

**ARTICULATION AGREEMENT: ___ Colleges and Texas Tech University
2+2 Program Leading to Bachelor of Science in Mechanical Engineering**

FIRST YEAR

		<i>Fall</i>				<i>Spring</i>	
TTU	HCC			TTU	HCC		
PETR 1101	ENGR 1201	Intro to Engineering	2			VPA/Multicultural Elective	3
MATH 1351	MATH 2413	Calculus I	4	MATH 1352	MATH 2414	Calculus II	4
CHEM 1307	CHEM 1311	Principles of Chemistry I	3	PHYS 1408	PHYS 2425	Physics I	4
CHEM 1107	CHEM 1111	Chemistry I Laboratory	1	ENGL 1302	ENGL 1302	Grammar & Composition II	3
ENGL 1301	ENGL 1301	Grammar & Composition I	3	HIST 2301	HIST 1302	American History from 1877	3
HIST 2300	HIST 1301	American History to 1877	3				
			<u>16</u>				<u>17</u>

SECOND YEAR

		<i>Fall</i>				<i>Spring</i>	
TTU	HCC			TTU	HCC		
PETR 1305	COSC XXXX	Engineering Analysis	3	ME 2302	ENGR 2302	Dynamics	3
ME 2301	ENGR 2301	Statics	3	MATH 3350	MATH 2320	Differential Equations	3
MATH 1352	MATH 2415	Calculus III	4	GEOL 1403	GEOL 1303	Physical Geology	4
PHYS 2401	PHYS 2426	Physics II	4	POLS 2302	GOVT 2302	Am. Gov. Policies	3
POLS 2301	GOVT 1301	Natl & State Govt	3	COMS 1300	COMS 1311	Speech Communications	3
			<u>17</u>				<u>16</u>

TRANSFER SUMMER

		<i>Summer I</i>				<i>Summer II</i>	
TTU	HCC			TTU	HCC		
GEOL 3302		Structural Geology	3	ME 3370		Fluid Mechanics	3

THIRD YEAR

		<i>Fall</i>				<i>Spring</i>	
TTU	HCC			TTU	HCC		
PETR 2301		Petr Development Mthds	3	ME 3370		Fluid Mechanics	3
PETR 3402		Reservoir Rock Properties	4	GEOL 4324		Hydrocarbons	3
PETR 2302		Reservoir Fluid Properties	3	PETR 3304		Formation Evaluation	3
ME 3464	ENGR 2332	Mechanics of Solids	4	PETR 3306		Reservoir Engineering	3
ME 2322		Thermodynamics I	3	PETR 3308		Engr Communications	3
			<u>17</u>	MATH 3342		Engr Statistics	<u>3</u>
							<u>18</u>

FOURTH YEAR

		<i>Fall</i>				<i>Spring</i>	
TTU	HCC			TTU	HCC		
PETR 4303		Petr Production Methods	3	PETR 4300		Property Eval & Mngmt	3
PETR 4306		Enhanced Oil Recov Proc	3	PETR 4308		Adv. Reservoir Engr	3
PETR 4407		Drilling Engr	4	PETR 4309		Well Compl, Prod, Fac & Stim	3
PETR 4405		Natural Gas Engr	4	PETR 43XX		Petr Engr Elective	3
IE 3301		Engineering Economics	3	ENGR 4392		Engineering Ethics	3
PETR 4121		PE Seminar	1				
			<u>18</u>				<u>15</u>

total 134

Substitution Options:

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