

Advanced Manufacturing Career Pathway Prosperity Southwest 2022-2024



EXPLORE: Click on the links to find the job titles that seem most interesting to you to learn more! Save any jobs you are interested in from this career pathway in your XELLO account so that you can create an Academic and Career Plan (ACP) later on

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Educational Level May also require work experience	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain		
High School Diploma, Certification	Engine/Machine Assembler , Data Entry Clerk , General Laborer, Shipping & Receiving Clerk , Packager Range \$30,190-\$39,580						
Certification or Technical Diploma	Paint Technician * Food Processing Operator Welder * Sheet Metal Worker * Production Technician *	CAD Drafter Quality Assurance Technician*	Robotic Welder * Quality Controller * Robotics Technician *	Electrical Engineering Tech * Industrial Engineering Tech * Industrial Maintenance Mechanic *	Robotics and Material Handler Technician Inventory Control*		
	Range \$27,940-\$86,900	Range\$41,620-\$114,580	Range \$33,790-\$90,810	Range \$35,770-\$78,530	Range \$26,000-\$71.740		
Registered Apprenticeship	Industrial Pipefitter* Tool and Die Maker* Pattern Maker Machinist * Mold Maker		Electrical Discharge Machining Technician	Millwright * CNC Technician * Industrial Electrician * Industrial Machinery Technician O Maintenance Mechanic * Mechatronics Technician *			
	Range \$33,460-\$100,780		Range \$35,770-\$80,010	Range \$42,340-\$72,140			
Associate Degree	Manufacturing Machine Operator ○ *	<u>Drafter</u> ○ *	Electronics Engineering Tech Computer Network Specialist Manufacturing Engineer Tech Business Analyst Chemical Engineering Tech	Mechanical Engineering Technician Electrical Engineer Technician Electro-mechanical Technician	Buyer Production Planner Logistics Analyst		
	Range \$33,770-\$53,170	Range \$41,620-\$83,970	Range \$40,170-\$149,490	Range \$40,920-\$90,810	Range \$38,580-\$71,740		
Bachelor Degree and beyond	Manufacturing Manager → Operations Manager	Electrical Engineer Mechanical Engineer Environmental Engineer Quality Controller	Process Engineer ★ Business Intelligence Analyst Chemical Engineer Computer Scientist ◆	Industrial Engineer * Manufacturing Engineer * Electrical Engineer	Supply Chain Analyst Procurement Manager ★ Data Warehouse Analyst ★		
	Range \$65,700-\$116,390	Range \$64,650-\$114,580	Range \$61,110-\$149,490	Range \$56,090-\$135,260	Range \$66,490-\$123,710		
Postsecondary Options	Click <u>HERE</u> for Postsecondary Options	Click <u>HERE</u> for Postsecondary Options	Click <u>HERE</u> for Postsecondary Options	Click <u>HERE</u> for Postsecondary Options	Click <u>HERE</u> for Postsecondary Options		
* BRIGHT OUTLOOK = these jobs are expected to grow in the future – which means more opportunities for you!							



Advanced Manufacturing Career Pathway In High School

- A career pathway in high school must include:
 A sequence of courses (including at least 2 CTE courses)
- Two of the following components: Career and Technical Student Organization, Work-based Learning,



Ir	ndustry Recognized Credential, College	Credit Opportunity			
Career and Technical Education Courses	Must include a sequence of at least Blocks for the pathway: • • •	CAREER EXPLORATION PROGRAMS			
Additional Employer Recommended Courses	Should align with <u>Education Building</u> • •	Regional: • Local:			
Career and Technical Student Organization	<u>SkillsUSA</u>	•			
Work-Based Learning Program Options	 Employability Skills (90 hrs) Youth Apprenticeship-Manufac Local Internship/Local Work-bas 				
	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain
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Industry Recognized Credential Options	Troduction		General Industry Version	LIECTIO-IMECHANICA	Зарргу Спаш
-	American Welding Society (AWS) Level 1 Entry Welder * Manufacturing Skills Standards Council-Certified Production Technician (full program or any of the modules) * National Institute for Metal Working Skills (NIMS)- Industrial Technology Maintenance Level 1, Metalforming Level 1 *			NC3 Industry 4.0 and Mechatronics	Lean Six Sigma (ASQ) MSSC-Certified Logistics Technician (CLT)