

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

FIRST YEAR

		<i>Fall</i>			<i>Spring</i>		
TTU	MC			TTU	MC		
ENGR 1315	ENGR 1201	Intro to Engineering	2			Humanities/Multicultural	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	MC			TTU	MC		
ME 2315	ENGR 2304	Computer Aided Analysis	3	ME 3302	ENGR 2302	Dynamics	3
ME 2301	ENGR 2301	Statics	3	EE 3301	ENGR 2305	Circuits Analysis	3
MATH 1352	MATH 2415	Calculus III	4	MATH 3350	MATH 2320	Differential Equations	3
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>15</u>

THIRD YEAR

		<i>Fall</i>			<i>Spring</i>		
TTU	MC			TTU	MC		
ME 2311		Materials Science	3	ME 4370		Intro to Design	3
ME 3464	ENGR 2332	Mechanics of Solids	4	ME 3228		Materials & Mechanics Lab	2
ME 3164		FEA Lab	1	ME 3333		Systems & Vibrations	3
ME 2322		Thermodynamics I	3	ME 3322		Thermodynamics II	3
MATH 2360	MATH 2318	Linear Algebra	3	ME 3370		Fluid Mechanics	3
		Visual & Performing Arts	3	ME 3165		CFD Lab	1
			<u>17</u>	E GR 1206	ENGR 1304	Engineering Graphics	<u>2</u>
							<u>17</u>

FOURTH YEAR

		<i>Fall</i>			<i>Spring</i>		
TTU	MC			TTU	MC		
ME 4370		Design I	3	ME 4371		Design II	3
ME 4334		Control of Dynamic Systems	3	ME 3251		Thermal-Fluids Lab	2
ME 4234		Controls Lab	2	MATH 3342		Math Statistics for Engineers	3
ME 3371		Heat Transfer	3			Department Elective	3
IE 3301		Engineering Economics	3			Department Elective	3
		Department Elective	3				
			<u>17</u>				<u>14</u>

total 130