ARCHITECTURAL ENGINEERING CURRICULUM EFFECTIVE FALL 2016

FIRST YEAR

ARCH	1301[C]	3		CE	1252[C]	2
ARCH	1341	3		ENGL	1301[C]	3
CE	1105	1		I E	2308[C]	3
ENGR	1300	3		MATH	2425[C]	4
MATH	1426[C]	4		PHYS	1443[C]	4
		14				16

SECOND YEAR

ARCH	2553	5		CE	2221	2
CE	2153	1		CE	2313	3
CE	2311	3		CHEM	1465	4
MATH	2326[C]	3		COMS	2302[C]	3
PHYS	1444[C]	4		EE	2320	3
		16				15

See "Civil Engineering Course Sequence" on reverse side for frequency of CE course offerings.

THIRD YEAR

ARCH	4357	3		CE	3305	3
CE	3110	1		CE	3341	3
CE	3301	3		CE	3343 + CE 3143	4
CE	3311	3		MAE	3309	3
MATH	3319	3		POLS	2312	3
POLS	2311	3				16
		16				

FOURTH YEAR

ARCH	4325	3		ARCH	4326	3
CE	4348	3		CE	4347	3
CE	4352	3		CE	4383	3
HIST	1311[C]	3		HIST	1312[C]	3
PHIL	2300[C]	3				12
		15				

Six (6) hours of Foreign Language are required for students who have not had 2 units of high school foreign language.

REQUIRED COURSE TITLES

COMMUNICATIONS

ENGL	1301[C]	Rhetoric & Composition I
COMS	2302[C]	Professional & Technical Communication for Science & Engineering

HISTORY

HIST	1311[C]	History of the US to 1865
HIST	1312[C]	History of the US, 1865 to Present

GOVERNMENT/POLITICAL SCIENCE

POLS	2311[C]	Government of the United States
POLS	2312[C]	State and Local Government

MATHEMATICS

MATH	1426[C]	Calculus I
MATH	2425[C]	Calculus II
MATH	2326[C,1]	Calculus III
MATH	3319	Differential Equations and Linear Algebra

LIFE AND PHYSICAL SCIENCE

CHEM	1465	Chemistry for Engineers
PHYS	1443[C]	General Technical Physics I
PHYS	1444[C]	General Technical Physics II

LANGUAGE, PHILOSOPHY, & CULTURE

PHIL	2300[C]	Introduction to Philosophy

ARCHITECTURE

ARCH	1301[C]	Introduction to Architecture and Interior Design
ARCH	1341	Design Communications
ARCH	2553	Basic Design and Drawing for Engineers
ARCH	4325	Environmental Control Systems I
ARCH	4326	Environmental Control Systems II
ARCH	4357	Building Information Modeling & Visualization

CIVIL ENGINEERING

CE	1105	Introduction to Civil Engineering
CE	1252	Computer Tools - AutoCAD
CE	2153	Computer Tools - Civil 3D
CE	2221	Dynamics
CE	2311	Statics
CE	2313	Mechanics of Materials I
CE	3110	Civil Engineering Communications
CE	3301	Stochastic Models for Civil Engineering
CE	3305	Basic Fluid Mechanics
CE	3311	Construction Engineering
CE	3341	Structural Analysis
CE	3343	Soil Mechanics
CE	3143	Properties and Behavior of Soils
CE	4347	Reinforced Concrete Design
CE	4348	Structural Design in Steel
CE	4352	Professional Practice
CE	4383	Senior Project

OTHER ENGINEERING

ENGR	1300	Engineering Problem Solving
EE	2320	Circuit Analysis
IE	2308[C]	Economics for Engineers
MAE	3309	Thermal Engineering

[C] Indicates Core Curriculum Requirement
[1] Required as the Foundational Component Area core course.

PREREQUISITES AND COURSE SEQUENCE

Information provided here and on the Architectural Engineering Advising and Course Selection Guide is to assist students in planning the sequence of courses required for an undergraduate degree in Architectural 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 Civil Engineering Department if additional clarification is required.

CIVIL ENGINEERING PREREQUISITES

Students may not attempt a 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 Civil Engineering Undergraduate Advisor will help select the sequence of courses suitable for each student.

Architecture courses are offered on a schedule determined by the School of Architecture. The Civil Engineering Department intends to offer CE 1000, CE 2000, CE 3000, CE 4347, CE 4352, and CE 4383 each fall and spring semester. CE 4348 will be offered in the fall.

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 *not* plan their long term schedules assuming that particular courses will be offered in summer.**