



**South Texas Tech Prep/Laredo Community College Five-Year Plan 2006-2008  
(Recommended High School Program)**



Consortium: South Texas

Program: Diesel Engine Mechanics & Repair/Heavy Undercarriage Specialization One-Year Certificate/470605

ISD: See Matrix

College: LCC

HIGH SCHOOL					COLLEGE	
Subject	Freshman	Sophomore	Junior	Senior	Freshman	
<b>English (4)</b>	English I	English II	English III	<i>English IV (D)</i>	<b>First Semester</b>	<b>Second Semester</b>
<b>Math (3)</b>	Algebra I	Geometry	Algebra II	<i>Pre-Calculus (D)</i>	DEMR 1229 Preventative Maintenance	DEMR 1330 Steering & Suspension I
<b>Science (3)</b>	Integrated Physics & Chemistry	Chemistry	Physics	<i>Biology (D)</i>	<b>DEMR 1301 Shop Safety &amp; Procedures (TP)</b>	DEMR 1421 Power Train I
<b>Social Studies (3.5)</b>	World Geography	World History	<i>U.S. History (D)</i>	<i>Government (D)</i>	DEMR 1317 Basic Brake Systems	DEMR 1416 Basic Hydraulics
<b>Economics (0.5)</b>				<i>Economics (D)</i>	DEMR 1323 Heating, Ventilation, & Air Conditioning (HVAC)	DEMR 2346 Advanced Heating, Ventilation and Air Conditioning (HVAC)
<b>Languages (2)</b>	Foreign Language I	Foreign Language II			<b>Third Semester</b>	
<b>Health (0.5)</b>		Health			DEMR 1447 Power Train II	
<b>Fine Arts (1)</b>				<i>Psychology (D)</i>	DEMR 1405 Basic Electrical Systems	
<b>Physical Education (1.5)</b>	Physical Education	Physical Education	Physical Education		DEMR 2331 Advanced Brake Systems	
<b>Speech (0.5)</b>				<i>Speech (D)</i>	DEMR 2348 Failure Analysis (Capstone)	
<b>Technology Applications (1)</b>	Keyboarding 12011500	BCIS 12011200				
<b>Electives (3.5)</b>			<i>Auto Technician I 12579102 (DEMR 1301) (TP)</i>			<i>(D) Dual Enrollment (TP) Tech Prep The Career clusters icons above are used with permission of the State's Career Clusters Initiative, 2007</i>

**High School Graduation Plan:** It is recommended that the student complete 3 ½ credits in a coherent sequence; this includes Tech Prep articulated courses. \*The credit for Technology Applications may be satisfied by BCIS II, other, or I approved computer applications courses.