


Career Cluster: Manufacturing				CTE Program: Applied Welding Technologies				
Career Cluster Pathway: Manufacturing				Industry Certification: <ul style="list-style-type: none"> • NCCER Welder – Level • AWELD001 Certified Welder 				
	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	RECOMMENDED ELECTIVES (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
HIGH SCHOOL	<ul style="list-style-type: none"> • Students are encouraged to begin planning for careers and postsecondary options by exploring resources at http://fldoe.org/academics/college-career-planning. • 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 							
	9th	English 1	MATH	Physical Science	World Geography	HOPE	Welding Technologies 1	Welding Technologies 2
	10th	English 2	MATH	Biology	World History	Fine or Practical Arts	Welding Technologies 3	Welding Technologies 4
	11th	English 3	Math DE/AP Math	Earth Science	American History	Elective	Welding Technologies 5	Legal Aspects of Business
	12th	English 4	Math DE/AP Math	Science or Elective	American Government.5 - Economics .5	Elective	Welding Technologies 6	Welding Technologies 7
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)		
	Applied Welding Technology		Industrial Management			Welding Engineering		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	Helpers - Production Workers, Welders, Cutters, Solderers, Brazers		Manufacturing/Fabrication/Repair, Construction Supervisor, Business Manager			Engineer		
CREDIT	Articulation and CTE Dual Enrollment Opportunities							
	Secondary to Technical Center (PSAV) (Minimum # of clock hours awarded)		Secondary to College Credit Certificate or Degree (Minimum # of clock or credit hours awarded)			PSAV/PSV to AAS or AS/BS/BAS (Statewide and other local agreements may be included here)		
	First Coast Technical College		St. Johns River State College			UNF, FSU, UCF		

Career and Technical Student Association

Internship/Work Experience Recommendations

[Program of Study Graduation Requirements](#)