

# Texas Tech University

Whitacre College of Engineering  
Bachelor of Science in Civil Engineering

Last Update:  
June 2011

## First Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 1351 Calculus I	MATH 2413	4	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	4
<input type="checkbox"/> ENGL 1301 Composition I	ENGL 1301	3	<input type="checkbox"/> ENGL 1302 Composition II	ENGL 1302	3
<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3	<input type="checkbox"/> CE 1305 Engineering Analysis I	@ Tech	3
<input type="checkbox"/> CE 1130 Civil Engineering Seminar	@ Tech	1	<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4
<input type="checkbox"/> EGR 1207 Engineering Graphics	ENGR 1304	3	<input type="checkbox"/> CHEM 1308 General Chemistry II	CHEM 1412	4
<input type="checkbox"/> CHEM 1307 General Chemistry I	CHEM 1411	4	<input type="checkbox"/> CHEM 1108	"	
<input type="checkbox"/> CHEM 1107	"				
				<b>TOTAL</b>	<b>17</b>
	<b>TOTAL</b>	<b>16</b>			

## Second Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> MATH 2350 Calculus III	MATH 2315	3	<input type="checkbox"/> MATH 3350 Differential Equations	MATH 2320	3
<input type="checkbox"/> PHYS 2401 Physics II* or ECE 3301	PHYS 2426	4	<input type="checkbox"/> ME 2322 or IE 3301 Engineering Econ.	@ Tech	3
<input type="checkbox"/> CE 2301 Statics	ENGR 2301	3	<input type="checkbox"/> CE 3303 Mechanics of Solids	@ Tech	3
<input type="checkbox"/> CONE 2302 Surveying	@ Tech	2	<input type="checkbox"/> CE 3305 Mechanics of Fluids	@ Tech	3
<input type="checkbox"/> POLS 1301 American Govt., Organization	GOVT 2301	3	<input type="checkbox"/> IE 3341 or MATH 3342 Statistics	@ Tech	4
<input type="checkbox"/> CE 2101 Constr Materials Lab	@ Tech	1			
				<b>TOTAL</b>	<b>15</b>
	<b>TOTAL</b>	<b>16-17</b>			

## Third Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> CE 3440 Structural Analysis I	@ Tech	4	<input type="checkbox"/> CE 3372 Water Systems Design	@ Tech	3
<input type="checkbox"/> CE 3354 Intro to Hydrology	@ Tech	3	<input type="checkbox"/> CE 3341 Principles of Struc Design	@ Tech	3
<input type="checkbox"/> CE 3309 Environmental Engr I	@ Tech	3	<input type="checkbox"/> CE 3302 Dynamics	@ Tech	3
<input type="checkbox"/> CE 3171 Environmental Engr Lab	@ Tech	1	<input type="checkbox"/> CE 3321 Intro to Geotechnical Engr	@ Tech	3
<input type="checkbox"/> CE 3105 Mechanics of Fluids Lab	@ Tech	1	<input type="checkbox"/> CE 3121 Geotechnical Engr Lab	@ Tech	1
<input type="checkbox"/> CE 3103 Mechanics of Solids Lab	@ Tech	1	<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3
<input type="checkbox"/> HIST 2301 American History from 1877	HIST 1302	3			
				<b>TOTAL</b>	<b>16</b>
	<b>TOTAL</b>	<b>16</b>			

## Fourth Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> CE 4343 Design of Concrete Strucs	@ Tech	3	<input type="checkbox"/> CE 4330 Design of Engr Systems	@ Tech	3
<input type="checkbox"/> Elective (Humanities)	SPCH Core	3	<input type="checkbox"/> Basic Science Elective	*	
<input type="checkbox"/> Elective (Design)	@ Tech	3			
<input type="checkbox"/> CE 4361 Transport Engineering	@ Tech	3	<input type="checkbox"/> ENGR 4392 Engr Ethics & Professionalism	@ Tech	3
<input type="checkbox"/> Oral Communication (Core Curriculum)	SPCH Core	3	<input type="checkbox"/> Elective (Design)	@ Tech	3
<input type="checkbox"/> CE 4200 Prof. Engr Practice Issues	@ Tech	2	<input type="checkbox"/> CE 4101 FE Exam Review	@ Tech	2
				<b>TOTAL</b>	<b>13</b>
	<b>TOTAL</b>	<b>17</b>			

### Substitution Options:

- \* EE 3301 Circuits Analysis ENGR 2305
- \* Basic Science Elective: GEOG 3300; GEOL 1303 (1403), 3428; ATMO 1300; PSS 2330; BIOL 1305, 1401 (1411), 1402 (1413), 1403 (1406)
- \*\* Humanities/Multicultural electives (Departmental approval from TTU required)

### TTU Advisor Contact:

Glenna Andrews  
806.742.3523 phone  
glenna.andrews@ttu.edu  
<http://www.depts.ttu.edu/coe/>

### SPC Advisor Contact:

Courses of "D" are unlikely to transfer to this major. Students are required to maintain a GPA of 2.75 or higher to take upper division business coursework.

Transfer Check Sheets are intended as an advising tool and starting point for transfer research. Other options such as substitutions or specializations are not listed. We highly recommend working with an advisor (contact information listed above) and using the research resources available to you to fill the gaps and double check the information provided. Degree requirements are subject to change at any time.

### Notes: