



Tech Prep Six-Year Plan
Career Cluster – Manufacturing



Consortium: East Texas
Program: Industrial Maintenance Mechanic (CIP: 15.0612)

ISD: Mt. Enterprise
College: Texas State Technical College Marshall

High School					College			
Subject	Freshman	Sophomore	Junior	Senior	Freshman		Sophomore	
English	English I	English II	English III	English IV	INMT 1305 Introduction to Industrial Maintenance	DFTG 1325 Blueprint Reading & Sketching	PSYC 2301 General Psychology	*POFI 1301 Computer Applications I
Math	Algebra I	Geometry	Algebra II	4 th Math	ELPT 1311 Basic Electrical Theory	ENGL 1301 Composition I	ELPT 1345 Commercial Wiring	HYDR 1345 Hydraulic and Pneumatics
Science	Biology	Chemistry	Physics	4 th Science	MATH 1314 College Algebra	MCHN 1338 Basic Machine Shop I	ELPT 1341 Motor Control	INMT 2301 Machinery Installation
Humanities	World Geography	World History	U.S. History	Government/ Economics	*WLDG 1307 Intro Welding Using Multiple Processes	ELPT 1320 Fundamentals of Electricity II	HUMA 1301 Introduction to Humanities	INMT 2345 Industrial Troubleshooting
Physical Education/Health	Physical Education	Physical Education & Health				HYDR 1305 Basic Hydraulics	INMT 2303 Pumps, Comp. & Mech. Drives	ELPT 2319 Programmable Logic Controllers I
Other	Foreign Language I	Foreign Language II	Speech					
Fine Arts			Elective					
Technology Applications	*Business Computer Information Systems I (POFI 1301)							
Tech Prep Courses	Introduction To World Agricultural Science And Technology 11911101 (1/2) And Applied Agricultural Science And Technology 11911102 (1/2)	Introduction To Agricultural Mechanics 11921221 (1/2) And Home Maintenance And Improvement 11921222 (1/2)	Animal Science 11923332 (1/2) And Advanced Animal Science 11923336 (1/2)	*Agriculture Structures Technology 11922321 (1/2) And Agriculture Metal Fabrication 11922322 (1/2) (WLDG 1307)				

*Denotes courses for articulated college credit with TSTC Marshall.

Courses are not repeated in college.