



University of Texas Permian Basin and Midland College  
Course Articulation  
Pre-Engineering Curriculum



Midland College	MC Course Title	UT Permian Basin	Degree Applicability (Substitution/Exception)	Mechanical	Petroleum
<b>CORE</b>					
LANG, PHIL, CULTURE	Language, Philosophy, Culture Creative	LANG, PHIL, CULTURE		✓	✓
ARTS	Arts	ARTS		✓	✓ †
PSYC	Social Behavioral Science	PSYC		✓	✓ †
SPCH 1321	Business/Prof Speech	COMM 1315		✓	✓
ENGL 1301	Composition I	ENGL 1301		✓	✓
ENGL 1302	Composition II	ENGL 1302		✓	✓ †
HIST 1301	US History to 1877	HIST 1301		✓	✓ †
HIST 1302	US History since 1877	HIST 1302		✓	✓ †
GOVT 2305	US Government	PLSC 2305		✓	✓ †
GOVT 2306	Texas Government	PLSC 2306		✓	✓
<b>MATH</b>					
MATH 2413	Calculus I	MATH 1451		✓	✓
MATH 2414	Calculus II	MATH 1452		✓	✓
MATH 2415	Calculus III	MATH 2450		✓	✓
MATH 2420	Differential Equations	MATH 3320		✓	✓
<b>SCIENCE</b>					
CHEM 1411	General Chemistry I	CHEM 1311/1111		✓	✓
GEOL 1403	Physical Geology	GEOL 1301/1101			✓
PHYS 2425	Physics I	PHYS 2325/2125		✓	✓
PHYS 2426	Physics II	PHYS 2326/2126		✓	✓
<b>ENGINEERING</b>					
ENGR 1304	Engineering Graphics	ENGR 1204		✓	
ENGR 2301	Statics	ENGR 2301	ENGR 2403	✓	✓ *
ENGR 2302	Dynamics	ENGR 2302		✓	
ENGR 2305	Circuit Analysis	ENGR 2305		✓	
ENGR 2332	Mechanics of Materials	ENGR 3332		✓	✓
<b>Semester Hours Transferred</b>				<b>71</b>	<b>65</b>

\*Both Statics and Dynamics must be completed to receive transfer credit for ENGR 2403 in Petroleum Engineering; † It is recommended that students substitute three of the marked classes with PENG 2301 (1st semester of sophomore year), PENG 3302 (2nd semester sophomore year), and PENG 3307 (2nd semester sophomore year) at UTPB to be on schedule to graduate in four years.