

Advanced Manufacturing Career Pathway <Name of Region> 2020-2021



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

Educational Level May also require work experience	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain
High School Diploma, Certification	Engine/N	<u> Aachine Assembler</u> O, <u>Data</u>	Entry ClerkO, General Laborer, Range \$xxx,xxx-xxx,xxx	Shipping & Receiving ClerkO,	<u>Packager</u>
Certification or Technical Diploma	Paint Technician * Food Processing Operator Welder * Sheet Metal WorkerO * Production Technician * Range \$xxx,xxx-xxx,xxx	CAD Drafter Quality Assurance Technician ★ Range \$xxx,xxx-xxx,xxx	Robotic Welder * Quality Controller O * Robotics Technician * Range \$xxx,xxx-xxx,xxx	Electrical Engineering TechO* Industrial Engineering TechO* Industrial Maintenance MechanicO* Range \$xxx,xxx-xxx,xxx	Robotics and Material Handler Technician Inventory Control Range \$xxx,xxx-xxx,xxx
	Industrial Pipefitter * Tool and Die Maker *		Electrical Discharge Machining Technician	MillwrightO* CNC Technician★	

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Registered

Apprenticeship

Manufacturing Machine OperatorO*

Associate Degree



- Postsecondary
- **Options**
- Range \$xxx,xxx-xxx,xxx Range \$xxx,xxx-xxx,xxx **Manufacturing** Manager O* Bachelor Degree **Operations Manager**

Pattern Maker

Range \$xxx,xxx-xxx,xxx

MachinistO*

Mold Maker

- and beyond

 - - Range \$xxx,xxx-xxx,xxx Click HERE for

Postsecondary Options

account so that you can create an Academic and Career Plan (ACP) later on.

- - **Electrical EngineerO** Mechanical EngineerO **Environmental EngineerO**

DrafterO*

Quality ControllerO* Range \$xxx,xxx-xxx,xxx

Postsecondary Options

- Click HERE for
- **Business Intelligence Analyst Chemical Engineer** Computer ScientistO* Range \$xxx,xxx-xxx,xxx

Process Engineer*

Range \$xxx,xxx-xxx,xxx

Computer Network

Business Analyst*

SpecialistO

Electronics Engineering TechO

Manufacturing Engineer Tech

Chemical Engineering TechO

Click HERE for

Postsecondary Options

Range \$xxx,xxx-xxx,xxx

Buyer

Production Planner

Range \$xxx.xxx-xxx.xxx

Supply Chain Analyst

Procurement Manager*

Range \$xxx,xxx-xxx,xxx

Data Warehouse Analyst *

Click HERE for

Postsecondary Options

Logistics Analyst

Industrial Electrician *

Maintenance Mechanic○* Mechatronics Technician *

Range \$xxx,xxx-xxx,xxx

Mechanical Engineering

Range \$xxx,xxx-xxx,xxx

Manufacturing Engineer★

Range \$xxx,xxx-xxx,xxx

Click HERE for

Postsecondary Options

Industrial EngineerO*

Electrical EngineerO

Electro-mechanical

Electrical Engineer Technician

Industrial Machinery

TechnicianO

Technician

Technician



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,



In	Industry 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 Education Building • •	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				
Industry Recognized Credential Options Learn the skills that employers want to see! Italics = must be 18 years old to obtain *This certification is eligible for reimbursement through the technical incentive grant	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, Machining Level 1 Metalforming Level 1	The Association for Packaging and Processing Technologies Mechatronics Certification Certified Solidworks Associate Snap On-Precision Measurement Instruments, Multimeter, Mechanical and Electronic Torque Certification *	Smart Automation Certification Alliance (SACA)-Associate Level NC3 Industry 4.0 and Mechatronics	NC3 Industry 4.0 and Mechatronics	Lean Six Sigma (ASQ) MSSC-Certified Logistics Technician (CLT)				
College Credit	You can find the list of college c								