


Career Cluster: <i>Manufacturing</i>					CTE Program: Secondary: <i>Welding Technology Fundamentals (9204400)</i> Postsecondary: <i>State CIP Code 1615000001</i>			
Career Cluster Pathway: <i>Maintenance, Installation & Repair</i>					Industry Certification: Secondary: <i>NCCER Welding – Level 1 (NCCER061)</i> Postsecondary:			
		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 mycareershines.orgStudents 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	Earth, Space Science	Elective	Pers Fit (.5 cr) & Ph Ed (.5 cr)	Welding Tech Fund 1	Elective/Foreign Language
	10 th	English II	Geometry	Biology	American History		Welding Tech Fund 2	Elective/Foreign Language
	11 th	English III	Algebra II	Chemistry	World History	Practical Arts or Fine Arts course (1 credit)	Welding Tech Fund 3	Elective/Foreign Language
	12 th	English IV	Statistics	Physics	Am Govt/ Economics		Welding Tech Fund 4	Welding Tech Fund Capstone
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)		
	Okaloosa Technical College Applied Welding Technology		Northwest Florida State College Welding Technology (PSAV) Welding Technology - Advanced (PSAV)			Bachelor of Science Welding Engineering (BS) FAMU Mechanical Engineering (BS) UF Materials Science & Engineering (BS) Industrial Engineering Technology (BS)		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	<ul style="list-style-type: none">WelderCutterSoldererBrazerHelpers – Production Workers		<ul style="list-style-type: none">WeldersGeneral and Operations ManagersElectrical and Electronic Technicians and TechnologistsEngineering and Related Technicians and TechnologistsEngineering TechniciansManufacturing Technicians			<ul style="list-style-type: none">First Line Supervisor of Personal ServicesWorkersWelding Supervisor, Inspector, Instructor, EngineerMechanical 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)
	Students who successfully complete this certificate may be eligible to receive credits towards the Industrial Management Technology (AS) degree.		
Career and Technical Student Association			
SkillsUSA			
Internship/Work Experience Recommendations			
Internship and OJT			

Program of Study Graduation Requirements: <http://www.fldoe.org/academics/graduation-requirements>

[MyCareerShines](#) – Career and Educational Exploration and Information