

2019-2020 UTEP Bachelor of Science in Construction Engineering & Management

<u>LOWER-DIVISION</u>				<u>UPPER-DIVISION</u>			
FRESHMAN YEAR				JUNIOR YEAR			
<i>16 hrs.</i>				<i>15 hrs.</i>			
CE	1301	Civil Engineering Fundamentals ¹	*Math 1411	CE	3336	Civil Engr. Materials	*CE 2334
UNIV	1301	Foundations of Engineering ¹	-	BLAW	3301	Legal Environment of Business	-
MATH	1411	Calculus I ¹	-	CE	2326	Economics for Engr. & Sci. ¹	-
GEOL	1211	Principles of Earth Sciences ¹	-	CE	3334	Construction Management I	-
GEOL	1111	Principles of Earth Sciences Lab ¹	-	POLS	2310	Introduction to Politics ¹	-
RWS	1301	Rhetoric and Composition I ¹	-	<i>15 hrs.</i>			
<i>16 hrs.</i>				CE	3348	Geotechnical Engineering	*CE 3336
CE	2315	Statics ¹	*MATH 1411, *CE 1301, *PHYS 2420	COMM	1302	Business & Prof. Comm. ¹	-
MATH	1312	Calculus II ¹	*MATH 1411	FIN	3310	Business Finance	-
CHEM	1305	General Chemistry I ¹	*MATH 1411	POLS	2311	American Gov. & Politics ¹	*POLS 2310
CHEM	1105	Laboratory for General Chemistry I ¹	*CHEM 1305	<i>16 hrs.</i>			
CE	1313	Engineering Measurements ¹	-	CE	4339	Geostructural Design	*CE 3348
RWS	1302	Rhetoric and Composition II ¹	*RWS 1301	CE	4354	Electrical & Mech. Construction	-
SOPHOMORE YEAR				CE	4382	Const. Cost Analysis & Bidding	-
<i>15 hrs.</i>				CE	4358	Const. Methods & Materials	-
CE	2334	Mech. of Materials ¹	*CE 2315	CE	4158	Const. Methods & Materials Lab	Dept. App.
MATH	2313	Calculus III ¹	*MATH 1312	CE	4188	Senior Design I	Dept. App.
CE	2335	Geological Engineering ¹ (GEO 3321)	-	<i>15 hrs.</i>			
ACCT	2301	Principles of Accounting ¹	-	CE	4386	Construction Law & Ethics	-
HIST	1301	History of the US since 1865 ¹	-	CE	4387	Construction Scheduling	CE 4382
<i>12 hrs.</i>				CE	4389	Construction Safety	-
CE	2343	Structural Analysis ¹	*CE 2334	CE	4385	Construction Internship	-
CE	2375	Intro. to Fluid Mechanics ¹	*CE 2315	CE	4288	Senior Design II	Dept. App.
HIST	1302	History of the US since 1865 ¹	-	<i>15 hrs.</i>			
CE	2373	Engr. Prob. & Stat. (IE 3373) ¹	*MATH 2313	CE	4386	Construction Law & Ethics	-
Creative Arts Elective ^{*3,1}				CE	4387	Construction Scheduling	CE 4382
<i>12 hrs.</i>				CE	4389	Construction Safety	-
CE	2373	Engr. Prob. & Stat. (IE 3373) ¹	*MATH 2313	CE	4385	Construction Internship	-
Creative Arts Elective ^{*3,1}				CE	4288	Senior Design II	Dept. App.

Notes:

Courses in () are Equivalent and/or Approved Substitutions

*Prerequisite Course

*Corequisite if scheduled for the same semester.

¹ A grade of "C" or better must be achieved for all Lower-Division courses, including the Arts and Humanities electives, as well as CE 2373 (IE 3373) & CE 2335 (GEO 3321)

² Select a Lang. Philosophy and Culture course from ENGL 2311, 2312, 2313, 2314, 2318; FREN 2322; HIST 2301, 2302; PHIL 1301, 2306; RS 1301; SPAN 2340; WS 2300, 2350

³ Select an ART course from ART 1300; ARTH 1305, 1306; DANC 1304; MUSL 1324, 1327, 2321; THEA 1313; FILM 1390