

ATTACHMENT #2: 2021-2023 P-TECH PLANNING AND IMPLEMENTATION GRANT
Crosswalk Template

Program of Study	IHE Partner	Program Previously Offered in District? (Y/N)	Expected Program Student Outcomes
Applied Agricultural Engineering	Southwest Texas Junior College	N	Welding Technology Level I Basic Certificate
			NCCER CORE Certificate
			NCCER Welding Certificate
			OSHA 30 General
			AWS Sense

Year / Grade Level	High School Course			Post-Secondary Course		
	PEIMS Course/Code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours
Year 0 / Grade 8						
Year 0 / Grade 8						
Total Year 0 High School Credits				Total Year 0 College Credit Hours		
Year 1 / Grade 9 - Fall Semester	13000200	Principles of Agriculture, Food & Natural Resources	0.5			
Year 1 / Grade 9 - Spring Semester	13000200	Principles of Agriculture, Food & Natural Resources	0.5			
Total Year 1 High School Credits			1	Total Year 1 College Credit Hours		
Year 2/Grade 10 - Fall Semester	13002210	Agricultural Mechanics and Metal Technologies	0.5	WLDG 1323	Welding Safety, Tools, and Equipment	3
Year 2/Grade 10 - Spring Semester	13002210	Agricultural Mechanics and Metal Technologies	0.5	WLDG 1421	Welding Fundamentals	4
Total Year 2 High School Credits			1	Total Year 2 College Credit Hours		
Year 3/Grade 11 - Fall Semester	13002210	Agricultural Structures Design and Fabrications	0.5	WLDG 1428	Introduction to Shielded Metal Arc Welding (SMAW)	4
Year 3/Grade 11 - Fall/Spring Semester	13002210	Agricultural Structures Design and Fabrications	0.5	WLDG 1430	Introduction to Gas Metal Arc Welding	4
Year 3/Grade 11 - Spring Semester	13002310	Agricultural Structures Design and Fabrications	0.5	WLDG 1313	Intro to Blueprint Reading for Welders	3
Total Year 3 High School Credits			1	Total Year 3 College Credit Hours		
Year 4/Grade 12 - Fall Semester	13002360	Agricultural Equipment Design and Fabrication Lab	0.5	WLDG 1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
Year 4/Grade 12 - Fall Semester	13002360	Agricultural Equipment Design and Fabrication Lab	0.5	WLDG 1317	Introduction to Layout and Fabrication	3
Year 4/Grade 12 - Spring Semester	13002360	Agricultural Equipment Design and Fabrication Lab	0.5	WLDG 1435	Introduction to Pipe Welding	4
Year 4/Grade 12 - Spring Semester	13002360	Agricultural Equipment Design and Fabrication Lab	0.5	WLDG 1353	Intermediate Layout and Fabrication	3
Total Year 4 High School Credits			2	Total Year 4 College Credit Hours		
Optional Year 5						
Optional Year 5						
Optional Year 6						
Optional Year 6						
Total Years 5 & 6 High School Credits				Total Years 5 & 6 College Credit Hours		
Total High School Credits			5	Total College Credit Hours		

Certification (s) to be earned by high school graduation:	NCCER Core & Welding Certificates; Welding Technology Level I Certificate, AWS Sense, OSHA 30 General
Degree (s) to be earned by high school graduation:	

CDN: _____