


Career Cluster: <i>Manufacturing</i>		CTE Program: Secondary: Advanced Manufacturing Technology (9200200) Postsecondary: State CIP Code 1615000001 Engineering Technology						
Career Cluster Pathway: <i>Manufacturing Production Process</i>		Industry Certification: Secondary MSSC Certified Production Technician (CPT) (MSSCN001) & MSSC Certified Logistics Technician (MSSCN002) Postsecondary: MSSC Certified Production Technician (CPT) (MSSCN001)						
	16 CORE CURRICULUM CREDITS					8 ADDITIONAL CREDITS		
	ENGLISH <u>4 credits</u>	MATH <u>4 credits</u>	SCIENCE <u>3 credits, 2 with lab</u>	SOCIAL STUDIES <u>3 credits</u>	OTHER REQUIRED COURSES FINE ARTS (1 credit) PHYSICAL EDUCATION (1 credit)	CAREER AND TECHNICAL EDUCATION COURSES	RECOMMENDED ELECTIVES <small>(ALIGNED WITH COMMUNITY COLLEGE & STATE UNIVERSITY SYSTEM PROGRAMS)</small>	
HIGH SCHOOL	<ul style="list-style-type: none"> Students are encouraged to begin planning for careers and postsecondary options by exploring resources at mycareershines.org 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 I	Algebra I	Earth, Space Science	Elective	Pers Fit (.5 cr) & Ph Ed (.5 cr)	Advanced Manufacturing Technology 1	Elective/Foreign Language
	10th	English II	Geometry	Biology	American History		Advanced Manufacturing Technology 2	Elective/Foreign Language
	11th	English III	Algebra II	Chemistry	World History	Practical Arts or Fine Arts course (1 credit)	Advanced Manufacturing Technology 3	Advanced Manufacturing Technology Capstone
	12th	English IV	Statistics	Physics	Am Govt/ Economics		Advanced Manufacturing Technology 4	Manufacturing Directed Study
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)		
			Northwest Florida State College AS – Engineering Technology – Mechanical Design & Fabrication Specialization Option			University of West Florida Bachelor of Science Mechanical Engineering		
CAREER	Sample Career Specialties (The Targeted Occupations List may be used to identify appropriate careers.)							
	<ul style="list-style-type: none"> Electronic Assembler Production Technician Logistics Technician Quality Technician Maintenance Technician 		<ul style="list-style-type: none"> CNC Machinist CNC Fabricator Engineering Technician Mechanical Engineering Technician 			<ul style="list-style-type: none"> Mechanical 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)
		<p><u>Northwest Florida State College</u> <u>Statewide Articulation Agreement</u> MSSC-Certified Production Technician</p> <p>Shall articulate to 15 college credit hours to the AAS/AS Degree In Engineering Technology. (This is the primary articulation mechanism between Okaloosa and NWFSC for this program of study.)</p>	<p>Northwest Florida State College</p> <p>Students who successfully complete the CNC Machinist/Fabricator (CCC) program may be eligible to receive 12 credits towards the Engineering Technology (AS) degree</p>
Career and Technical Student Association			
SkillsUSA			
Internship/Work Experience Recommendations			
Internship and OJT – Students have the opportunity to intern at Fort Walton Machining and American Elite Molding. They also have the opportunity to participate in on-the-job training at GS Gelato.			

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

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