

**Crosswalk Template - Program of Study Template
For 2018–2019 P-TECH and ICIA Success Grant Applicants**

A program of study is a sequence of courses that incorporate a nonduplicative progression of secondary and postsecondary elements that include both academic and career and technical content. Programs of study include opportunities to earn college credit (dual credit) in high school, an industry-recognized credential or certificate at the secondary/postsecondary level and an associates or baccalaureate degree.

Part 1 - Please list below the **programs of study** that you are currently (or will be) offering as well as the **expected student outcome** of the program (work credentials, including certifications and licenses, or education credentials, which include educational certificates, diplomas, and degrees that students are expected to earn by graduation.)

Program of Study	Institute of Higher Education Partner	Offering this program of study in 2017/2018 School Year? (Y/N)	If not offering this program of study in 2017/2018 School Year, list the expected year of offering.	Expected Program Student Outcome (work credentials, including certifications and licenses, or education credentials, which include educational certificates, diplomas, and degrees that students are expected to earn by graduation)
<i>Example – Welding Certification</i>	<i>Laredo Community College</i>	<i>Yes</i>	<i>N/A</i>	<i>Welding Certificate and eligibility to continue working toward an associate degree in applied science</i>
<i>HVAC Technician Helper 1 Certificate</i>	<i>Laredo Community College</i>	<i>Yes</i>	<i>N/A</i>	<i>HVAC Technician Helper I Certificate and eligibility to continue working toward an associate degree in applied science</i>
<i>Electrician Helper 1 Certificate</i>	<i>Laredo Community College</i>	<i>Yes</i>	<i>N/A</i>	<i>Electrician Helper I Certificate and eligibility to continue working toward an associate degree in applied science</i>
<i>Computer Aided Drafting & Design Certificate</i>	<i>Laredo Community College</i>	<i>Yes</i>	<i>N/A</i>	<i>Computer Aided Drafting & Design Certificate and eligibility to continue working toward an associate degree in applied science</i>

Part 2 – Detailed Outline of a minimum of one program of study

In the table below, provide detail about one of the programs of study that you are offering in the 2017–2018 school year and that you have listed in Part 1. List all the courses that are being provided as part of

* Additional rows may be added/deleted as needed.

the program of study or both academic and CTE. Include industry certifications/licensures and degrees students are expected to earn by high school graduation. Reminder:

In fall 2017, new TEA CTE course names, number and credits were implemented. Information regarding the new course names, numbers, and credits may be found at

<http://castro.tea.state.tx.us/tsds/teds/2018P/teds-ds4.pdf>.

A crosswalk for CTE courses prior to fall 2017 to the fall 2017 courses is available at

http://tea.texas.gov/Curriculum_and_Instructional_Programs/Learning_Support_and_Programs/Career_and_Technical_Education/CTE_Crosswalks/

High School Name: Dr. Leonides G. Cigarroa HS (Sabas Perez School for Engineering)						
Institution of Higher Education Partner Name: Laredo Community College						
Program of Study Name: Welding Certificate and/or Associate in Applied Science						
Year/ Grade Level	PEIMS Course/code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Hours
Year 0/ Grade 8						
Year 0/ Grade 8						
Year 0/ Grade 8						
Total Year 0/ Grade 8						
Year 1/ Grade 9	13032200	Principles of Manufacturing	1	WLDG 1425	Intro to Oxy-Fuel Welding & Cutting	3
Year 1/ Grade 9	13005600	Electrical Technology I	1	ELPT 1321	Intro to Electrical Safety & Tools	3
Year 1/ Grade 9	13036500	Engineering Design & Presentation I	1	DFTG 1309	Basic Computer Aided Drafting	3

* Additional rows may be added/deleted as needed.

High School Name: Dr. Leonides G. Cigarroa HS (Sabas Perez School for Engineering)						
Institution of Higher Education Partner Name: Laredo Community College						
Program of Study Name: Welding Certificate and/or Associate in Applied Science						
Year/ Grade Level	PEIMS Course/code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Hours
Year 1/ Grade 9	13005800	HVAC – Electrical Technology I	1	HART 1407	Refrigeration Principles	3
Total Year 0/ Grade 9			4			12
Year 2/ Grade 10	13032500	Precision Metal Manufacturing I	1	WLDG 1428	Intro to SMAW	3
Year 2/ Grade 10	13005600	Electrical Technology I	1	ELPT 1321	Intro to Electrical Safety & Tools	3
Year 2/ Grade 10	13036500	Engineering Design & Presentation I	1	DFTG 1309	Basic Computer Aided Drafting	3
Year 2/ Grade 10	13005800	HVAC – Electrical Technology I	1	HART 1407	Refrigeration Principles	3
Year 2/ Grade 10	13005900	HVAC & Refrigeration Technology II	1	HART 1491	Special Topics in HVACR	3
Total Year 2/ Grade 10			5			15
Year 3/ Grade 11	13032600	Precision Metal Manufacturing II	1	WLDG 1407	Intro Welding using Multiple Processes	3
Year 3/ Grade 11	13032700	Metal Fabrication and Machining I	1	WLDG 1417	Intro to Layout and Fabrication	3

* Additional rows may be added/deleted as needed.

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Program of Study Name: Welding Certificate and/or Associate in Applied Science						
Year/ Grade Level	PEIMS Course/code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Hours
Year 3/ Grade 11	13005800	HVAC – Electrical Technology I	1	HART 1401	Basic Electricity for HVAC	3
Year 3/ Grade 11	13005900	HVAC & Refrigeration II	1	MAIR 1449	Refrigerators, Freezers, Window AC	3
Year 3/ Grade 11	13005700	Electrical Technology II	1	ELPT 1325	National Electrical Code	3
Year 3/ Grade 11	13005100	Construction Technology I	1	RBPT 2345	Onsite Power Generation & Renewable Energy	3
Year 3/ Grade 11	13005200	Construction Technology II	1	ELPT 1429	Residential Wiring	3
Year 3/ Grade 11	13036600	Engineering Design and Presentation II	1	DFTG 2330	Civil Drafting	3
Year 3/ Grade 11	13037200	Scientific Research and Design	1	DFTG 2340	Solid Molding	3
Total Year 3/ Grade 11			9			27
Year 4/ Grade 12	13032600	Precision Metal Manufacturing II	1	WLDG 1407	Intro Welding using Multiple Processes	3

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Program of Study Name: Welding Certificate and/or Associate in Applied Science						
Year/ Grade Level	PEIMS Course/code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Hours
Year 4/ Grade 12	13032700	Metal Fabrication and Machining I	1	WLDG 1417	Intro to Layout and Fabrication	3
Year 4/ Grade 12	13005800	HVAC – Electrical Technology I	1	HART 1401	Basic Electricity for HVAC	3
Year 4/ Grade 12	13005900	HVAC & Refrigeration II	1	MAIR 1449	Refrigerators, Freezers, Window AC	3
Year 4/ Grade 12	13036800	AC/DC Electronics	1	ELPT 1311	Basic Electrical Theory	3
Year 4/ Grade 12	13005100	Construction Technology I	1	RBPT 2345	Onsite Power Generation & Renewable Energy	3
Year 4/ Grade 12	13005200	Construction Technology II	1	ELPT 1429	Residential Wiring	3
Year 4/ Grade 12	13036600	Engineering Design and Presentation II	1	DFTG 2330	Civil Drafting	3
Year 4/ Grade 12	130037200	Scientific Research and Design	1	DFTG 2340	Solid Molding	3
Total Year 4/ Grade 12			9			27
OPTIONAL Year 5/Grade 13						

* Additional rows may be added/deleted as needed.

High School Name: Dr. Leonides G. Cigarroa HS (Sabas Perez School for Engineering)						
Institution of Higher Education Partner Name: Laredo Community College						
Program of Study Name: Welding Certificate and/or Associate in Applied Science						
Year/ Grade Level	PEIMS Course/code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Hours
OPTIONAL YEAR 6/Grade 14						
Total Year 5&6/ Grade 13&14						
Total			4			12
Certification (s) to be earned by high school graduation:			Welding Certification, HVAC Technician Helper I, Electrician Helper I, and Computer Aided Drafting & Design certificate			
Degree (s) to be earned by high school graduation:			12 hrs. toward associate in applied science			

* Additional rows may be added/deleted as needed.