

First Year

Fall Semester – 16 Semester Credit Hours

CE 1105 Introduction to Civil Engineering
CHEM 1465 Chemistry for Engineers
ENGL 1301 Rhetoric and Composition I
CE 1353 Intro to Computer Aided Design Tools in CE
ENGR 1101 Entrance to Engineering for Transfer Students
or UNIV 1131
MATH 1426 Calculus I

Second Year

Fall Semester – 16 Semester Credit Hours

CE 2311 Statics
CE 2331 Engineering Measurement & Computer Modeling
HIST 13XX U.S. History Elective
MATH 2326 Calculus III
PHYS 1444 General Technical Physics II

Third Year

Fall Semester – 17 Semester Credit Hours

CE 3210 CE Communications
CE 3253 Applications of Computer-Based Design Programs
 in CE
CE 3361 Property & Behavior of CE Materials
CE 3305 Basic Fluid Mechanics
CE 3142 Applied Fluid Mechanics Lab
CE 3341 Structural Analysis
CE 3311 Construction Engineering

Fourth Year

Fall Semester – 15 Semester Credit Hours

CE 4347 Reinforced Concrete Design
CE 4328 Water Systems Design
CE 4352 Professional Practice
CE 43XX Senior Technical Elective (1)
Language, Philosophy, and Culture Elective

Spring Semester – 17 Semester Credit Hours

IE 2308 Engineering Economy
HIST 13XX U.S. History Elective
MATH 2425 Calculus II
PHYS 1443 General Technical Physics I
POLS 2311 Government of the United States

Spring Semester – 17 Semester Credit Hours

CE 2221 Dynamics
CE 2313 Mechanics of Materials
COMS 2302 Professional & Technical Communications for
 Scientists & Engineers
GEOL 3340 Geology for Engineers
CE 3301 Stochastic Models for CE
MATH 3319 Differential Equations & Linear Algebra

Spring Semester – 17 Semester Credit Hours

CE 3302 Transportation Engineering
CE 3342 Introduction to Water Resources
CE 3334 Principles of Environmental Engineering
CE 3131 Environmental Analysis
CE 3343 Soil Mechanics
CE 3143 Properties & Behavior of Soils
POLS 2312 State and Local Government

Spring Semester – 15 Semester Credit Hours

CE 4383 Senior Project
CE 43XX Senior Technical Elective (2)
CE 43XX Senior Technical Elective (3)
CE 43XX Senior Technical Elective (4)

Creative Arts Elective

COE Foreign Language Requirement: Two years of same foreign language in high school or six semester credit hours of the same foreign language.

General Core Requirements

- The UTA Civil Engineering Program requires one (three SCH) *Creative Arts Elective*. This elective can be chosen from the following list of courses offered at UTA.

ARCH 1301	Introduction to Architecture & Interior Design
ART 1301	Art Appreciation
ART 1309	Art of the Western World I
ART 1310	Art of the West II
MUSI 1300	Music Appreciation
THEA 1342	Theatre and Film Appreciation
THEA 1343	Introduction to Theatre
MUSI 1302	Jazz Appreciation
MUSI 2300	Intro to World Music
MUSI 2301	Film Music Appreciation

- Students majoring in Civil Engineering must take **IE 2308**, which is a *Social & Behavioral Sciences* elective option. If a student has taken a different course from the approved Social & Behavioral Sciences elective list, it will be counted as part of your core curriculum. However, IE 2308 will also need to be completed to satisfy the course requirement for the Architectural Engineering degree plan.
- The UTA Civil Engineering Program requires one (three SCH) *Language, Philosophy & Culture* Elective. This elective can be chosen from the following list of courses offered at UTA.

ANTH 2322	GLOBAL CULTURES
ARAB 2310	ARABIC CULTURE IN THE WORLD
ARAB 2314	INTERMEDIATE ARABIC II
ARCH 2300	MASTERWORKS OF WESTERN ARCH
ART 1317	INTRODUCTION TO ART HISTORY III
ASL 2314	INTER AMERICAN SIGN LANGUAGE II
CHIN 2310	CHINESE CULTURE IN THE WORLD
CHIN 2314	INTERMEDIATE CHINESE II
CLAS 1300	INTRO TO CLASSICAL MYTHOLOGY
WOMS 2315	INTRODUCTION TO LGBTQ+ STUDIES
ENGL 2303	TOPICS IN LITERATURE
ENGL 2309	WORLD LITERATURE
ENGL 2319	BRITISH LITERATURE
ENGL 2329	AMERICAN LITERATURE
FREN 2310	FRENCH CULTURES IN THE WORLD
FREN 2314	INTERMEDIATE FRENCH II
GLOBAL 2301	INTRODUCTION TO GLOBAL ISSUES
GREK 2314	GREEK LEVEL IV
HIST 2377	FLIGHT CULTURE & HUMAN EXPERIENCE
KORE 2310	KOREAN CULTURE IN THE WORLD
KORE 2314	INTERMEDIATE KOREAN II
LATN 2314	LATIN LEVEL IV
LING 2371	LANGUAGE IN A MULTICULTURAL USA
MAS 2300	INTRO TO MEXICAN AMERICAN STUDIES
PHIL 1304	CONTEMPORARY MORAL PROBLEMS
PHIL 2300	INTRODUCTION TO PHILOSOPHY
PORT 2314	INTERMEDIATE PORTUGUESE II
RUSS 2310	RUSSIAN CULTURE IN THE WORLD
RUSS 2314	INTERMEDIATE RUSSIAN II
SOCI/INTS 1310	INTRODUCTION TO POPULAR CULTURE
SPAN 2314	INTERMEDIATE SPANISH II
SPAN 2310	HISPANIC CULTURE IN THE WORLD
SPAN 2315	INTERM SPAN HERITAGE SPEAKERS

Senior Elective

A list of Civil Engineering Senior Technical Electives is available upon request.