

NAME

UTA ID

Freshman First Semester		
	CE 1105	Introduction to Civil Engineering
	CHEM 1465	Chemistry for Engineers (HS Chemistry, MATH 1421 ^{CO}) __ CHEM 1441 __ CHEM 1442
	ENGL 1301	Rhetoric and Composition I
	ENGR 1250	Engineering Problem Solving (MATH 1421 ^{CO})
	ENGR 1101	Entrance to Engineering for Transfer Students (OR UNIV 1131)
	MATH 1426	Calculus I (Qualifying MPT score)

Freshman Second Semester		
	CE 1252	Computer Tools – AutoCAD (MATH 1421)
	HIST 1301*	History of the US to 1865 (ENGL 1301 ^{CO})
	MATH 2425	Calculus II (MATH 1426)
	PHYS 1443	General Technical Physics I (MATH 1426) __ PHYS 1441 __ PHYS 1181
	POLS 2311*	Government of the United States

Sophomore First Semester		
	CE 2153	Computer Tools – Civil 3D (CE 1252)
	CE 2311	Statics (PHYS 1443)
	CE 2331	Engineering Measurement and Computer Modeling (CE 1252)
	HIST 1302*	History of the US, 1865 to Present (ENGL 1301 ^{CO})
	MATH 2326	Calculus III (MATH 2425)
	PHYS 1444	General Technical Physics II (PHYS 1443, MATH 2425 ^{CO}) __ PHYS 1442 __ PHYS 1182

Sophomore Second Semester		
	CE 2221	Dynamics (CE 2311, MATH 2425)
	CE 2313	Mechanics of Materials I (AREN 2311, MATH 2425)
	COMS 2302	Prof & Tech Com. for Sci. & Engrs (ENGL 1301, ENGR 1300, 30+ SCH) __ COMS 2305 __ ENGL 2338
	GEOL 3340	Geology for Engineers (CHEM 1465, PHYS 1443)
	IE 2308	Engineering Economy (MATH 1426 ^{CO}) Social & Behavioral Sciences Elective
	MATH 3319	Diff Equations & Linear Algebra (MATH 2326 ^{CO}) __ MATH 3318 __ MATH 3330

Junior First Semester		
	CE 3210	CE Communication (COMS 2302)
	CE 3361	Prop. and Behavior of CE Materials (CE 2313, CE 3161 ^{CR} , CHEM 1465)
	CE 3301	Stochastic Models for CE (MATH 2425)
	CE 3305	Basic Fluid Mechanics (CE 2311, MATH 3319 ^{CO})
	CE 3341	Structural Analysis (CE 2313)
	CE 3343	Soil Mechanics (CE 2313, CE 3143 ^{CR})
	CE 3143	Properties and Behavior of Soils (CE 3343 ^{CR})

Junior Second Semester		
	CE 3302	Transportation Engineering (CE 2331, CE 3301 or IE 3301)
	CE 3311	Construction Engineering (IE 2308)
	CE 3334	Prin. of Environmental Engineering (CHEM 1465, CE 3131 ^{CR} , CE 3305)
	CE 3131	Environmental Analysis (CE 3334 ^{CR})
	CE 3342	Introduction to Water Resources (CE 3142 ^{CR} , CE 3301, CE 3305)
	CE 3142	Applied Fluid Mechanics Lab (CE 3342 ^{CR})
	POLS 2312*	State and Local Government

Senior First Semester		
	CE 3347	Reinforced Concrete Design (CE 3341)
	CE 3328	Water System Design (CE 3342)
	CE 43xx	Senior Technical Elective (1)
	CE 43xx	Senior Technical Elective (2)
	*	Language, Philosophy, and Culture Elective

Senior Second Semester		
	CE 4383	Senior Project (CE 4352, one design course, all 3000level courses)
	CE 4352	Professional Practice (CE 3311)
	CE 43xx	Senior Technical Elective (3)
	CE 43xx	Senior Technical Elective (4)
	*	Creative Arts Elective

Civil Engineering Course Information

- A course number shown with an asterisk (HIST 1311*) is a General Education course. These courses are neither pre-professional nor professional program Civil Engineering courses.
- A course number shown with normal weight and without an asterisk (CE 1105) is a Civil Engineering pre-professional course. A grade of C or better must be earned in each Civil Engineering pre-professional course.
- A course number shown in bold (**CE 3341**) is a Civil Engineering professional program course. Enrollment in a 3000 or 4000 level Civil Engineering professional program course requires admission to the Civil Engineering professional program or written permission from the department academic advisor.
- Requisite courses are shown in parentheses (MATH 1323). A requisite course designated ^{CO} (MATH 1421^{CO}) may be taken concurrently at UTA. A requisite course designated ^{CR} (CE 3143^{CR}) must be taken concurrently at UTA. All other requisite courses are prerequisites. Civil Engineering majors (CE, CE Intended, and CE UCOL) may not attempt a course before earning a grade of C or better in all prerequisite courses.

Core Electives

- 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.

UTA Creative Arts Electives

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

UTA Language, Philosophy & Culture Electives

ANTH 2322	Global Cultures	HIST 2377	Flight Culture and the Human Experience
ARAB 2310	Arabic Culture in the World	INTS 1310	Introduction to Popular Culture
ARAB 2314	Intermediate Arabic II	KORE 2310	Korean Culture in the World
ARCH 2300	Masterworks of Western Architecture	KORE 2314	Intermediate Korean II
ART 1317	The Art of Non-Western Traditions	LATN 2314	Latin Level IV
CHIN 2310	Chinese Culture in the World	LING 2371	Language in a Multicultural USA
CHIN 2314	Intermediate Chinese II	MAS 2300	Intro to Mexican American Studies
CLAS 1300	Introduction to Classical Mythology	PHIL 1304	Contemporary Moral Problems
ENGL 2303	Topics in Literature	PHIL 2300	Introduction to Philosophy
ENGL 2309	World Literature	PORT 2314	Intermediate Portuguese II
ENGL 2319	British Literature	RUSS 2310	Russian Culture in the World
ENGL 2329	American Literature	RUSS 2314	Intermediate Russian II
FREN 2310	French and Francophone Cultures in the World	SOCI 1310	Introduction to Popular Culture (proposed)
FREN 2314	Intermediate French II	SPAN 2310	Hispanic Culture in the World
GERM 2310	German Culture in the World	SPAN 2314	Intermediate Spanish II
GERM 2314	Intermediate German II	WOMS 2310	Intro to Women's & Gender Studies
GLOBAL 2301	Introduction to Global Studies		
GREK 2314	Greek Level IV		

Senior Elective

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