

ARCHITECTURAL ENGINEERING CURRICULUM EFFECTIVE FALL 2015

FIRST YEAR

ARCH 1301 ^C 3	CE 1252 2
ARCH 1341 3	ENGL 1301 ^C 3
CE 1105 1	IE 2308 ^C 3
ENGR 1300 3	MATH 2425 ^C 4
MATH 1426 ^C 4	PHYS 1443 4
<u>14</u>	<u>16</u>

SECOND YEAR

ARCH 2553 5	CE 2221 2
CE 2152 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
<u>16</u>	<u>15</u>

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	<u>16</u>
<u>16</u>	

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	<u>12</u>
<u>15</u>	

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
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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 2152	Computer Tools - Mathcad
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.**