CIVIL ENGINEERING CURRICULUM EFFECTIVE FALL 2016

			FIR	ST YEAF	र		
CE CHEM ENGL ENGR MATH	1105 1465 1301 ^c 1300 ^c 1426 ^c	1 4 3 3 4 4			CE HIST MATH PHYS POLS	1252 2 1311 3 2425 4 1443 4 2311 3	
		15	SECO		AR	10	
CE CE CE HIST MATH PHYS	2153 2311 2331 1312 c 2326 c 1444 c	1 3 3 3 3 3 4 17			CE CE COMS GEOL I E MATH	2221 2 2313 3 2302 3 3340 3 2308 3 3319 3 17	
		See "Civil Engineering Course Sequene	ce" on	reverse	side for fre	quency of CE course offerings.	
CE CE CE CE CE CE	3210 3261 + 3301 (d 3305 3341 3343 +	CE 3161 3 or IE 3301) 3 CE 3143 4 18	FOU	RD YEAI	R CE CE CE CE POLS	3302 3 3311 3 3334 + CE 3131 4 3342 + CE 3142 4 2312 3 17	
CE	4347				CE	4383	
CE CE Tec CE Tec Langua	4352 hnical El hnical El ge/Philo hours o	lective 1	dents	who hav	CE Tech CE Tech CE Tech Creative	nical Elective 1 3 nical Elective 1 3 nical Elective 1 3 Arts Elective C,1 3 15 units of high school foreign language.	
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СОММ	JNICAT	IONS			NEERING (A	BET Proficiency test)	
ENGL COMS	1301 ^C 2302 ^C	Rhetoric & Composition I Professional & Technical Communication for Science & Engineering	CE CE CE	1104 1105 1252	Introduction Introduction Computer	n to Engineering n to Civil Engineering Fools - AutoCAD	
HISTORY			CE CE	2153 2221	53 Computer Tools - Civil 3D 21 Dynamics		
HIST HIST	1311 ^C 1312 ^C	History of the US to 1865 History of the US, 1865 to Present	CE CE CE	2311 S 2313 M 2331 E	Statics Mechanics of Materials I Engineering Measurement & Computer Modeling		
GOVERNMENT/POLITICAL SCIENCE				CE 3261 Properties and Behavior of CE Materials			
POLS POLS	2311 ^C 2312 ^C	Government of the United States State and Local Government	CE CE CE	3302 3305 3311	Transportation Engineering (<i>Transportation</i>) Basic Fluid Mechanics (<i>Water Resources</i>) Construction Engineering		
MATHEMATICS				3334	Principles of	of Environmental Engineering	
MATH MATH MATH MATH	1426 ^C 2425 ^C 2326 ^{C,2} 3319	Calculus I Calculus II Calculus III Differential Equations and Linear Algebra		3342 3343 4347 4352 4383	Introduction Soil Mecha Reinforced Professiona Senior Proj	n to Water Resources (<i>Water Resources</i>) nics (<i>Geotechnical</i>) Concrete Design al Practice ect	
LIFE AND PHYSICAL SCIENCE				CIVIL ENGINEERING LABORATORIES			
CHEM GEOL PHYS PHYS	1465 3340 1443 ^c 1444 ^c	Chemistry for Engineers Geology for Engineers General Technical Physics I General Technical Physics II	CE CE CE	3131 3142 3143 3161	Environmer Applied Flu Properties	ntal Analysis id Mechanics Lab and Behavior of Soils Is Laboratory	
<u>SOCIAL</u>	<u>& BEH</u>	AVIORAL SCIENCES	0L	5101			
IE	2308 ^C	Engineering Economics					

^C Indicates Core Curriculum Requirement ¹See reverse side of this sheet for Approved Electives for Civil Engineering Majors ²Required for C E majors as Foundational Component Area core.

APPROVED ELECTIVES FOR CIVIL ENGINEERING MAJORS

CIVIL ENGINEERING TECHNICAL ELECTIVES

Fifteen hours of senior technical electives are required, <u>including one **design** course</u> (shown in <u>**bold**</u> print below). Twelve hours to be selected from <u>four</u> of the following six areas: Construction, Environmental, Geotechnical, Structures, Transportation or Water Resources. The remaining six hours may be from any CE technical elective area.

CONSTRUCTION	4305, 4306, <u>4332</u>
ENVIRONMENTAL	4350, 4351, 4 353, 4354, <u>4355</u>
GEOTECHNICAL	4320 , 4321 , 4322 , 4323 , 4336, 4337
TRANSPORTATION	4311, 4312 , 4313 , 4314
WATER RESOURCES	4326, 4328 , 4330, 4358
STRUCTURES	4324, 4325, 4348, 4360, 4361, 4363, 4365, 4366, 4368, 4369

CE 4300 Advanced Topics courses, when offered, may be used for the area to which the topic is pertinent.

CREATIVE ARTS ELECTIVE

Any course which satisfies the University Core Curriculum requirement for Creative Arts is accepted. A list is available in the Department office.

LANGUAGE, PHILOSOPHY & CULTURE ELECTIVE

Any course which satisfies the University Core Curriculum requirement for Language, Philosophy & Culture is accepted. A list is available in the Department office.

PREREQUISITES AND COURSE SEQUENCE

Information provided here and on the Civil Engineering Advising and Course Selection Guide is to assist students in planning the sequence of courses required for an undergraduate degree in Civil Engineering. Requirements for the degree are listed in the current University of Texas at Arlington Undergraduate Catalog. Students should refer to the catalog to confirm prerequisite requirements and consult with the Department if additional clarification is required.

CIVIL ENGINEERING PREREQUISITES

Students may not attempt a CE course until they have earned a grade of C or better in the prerequisite course(s).

CIVIL ENGINEERING COURSE SEQUENCE

The sequence of courses shown on the front side of this form will satisfy the required prerequisites and allow a student to graduate in four years. However, it may be necessary to modify this course sequence for a number of reasons. A CE Undergraduate Advisor will help select the sequence of courses suitable for each student.

The CE Department intends to offer CE 1000, CE 2000, CE 3000, CE 4347, CE 4352, and CE 4383 each fall and spring semester. Civil Engineering Technical Elective Courses will not be offered every semester. A multi-year schedule of when technical electives will be offered is available in the Department office.

Certain CE courses will also be offered in the summer 11-week semester. The courses selected will depend on anticipated need, faculty availability, and budget. At this time, students should <u>not</u> plan their long term schedules assuming that particular courses will be offered in summer.