



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



Consortium: South Texas

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

ISD: See Matrix
College: LCC

HIGH SCHOOL					COLLEGE	
Subject	Freshman	Sophomore	Junior	Senior	Freshman	
English (4)	English I	English II	English III	<i>English IV (D)</i>	First Semester	Second Semester
Math (3)	Algebra I	Geometry	Algebra II	<i>Pre-Calculus (D)</i>	DEMR 1229 Preventative Maintenance	DEMR 1327 Tractor Trailer Service and Repair
Science (3)	Integrated Physics & Chemistry	Chemistry	Physics	<i>Biology (D)</i>	DEMR 1301 Shop Safety & Procedures (TP)	DEMR 1330 Steering and Suspension I
Social Studies (3.5)	World Geography	World History	<i>U.S. History (D)</i>	<i>Government (D)</i>	DEMR 1317 Basic Brake Systems	DEMR 1405 Basic Electrical Systems
Economics (0.5)				<i>Economics (D)</i>	DEMR 1323 Heating, Ventilation, & Air Conditioning (HVAC)	DEMR 1410 Diesel Engine Testing and Repair I
Languages (2)	Foreign Language I	Foreign Language II			Third Semester	
Health (0.5)		Health			DEMR 2412 Diesel Engine Testing and Repair II	
Fine Arts (1)				<i>Psychology (D)</i>	DEMR 2432 Electronic Controls	
Physical Education (1.5)	Physical Education	Physical Education	Physical Education		DEMR 2334 Advanced Diesel Tune-up & Troubleshooting (Capstone)	
Speech (0.5)				<i>Speech (D)</i>		
Technology Applications (1)	Keyboarding 12011500	BCIS 12011200				
Electives (3.5)			<i>Auto Technician I 12579102 (DEMR 1301) (TP)</i>			<i>(D) Dual Enrollment (TP) Tech Prep</i> <i>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.