

ATTACHMENT #1: 2020-2022 P-TECH AND ICIA PLANNING AND IMPLEMENTATION GRANT

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Program of Study	IHE Partner	Program Previously Offered in District? (Y/N)	Expected Program Student Outcome
Advanced Manufacturing and Machinery Mechanics	TSTC	N	Associate of Applied Science + Industrial Systems Mechanic

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
Total Year 0 High School Credits				Total Year 0 College Credit Hours	
Year 1 / Grade 9	03220100	English I A&B	1		
Year 1 / Grade 9	03010200	Biology A&B	1		
Year 1 / Grade 9	03100500	Algebra I A&B	1		
Year 1 / Grade 9	03340400	World History	1		
Year 1 / Grade 9	03440100	Spanish I A&B	1		
Year 1 / Grade 9	PES00052	PE	1		
Year 1 / Grade 9	N1290001	AVID I A&B	1		
Year 1 / Grade 9		Fine Art	1		
Total Year 1 High School Credits			8	Total Year 1 College Credit Hours	
Year 2/ Grade 10	03220200	English 2A&B	1		
Year 2/ Grade 10	03100700	Geometry	1		
Year 2/ Grade 10	03040000	Chemistry	1		
Year 2/ Grade 10	03330100	US Government	0.5		
Year 2/ Grade 10	3310300	Economics	0.5		
Year 2/ Grade 10	03440200	Spanish II A & B	1		
Year 2/ Grade 10	N1290002	AVID II	1		
Year 2/ Grade 10	13032700	Metal Fabrication and Machining 1	2	MCHN 1302	Print Reading for Machine Trades
Year 2/ Grade 10	13032800	Metal Fabrication and Machining 2	2	MCHN 1300	Beginning Machine Shop
Year 2/ Grade 10	13032500	Precision Metal Manufacturing 1	1	MCHN 1320	Precision Tools and Measurement
Year 2/ Grade 10	13032600	Precision Metal Manufacturing 2	2	MCHN 1343	Machine Shop Mathematics
Total Year 2 High School Credits			16	Total Year 2 College Credit Hours	
Year 3/Grade 11	03220300	English III A	1		
Year 3/Grade 11	03100600	Algebra II	1		
Year 3/Grade 11	03050000	Physics	1		
Year 3/Grade 11	03340100	U S History	1		
Year 3/Grade 11	N1290030	AVID III	1		
Year 3/Grade 11	13033005	Practicum in Manufacturing	3	MCHN 1371	Engineering Computer Graphics
Year 3/Grade 11	13033010	Practicum in Manufacturing	2	MCHN 1438	Basic Machine Shop 1
Year 3/Grade 11	13033015	Practicum in Manufacturing	3	MCHN 2344	Computerized Numerical Control Programs
Year 3/Grade 11	13033000	Practicum in Manufacturing	2	MCHN 2303	Fundamental of Computer Numerical Controlled (CNC) Machine Controls
Total Year 3 High School Credits			24	Total Year 3 College Credit Hours	
Year 4/Grade 12	03320400	English IV	1		
Year 4/Grade 12	13016900 or 03101100	Statistics in Business Making Decisions or PreCal	1		
Year 4/Grade 12	13020600 or 13029500	Anatomy and Physiology or Forensic Science	1		
Year 4/Grade 12				MCHN 1326	Introduction to Computer-Aided Manufacturing (CAM)
Year 4/Grade 12				MCHN 1454	Intermediate Machining 2
Year 4/Grade 12				MCHN 2335	Advanced CNC Machining
Year 4/Grade 12				MCHN 2471	Specialized Equipment and Processes
Total Year 4 High School Credits			32	Total Year 4 College Credit Hours	
Total High School Credits				Total College Credit Hours	

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CDN: 161906

Certification (s) to be earned by high school graduation:	Precision Machining Technology Certificate 1
Degree (s) to be earned by high school graduation:	