

# Texas Tech University

Whitacre College of Engineering

Last Modified:

Bachelor of Science in Construction Engineering - General Contractor Emphasis

June 2011

## First Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> ENGL 1301 Composition I	ENGL 1301	3	<input type="checkbox"/> ENGL 1302 Composition II	ENGL 1302	3
<input type="checkbox"/> MATH 1351 Calculus I	MATH 2413	4	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	4
<input type="checkbox"/> CHEM 1307/1107 Prin. of Chemistry I & Lab	CHEM 1411	4	<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4
<input type="checkbox"/> POLS 1301 American Govt., Organization	GOVT 2301	3	<input type="checkbox"/> EGR 1207 Engr. Graphics: Software B	@ Tech	2
<input type="checkbox"/> CONE 1100 Introduction to Construction	@ Tech	1	<input type="checkbox"/> CE 1305, Engineering Analysis	@ Tech	3
	<b>TOTAL</b>	<b>14</b>		<b>TOTAL</b>	<b>15</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 Higher Math for Engr.	MATH 2320	3
<input type="checkbox"/> GEOL 1303/1101 Physical Geol & Lab	GEOL 1403	4	<input type="checkbox"/> CE 3303	@ Tech	3
<input type="checkbox"/> CE 2301 Statics or ME 2301 Statics	ENGR 2301	3	<input type="checkbox"/> CONE 2300 Constr. Materials & Blueprint	@ Tech	3
<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3	<input type="checkbox"/> CONE 2302 Surveying	@ Tech	3
<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3	<input type="checkbox"/> CE 2101 Construction Materials Lab	@ Tech	1
	<b>TOTAL</b>	<b>16</b>	<input type="checkbox"/> HIST 2301 American History from 1876	HIST 1302	3
				<b>TOTAL</b>	<b>16</b>

## Third Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> Gen. Ed. - Oral Communications	SPCH 1315 or 1321	3	<input type="checkbox"/> CONE 3302 MEP Sys. & Design	@ Tech	3
<input type="checkbox"/> IE 3301 Engineering Economic Analysis	@ Tech	3	<input type="checkbox"/> MATH 3342	MATH 2342	3
<input type="checkbox"/> CONE 3310 Constr. Struct. Analy. & Des.	@ Tech	3	<input type="checkbox"/> CONE 3300 Construction Equipment	@ Tech	3
<input type="checkbox"/> CONE 3312 Constr. Found. & Earthwork	@ Tech	3	<input type="checkbox"/> CONE 4300 Construction Safety	@ Tech	3
<input type="checkbox"/> CONE 4320 Constr. Cost Estimating	@ Tech	3	<input type="checkbox"/> CONE 4322 Construction Management	@ Tech	3
<input type="checkbox"/> CE 3121 Geotechnical Engineering Lab	@ Tech	1		<b>TOTAL</b>	<b>15</b>
	<b>TOTAL</b>	<b>16</b>			

## Fourth Year

Fall			Spring		
	SPC Course	Hrs		SPC Course	Hrs
<input type="checkbox"/> CONE 4220 Construction Capstone	@ Tech	2	<input type="checkbox"/> CONE 4100 Construction Internship	@ Tech	1
<input type="checkbox"/> CONE 4310 Construction Steel Structures	@ Tech	3	<input type="checkbox"/> CONE 4312 Constr. Concrete Structures	@ Tech	3
<input type="checkbox"/> Math/Science Elective	@ Tech	3	<input type="checkbox"/> CONE 4324 Constr. Contracts & Specif.	@ Tech	3
<input type="checkbox"/> ECE 3301 General Electrical Engineering	@ Tech	3	<input type="checkbox"/> IE 3372 Management Systems Control	@ Tech	3
<input type="checkbox"/> Gen. Ed. - Humanities	**	3	<input type="checkbox"/> Gen. Ed. - Visual & Performing Arts	*	3
	<b>TOTAL</b>	<b>15</b>	<input type="checkbox"/> CE 3305 Mechanics of Fluids	@ Tech	3
				<b>TOTAL</b>	<b>15</b>

### Substitution Options:

- \* Visual/Performing Arts electives
- \*\* Humanities/Multicultural electives

### TTU Advisor Contact:

Shannon Younger  
806.742.3451 phone  
shannon.younger@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: