



South Tech Prep/Laredo Community College Six-Year Plan 2006-2008

(Recommended High School Program)



Consortium: South Texas

Program: Diesel Engine Mechanics & Repair Heavy Truck Specialization A.A.S./ 470605

ISD: (See Matrix)

College: LCC

HIGH SCHOOL					COLLEGE			
Subject	Freshman	Sophomore	Junior	Senior	Freshman Year		Second Year	
					First Semester	Second Semester	First Semester	Second Semester
English (4)	English I	English II	English III	<i>English IV (D)</i>	<i>DEM R 1301 Shop Safety & Procedures (TP)</i>	DEM R 1229 Preventative Maintenance	DEM R 1416 Basic Hydraulics	DEM R 2334 Advanced Diesel Engine Tune-up & Troubleshooting (Capstone)
Math (3)	Algebra I	Geometry	Algebra II	<i>Pre-Calculus (D)</i>	DEM R 1410 Basic Diesel Eng. Testing & Repair I	DEM R 2412 Diesel Engine Testing and Repair II	DEM R 1421 Power Train I	DEM R 2331 Advanced Brake Systems
Science (3)	Integrated Physics & Chemistry	Chemistry	Physics	<i>Biology (D)</i>	DEM R 1405 Basic Electrical Systems	DEM R 1323 Heating, Vent. & Air Conditioning (HVAC) Troubleshooting & Repair	DEM R 1317 Basic Brake Systems	DEM R 2346 Advanced Heating, Ventilation & Air Conditioning Troubleshooting & Repair
Social Studies (3.5)	World Geography	World History	<i>U.S. History (D)</i>	<i>Government (D)</i>	<i>ENGL 1301 Composition I (D)</i>	Humanities/Fine Arts	<i>General Education Math or Science (D)</i>	DEM R 2432 Electronic Controls
Economics (0.5)				<i>Economics (D)</i>		<i>General Education Social & Behavioral Science (D)</i>		Third Year
Languages (2)	Foreign Language I	Foreign Language II						DEM R 2348 Failure Analysis (Capstone)
Health (0.5)		Health						DEM R 1327 Tractor Trailer Service & Repair
Fine Arts (1)				<i>Psychology (D)</i>				DEM R 1330 Steering & Suspension I
Physical Education (1.5)	Physical Education	Physical Education	Physical Education					DEM R 1447 Power Train II
Speech (0.5)				<i>Speech (D)</i>				COS C 1300 Introduction to Computing
Technology Applications (1)*								
Electives (3.5)	Keyboarding 12011500	BCIS I* 12011200	<i>Auto Tech I 12579102 (DEM R 1 301) (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 I, II, or approved computer applications courses. ** DEM R 2348-Failure Analysis is the CAPSTONE course for the A.A.S. in Heavy Truck Specialization