


Career Cluster: Manufacturing					CTE Program: Welding Technology Fundamentals 9204400		
Career Cluster Pathway: Applied Welding Technologies, PSAV					Industry Certification: NCCER Welding Level 1		
		16 CORE CURRICULUM CREDITS				8 ADDITIONAL CREDITS	
		ENGLISH 4 credits	MATH 4 credits	SCIENCE 3 credits, 2 with lab	SOCIAL STUDIES 3 credits	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES
HIGH SCHOOL	<ul style="list-style-type: none"> Students are encouraged to use fchoices.org to explore careers and postsecondary options. Students are also encouraged to participate in dual enrollment courses which may be used to satisfy high school graduation or Bright Futures Gold Seal Vocational Scholars course requirements. One course within the 24 credit program must be an online course. Cumulative GPA of 2.0 on a 4.0 scale for 24 credit program 						
	9 th	English I	Algebra I	Physical Science	World Cultural Geography	Physical Education (1credit) (Not required for ACCEL Program)	Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	10 th	English II	Geometry	Biology	World History		Foreign Language for SUS admission or other elective appropriate for student's career and education plan.
	11 th	English III	Algebra II	Chemistry or Marine Science.	United States History	Practical Arts or Fine Arts course (1 credit)	Welding Technology Fundamentals 1 Other elective course appropriate for student's career and education plan.
	12 th	English IV	Pre-Calculus	Elective	American Government		Welding Technology Fundamentals 2 Other elective course appropriate for student's career and education plan.
POSTSECONDARY	Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.						
	TECHNICAL CENTER PROGRAM(S)			COMMUNITY COLLEGE PROGRAM(S)		UNIVERSITY PROGRAM(S)	
				College of Central Florida: Applied Welding Technologies, PSAV			
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)						
	Welder						

CREDIT	Articulation and CTE Dual Enrollment Opportunities			
	Secondary to Technical Center (PSAV)	Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)		PSAV/PSV to AAS or AS/BS/BAS
		Secondary Courses/Certifications	College of Central Florida	
		Welding Technologies 1 (8754510) Welding Technologies 2 (8754520) Welding Technologies 3 (8754530)	PMT 0930L Welding Skill Development Lab (2+2 credits) PMT 0102 Introduction to Welding (4 credits)	
Career and Technical Student Association				
Skills USA				
Internship/Work Experience Recommendations				
Local welding businesses.				
Program of Study Graduation Requirements: http://www.fldoe.org/academics/graduation-requirements/index.stml				