


<b>Career Cluster: Manufacturing</b>				<b>CTE Program: Applied Welding Technologies</b>				
<b>Career Cluster Pathway: Manufacturing</b>				<b>Industry Certification:</b> <ul style="list-style-type: none"> <li>• NCCER Welder – Level</li> <li>• AWELD001 Certified Welder</li> </ul>				
	<b>16 CORE CURRICULUM CREDITS</b>					<b>8 ADDITIONAL CREDITS</b>		
	<b>ENGLISH</b> 4 credits	<b>MATH</b> 4 credits	<b>SCIENCE</b> 3 credits, 2 with lab	<b>SOCIAL STUDIES</b> 3 credits	<b>OTHER REQUIRED COURSES</b> FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	<b>CAREER AND TECHNICAL EDUCATION COURSES</b>	<b>RECOMMENDED ELECTIVES</b> (ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)	
<b>HIGH SCHOOL</b>	<ul style="list-style-type: none"> <li>• Students are encouraged to begin planning for careers and postsecondary options by exploring resources at <a href="http://fldoe.org/academics/college-career-planning">http://fldoe.org/academics/college-career-planning</a>.</li> <li>• 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.</li> <li>• 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</li> </ul>							
	<b>9<sup>th</sup></b>	English 1	MATH	Physical Science	World Geography	HOPE	Welding Technologies 1	Welding Technologies 2
	<b>10<sup>th</sup></b>	English 2	MATH	Biology	World History	Fine or Practical Arts	Welding Technologies 3	Welding Technologies 4
	<b>11<sup>th</sup></b>	English 3	Math DE/AP Math	Earth Science	American History	Elective	Welding Technologies 5	Legal Aspects of Business
	<b>12<sup>th</sup></b>	English 4	Math DE/AP Math	Science or Elective	American Government.5 - Economics .5	Elective	Welding Technologies 6	Welding Technologies 7
<b>POSTSECONDARY</b>	<b>Based on the Career Cluster of interest and identified career and technical education program, the following postsecondary options are available.</b>							
	<b>TECHNICAL CENTER PROGRAM(S)</b>		<b>COMMUNITY COLLEGE PROGRAM(S)</b>			<b>UNIVERSITY PROGRAM(S)</b>		
	Applied Welding Technology		Industrial Management			Welding Engineering		
<b>CAREER</b>	<b>Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)</b>							
	Helpers - Production Workers, Welders, Cutters, Solderers, Brazers		Manufacturing/Fabrication/Repair, Construction Supervisor, Business Manager			Engineer		
<b>CREDIT</b>	<b>Articulation and CTE Dual Enrollment Opportunities</b>							
	<b>Secondary to Technical Center (PSAV)</b> (Minimum # of clock hours awarded)		<b>Secondary to College Credit Certificate or Degree</b> (Minimum # of clock or credit hours awarded)			<b>PSAV/PSV to AAS or AS/BS/BAS</b> (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](#)