



Program of Study: Welding Certificate

Postsecondary/Secondary Partner(s): _____

Career Pathways: Maintenance, Installation, and Repair

Education Levels	Grade	Communication	Mathematics	Other Required Academic Courses (i.e. Science, Social Science)	Career and Technical Program Courses	Supplementary Course Recommendations (i.e. world language, entrepreneurship, etc.)	Possibilities of careers relating to this Pathway
State Graduation Requirements: (URL to Page) www.cde.state.co.us/postsecondary/graduationguidelines							
MIDDLE	7						Welder, Fabricator, Finishing Technician, Fitter-Welder, Mig Welder, Braze Operator, Spot Welder, Maintenance Welder, Sub Arc Operator, Brazier, Solderer, Assembly Line Brazier, Production Technician, Electrical Assembler, Fitter, Welder-Fabricator, Layout Man, Ship Fitter, Weld Technician, Mill Beam Fitter, Structural Steel Fitter, Tack Welder
	8						
High /Secondary	9	English I	Algebra I,	Earth or Environmental Science		Computer Applications, Physical Education	
	10	English II	Geometry	Biology, US History, Foreign Language I		Psychology, Nutrition, Physical Education	
	11	English III	Algebra II	Chemistry, Foreign Language II		Speech/Communications, Physical Education	
	12	English IV	Trigonometry or other Math,	Botany or other lab based Science		Computer Applications	
13 th year (ASCENT, P-TECH or other):							
High school courses in the pathway offered locally for college credit should be coded Concurrent Enrollment with CCNS Prefix and Number <weblink>							
List related Industry Certifications/credentials approved and offered locally: American Welding Society (AWS)				Additional Learning Opportunities: CTSO organization(s): <input type="checkbox"/> DECA <input type="checkbox"/> FBLA <input type="checkbox"/> FCCLA <input type="checkbox"/> FFA <input type="checkbox"/> CCSA <input type="checkbox"/> HOSA <input checked="" type="checkbox"/> SkillsUSA <input type="checkbox"/> TSA <input type="checkbox"/> SC ²			
<this field> must have <this level> of training & learning:				Work-based Learning: <input checked="" type="checkbox"/> Career Research <input type="checkbox"/> Cooperative Education <input type="checkbox"/> Internship <input type="checkbox"/> Mentorship <input checked="" type="checkbox"/> Job Shadowing <input type="checkbox"/> Service Learning Project <input type="checkbox"/> Student Apprenticeship <input type="checkbox"/> Industry Certificate			
Postsecondary: CCPT Placement Assessment CLEP <weblink> Prior Learning Assessment (PLA) eligibility: <weblink> Acceleration Opportunities: AP: IB:				Other Graduation Requirements: <input type="checkbox"/> Capstone Project <input type="checkbox"/> Assessment (ACT, SAT, WorkKeys, ASVAB, Locally endorse, Other) <input type="checkbox"/> ICAP Quality Indicators <input type="checkbox"/> PWR Competencies			

POSTSECONDARY PROGRAMS																	
POSTSECONDARY	Industry Certificate	Certificate	Associates Degree	Bachelor's Degree	Advanced Degree												
	American Welding Society (AWS)	EPIC Welding EPIC Heavy Equipment EPIC Diesel Technology	EPIC Welding EPIC Heavy Equipment EPIC Diesel Technology	Industrial Engineering Mechanical Engineering Civil Engineering	Engineering Management Industrial and Systems Engineering Mechanical Engineering												
	Insert Program Requirements for Entry: http://www.trinidadstate.edu/admissions Gainful Employment Link: http://trinidadstate.edu/gedt/GedtWeldingTechnology-EPIC/Gedt.html																
POSTSECONDARY COMMUNITY COLLEGE	Semester	CTE Sequence of Courses		General Education (Sequence of Courses)													
	Year 1 1 st Semester	MAN-125 Team Building OSH-127 10 Hr. Construction Industry Standards WEL-102 Oxyacetylene Joining Processes WEL-113 Oxyfuel and Plasma Cutting	WEL-121 Structural Welding I WEL-125 Introduction to Gas Metal Arc welding WEL-203 Flux Cored Arc Welding I														
	Year 1 2 nd Semester	WEL-124 Introduction to Gas Tungsten Arc Welding WEL 230 Pipe Welding I WEL-122 Structural Welding II	WEL-224 Advanced Gas Tungsten Arc Welding WEL-231 Pipe Welding II BUS-121 Basic Workplace Skills														
	Year 2 1 st Semester																
	Year 2 2 nd Semester																
Advanced Degree(s)	University/College: Degree or Major: Number of Articulated CC Credits: <insert link to Articulation Agreements> Alignment to ICAP Process and outcome(if applicable):																
Symbols/Codes: Legend: (this POS is coded for the following) <table style="width: 100%; border: none;"> <tr> <td>+ GT Pathway</td> <td>o ICAP Quality Indicator Shown</td> <td>~ Concurrent Enrollment</td> <td>/ IB</td> </tr> <tr> <td>* Hot career field</td> <td>- PWR Competencies Shown</td> <td>x Badge</td> <td>< AP</td> </tr> <tr> <td>^ Special Pops/ACE</td> <td>@ AVID</td> <td></td> <td></td> </tr> </table>						+ GT Pathway	o ICAP Quality Indicator Shown	~ Concurrent Enrollment	/ IB	* Hot career field	- PWR Competencies Shown	x Badge	< AP	^ Special Pops/ACE	@ AVID		
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Signatures:

_____ (Postsecondary) _____ Secondary _____ Date