

UTEP Bachelor of Science in Civil Engineering: 128 credit hours

LOWER-DIVISION¹

FRESHMAN YEAR

18 hrs.

CHEM	1305	Chemistry I Lect/Wkshp	*MATH 1411
CHEM	1105	Chemistry I Lab	*CHEM 1305
RWS	1301	Rhetoric and Composition I	-
MATH	1411	Calculus I	-
PHYS	2420	Intro. Mechanics Lect/Sem/Lab	*MATH 1411
UNIV	1301	Foundations of Engineering	-

17 hrs.

CE	1205	Graphics Fundmntls.	-
CE	2315	Statics	*MATH 1411, PHYS 2420
RWS	1302	Rhetoric and Composition II	*ENGL 1311
HIST	1301	Hist. of US to 1865	-
MATH	1312	Calculus II	*MATH 1411
POLS	2310	Intro. to Politics	-

SOPHOMORE YEAR

18 hrs.

CE	2334	Mech. of Materials	*CE 2315
CE	2377	Electro-Mech. (IE 2377)	*MATH 1312
CHEM	1306	General Chemistry II	*CHEM 1305
MATH	2313	Calculus III	*MATH 1312
POLS	2311	American Govern. & Pol.	-
COMM	1301	Component Area Option (COMM 130)	-

18 hrs.

CE	2326	Economics for Engr. & Sci. ²	-
CE	2338	Dynamics/Mech. II	*CE 2315, MATH 1312
CE	2341	Engr. Analysis I (CS 1320)	*CE 2315, MATH 2313
CE	2375	Thermal-Fluid Sci.	*CE 2338, MATH 1312
HIST	1302	History of the US since 1865	-
MATH	2326	Differential Equations	*MATH 1312

RISING JUNIOR EXAM (RJE)

RJE taken during last Sophomore semester; passing RJ score required to register for Junior- and Senior-level courses. See <http://ce.utep.edu/> for scheduling. No fee for first exam; \$25 fee for all retakes. Courses tested: CE 2315, 2334, 2338; CHEM 1305, 1306; MATH 1411, 1312, 2313, 2326.

UPPER-DIVISION³

JUNIOR YEAR

15 hrs.

CE	3313	Engineering Measurements	*CE 1205
CE	3325	Environmental Engr. Fund.	*CE 2375
CE	3343	Structural Analysis I	*CE 2334
CE	3373	Engr. Prob. & Stat. (IE 3373)	*MATH 2313
		Lang. Philosophy and Culture ⁴	-

16 hrs.

CE	3335	Geological Engr. (GEOL 3321)	*CE 1205
CE	3336	Civil Engr. Materials	-
CE	3345	Structural Design I	*CE 3343
CE	3456	Hydraulic Engineering	*CE 2375, 3373
		Creative Arts Elective ⁵	-

SENIOR YEAR

13 hrs.

CE	4188	Senior Design I	*100 hrs., Dept. App.
CE	4340	Transportation Engr.	*CE 3313, 3373
CE	4348	Geotechnical Engr.	*CE 2334, 3335, 3336
CE	4361	Structural Design II	*CE 3343
CE	4375	Advanced Topics in CE I	*Dept. App.

13 hrs.

CE	4195	Senior Professional Orient. ⁶	-
CE	4288	Senior Design II	-
CE	4334	Construction Management I	*CE 2326
CE	4342	Water & Waste Water Engr.	*CE 2375
CE	4153	Water & Waste Laboratory	*CE 4342
CE	4376	Advanced Topics in CE II	*Dept. App.

FUNDAMENTALS OF ENGINEERING (FE) EXAM

FE Exam taken during final/graduating semester in coordination with CE 4195 (SPO); passing FE score required to become a certified EIT. EIT and four years of experience are required to take PE Exam. For more information, see: http://www.ncees.org/Exams/FE_exam.php and <http://www.tbpe.state.tx.us/>.

Notes:

(Equivalent Course); *Prerequisite Course (or Corequisit if scheduled for the same semester); Course credit hours indicated by second digit of course number.

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 3373.

² Meets 3 credit hours of Social and Behavioral Science Requirements

³ A passing score on the RJE is required before registering for any Upper-Division (Junior or Senior) courses.

⁴ 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

⁵ Select an ART course from ART 1300; ARTH 1305, 1306; ARTS 3320; DANC 1304; FILM 1390; MUSL 1321, 1324, 1327; THEA 1313; FILM 1390

⁶ A passing score on the FE guarantees a passing grade in CE 4195 (Senior Professional Orientation).

Revised: 31 May 2014