

# Texas Tech University

Whitacre College of Engineering

Bachelor of Science in Chemical Engineering

Last Update:

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	3	<input type="checkbox"/> MATH 1352 Calculus II	MATH 2414	4
<input type="checkbox"/> CHEM 1307 Principles of Chem I	CHEM 1411	4	<input type="checkbox"/> CHEM 1308 Principles of Chem II	CHEM 1412	4
<input type="checkbox"/> CHEM 1107	"		<input type="checkbox"/> CHEM 1108	"	
<input type="checkbox"/> CHE 1121 Chemical Engineering Seminar	@ Tech	1	<input type="checkbox"/> PHYS 1408 Physics I	PHYS 2425	4
<b>TOTAL 11</b>			<b>TOTAL 17</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"/> CHEM 3305 Organic Chem I	CHEM 2523	4	<input type="checkbox"/> CHE 2306 Exposition of Tech Info	@ Tech	3
<input type="checkbox"/> CHEM 3105	"		<input type="checkbox"/> CHE 2421 Thermo I	@ Tech	4
<input type="checkbox"/> CHE 2410 Intro to Chem Processes	@ Tech	4	<input type="checkbox"/> CHE 3330 Materials	@ Tech	3
<input type="checkbox"/> PHYS 2401 Physics II	PHYS 2426	4	<b>TOTAL 13</b>		
<b>TOTAL 15</b>					

## Third Year

Fall			Spring		
SPC Course	Hrs		SPC Course	Hrs	
<input type="checkbox"/> CHE 3315 Fluid Mechanics	@ Tech	3	<input type="checkbox"/> CHEM 3308 Physical Chem II	@ Tech	3
<input type="checkbox"/> CHE 3326 Heat Transfer	@ Tech	3	<input type="checkbox"/> CHEM 3108 Physical Chem II Lab	@ Tech	1
<input type="checkbox"/> CHE 3322 Chem Engr Thermo II	@ Tech	3	<input type="checkbox"/> Chemical Engineering Elective	@ Tech	3
<b>TOTAL 9</b>			<input type="checkbox"/> CHE 3341 Mass Transfer Operations	@ Tech	3
			<input type="checkbox"/> CHE 4323 Chem Reaction Engr	@ Tech	3
			<b>TOTAL 15</b>		

## Fourth Year

Fall			Spring		
SPC Course	Hrs		SPC Course	Hrs	
<input type="checkbox"/> CHE 4232 Unit Ops Lab	@ Tech	2	<input type="checkbox"/> CHE 4153 Process Control Lab	@ Tech	1
<input type="checkbox"/> CHE 3353 Process Control	@ Tech	3	<input type="checkbox"/> CHE 4555 Chem Proc Design Simul	@ Tech	5
<input type="checkbox"/> Chem Engr Elective	@ Tech	3	<input type="checkbox"/> Chem Engr Elective	@ Tech	3
<input type="checkbox"/> IE 3301 Engineering Economics	@ Tech	3	<b>TOTAL 9</b>		
<b>TOTAL 11</b>					

## Additional Requirements:

<input type="checkbox"/> HIST 2300 American History to 1876	HIST 1301	3	<input type="checkbox"/> Humanities	see advisor	3
<input type="checkbox"/> HIST 2301 American History after 1876	HIST 1302	3	<input type="checkbox"/> Chemistry Electives	@ Tech	8
<input type="checkbox"/> POLS 1301 American Govt., Organization	GOVT 2301	3			
<input type="checkbox"/> POLS 2302 American Govt., Functions	GOVT 2302	3			
<input type="checkbox"/> Visual and Performing Arts**	ARTS 1303	3			

### Substitution Options:

\* Visual/Performing Arts electives

\*\* Humanities/Multicultural electives

### TTU Advisor Contact:

Kristina Thompson  
806.742.3553 phone  
kristina.thompson@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: