

## 2016-2017 UTEP Bachelor of Science in Construction Engineering & Management

<u>LOWER-DIVISION</u>				<u>UPPER-DIVISION</u>			
<b>FRESHMAN YEAR</b>				<b>JUNIOR YEAR</b>			
<u>16 hrs.</u>				<u>15 hrs.</u>			
CE	1301	Civil Engineering Fundamentals <sup>1</sup>	-	CE	3336	Civil Engr. Materials	*CE 2334
UNIV	1301	Foundations of Engineering <sup>1</sup>	-	BLAW	3301	Legal Enviroment of Business	-
MATH	1411	Calculus I <sup>1</sup>	-	CE	2326	Economics for Engr. & Sci. <sup>1</sup>	-
GEOL	1211	Principles of Earth Sciences <sup>1</sup>	-	CE	3334	Construction Management I	-
GEOL	1111	Principles of Earth Sciences Lab <sup>1</sup>	-	POLS	2310	Introduction to Politics <sup>1</sup>	-
RWS	1301	Rhetoric and Composition I <sup>1</sup>	-	<hr/>			
<u>16 hrs.</u>				<u>15 hrs.</u>			
CE	2315	Statics <sup>1</sup>	*MATH 1411, CE 1301	CE	3348	Geotechnical Engineering	*CE 2334,2335,3336
MATH	1312	Calculus II <sup>1</sup>	*MATH 1411	COMM	1302	Business & Prof. Comm. <sup>1</sup>	-
CHEM	1305	General Chemistry I <sup>1</sup>	*MATH 1411	FIN	3310	Business Finance	-
CHEM	1105	Laboratory for General Chemistry I <sup>1</sup>	*CHEM 1305	MGNT	3303	Introduction to Management	-
CE	1313	Engineering Measurements <sup>1</sup>	-	POLS	2311	American Gov. & Politics <sup>1</sup>	*POLS 2310
RWS	1302	Rhetoric and Composition II	*RWS 1301	<hr/>			
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<b>SOPHOMORE YEAR</b>				<b>SENIOR YEAR</b>			
<u>15 hrs.</u>				<u>16 hrs.</u>			
CE	2334	Mech. of Materials <sup>1</sup>	*CE 2315	CE	4339	Geostructural Design	*CE 3348
MATH	2313	Calculus III <sup>1</sup>	*MATH 1312	CE	4354	Electrical & Mech. Construction	-
CE	2335	Geological Engineering (GEO 3321)	-	CE	4382	Const. Cost Analysis & Bidding	-
ACCT	2301	Principles of Accounting <sup>1</sup>	-	CE	4358	Const. Methods & Materials	-
HIST	1301	History of the US since 1865 <sup>1</sup>	-	CE	4158	Const. Methods & Materials Lab	-
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<u>12 hrs.</u>				<u>15 hrs.</u>			
CE	2343	Structural Analysis <sup>1</sup>	*CE 2334	CE	4386	Construction Law & Ethics	-
CE	2375	Intro. to Thermal-Fluid Science <sup>1</sup>	*MATH 1312	CE	4387	Construction Scheduling	-
HIST	1302	History of the US since 1865 <sup>1</sup>	-	CE	4389	Construction Safety	-
CE	2377	Electro Mech. Systems (IE 2377) <sup>1</sup>	-	CE	4385	Construction Internship	-
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**Notes:**

Courses in ( ) are Equivalent and/or Approved Substitutions

\*Prerequisite Course

\*Corequisite if scheduled for the same semester.

<sup>1</sup> 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 (GEOL 3321)

<sup>2</sup> 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

<sup>3</sup> Select an ART course from ART 1300; ARTH 1305, 1306; ARTS 3320; DANC 1304; FILM 1390; MUSL 1321, 1324, 1327; THEA 1313; FILM 1390