16	Semester Hours		18	

Year 3	Semester 1			Semester 2			Total	
	CIVE 3331	Environmental Engineering	3	CIVE 3434	Fluid Mechanics & Hydraulic Engr	4		
	CIVE 3332	Engineering Materials	3	CIVE 4363	Concrete Design	3		
	CIVE 3337	Structural Analysis	3	CIVE 4369	Foundation Engineering	3		
	CIVE 3339	Geotechnical Engineering	3	CIVE	Civil Elective	3		
	ENGI 2334	Intro to Thermodynamics	3	INDE 3333	Engineering Economy I	3		
	POLS 1337	U.S. Government	3					
	Semester Hours			18	Semester Hours		16	

Year 4	Semester 1			Semester 2			Total		
	CIVE 4311	Professional Practice in Civil Engr	3	CIVE 4312	Civil Engineering Design Project	3			
	CIVE 4332	Hydrology	3	CIVE Elect	Civil Elective	3			
	CIVE 4333	Water & Wastewater Treatment	3	CIVE Elect	Civil Elective	3			
	CIVE Elect	Civil Elective	3	CORE	Creative Arts	3			
	HIST 1376/77	The United States to 1877	3	HIST 1378/79	The United States Since 1877	3			
	Semester Hours			15	Semester Hours		15		30
							130		

3Students should meet with their academic advisor to formulate their own plan.

