



Advanced Manufacturing Career Pathway

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

Educational Level May also require work experience	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain
High School Diploma,	Engine/Machine Assembler <input type="radio"/> , Data Entry Clerk <input type="radio"/> , General Laborer , Packager Material Handler Range \$23,750-\$50,130				
Certificates	Operator	CAD Drafter	Robotic Welder *	Electronics Technician <input type="radio"/> *	Shipping & Receiving Clerk
Technical Diploma	Paint Technician * Food Processing Operator Welder * Sheet Metal Worker <input type="radio"/> * Production Technician * Range \$27,300-\$66,380	Quality Assurance Technician * Mold Technician * Range \$29,730-\$76,570	Quality Controller <input type="radio"/> * Robotics Technician * Range \$32,010-79,800	Electrical Engineering Tech <input type="radio"/> * Industrial Engineering Tech <input type="radio"/> * Industrial Maintenance Mechanic <input type="radio"/> * Range \$36,480-88,050	Robotics and Material Handler Technician Inventory Control * Range \$24,340-\$56,800
Registered Apprenticeship	Industrial Pipefitter * Tool and Die Maker * Pattern Maker Machinist <input type="radio"/> * Range \$32,930-\$83,680	Mold Maker Range \$24,400-52,570	Electrical Discharge Machining Technician Range \$39,190-\$96,690	Millwright <input type="radio"/> * CNC Technician * Industrial Electrician * Industrial Machinery Technician <input type="radio"/> Maintenance Mechanic <input type="radio"/> * Mechatronics Technician * Range \$33,940-\$83,950	
Associate Degree	CNC Programmer <input type="radio"/> * CNC Machine Operator <input type="radio"/> * Range \$26,400-57,800	Mechanical Designer (CAD) <input type="radio"/> * Range \$36,300-92,000	Electronics Engineering Tech <input type="radio"/> Computer Network Specialist <input type="radio"/> Manufacturing Engineer Tech Business Analyst * Chemical Engineering Tech <input type="radio"/> Range \$39,400-105,780	Mechanical Engineering Technician Electrical Engineer Technician Electro-mechanical Technician Range \$36,700-93,000	Buyer Production Planner Logistics Analyst Range \$37,500-101,300
Bachelor Degree and beyond	Manufacturing Manager <input type="radio"/> * Operations Manager Range \$55,000-192,000	Electrical Engineer <input type="radio"/> Mechanical Engineer <input type="radio"/> Environmental Engineer <input type="radio"/> Quality Controller <input type="radio"/> * Range \$51,240-129,420	Process Engineer/Systems Engineer * Business Intelligence Analyst Chemical Engineer Computer Scientist <input type="radio"/> * Range \$61,660-165,487	Industrial Engineer <input type="radio"/> * Manufacturing Engineer * Electromechanical Engineering Technologist <input type="radio"/> Range \$60,150-145,000	Supply Chain Analyst Procurement Manager * Data Warehouse Analyst * Range \$59,700-167,186
Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for Postsecondary Options



Advanced Manufacturing Career Pathway at Little Chute High School



Your Academic and Career Plan (ACP) for this career pathway starts here...

Use this page to figure out which classes and activities you will take to prepare for this career pathway. Record your plan in XELLO.

Career and Technical Education Courses	<ul style="list-style-type: none"> Metals 1 Metals 2 Metals 3 Computer Integrated Manufacturing Mechanical Drawing 1 Mechanical Drawing 2 Foundations of Manufacturing & Engineering Machine Tool Jump Start Intro to Engineering Design - PLTW Principles of Engineering - PLTW 				Start creating your professional network through CAREER EXPLORATION PROGRAMS . Record your experiences in XELLO.										
Other Recommended Courses	<ul style="list-style-type: none"> College Technical Math 				Regional: <ul style="list-style-type: none"> Virtual Career Events First Robotics Wisconsin SkillsUSA Hour of Code Wisconsin Manufacturing Month 										
Career and Technical Student Organization	SkillsUSA				<u>Local:</u> <ul style="list-style-type: none"> Program Name/link #1 Program Name/link #2 										
Work-Based Learning Options	<ul style="list-style-type: none"> Employability Skills (90 hrs) Youth Apprenticeship-Manufacturing /(450 hrs/year; 1-2 years) Local Internship/Local Work-based Learning Programs that meet state quality requirements 				<u>Local:</u> <ul style="list-style-type: none"> Program Name/link #1 Program Name/link #2 										
Industry Recognized Credential Options <i>Italics = must be 18 years old to obtain</i> *This certification is eligible for reimbursement through the technical incentive grant	<table border="1"> <thead> <tr> <th data-bbox="305 818 622 875">Production</th> <th data-bbox="622 818 942 875">Engineering and Design</th> <th data-bbox="942 818 1271 875">Industry 4.0</th> <th data-bbox="1271 818 1591 875">Electro-Mechanical</th> <th data-bbox="1591 818 1922 875">Supply Chain</th> </tr> </thead> </table>					Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain	OSHA 10-General Industry Version, FVTC-Machinist Helper Certification. FVTC-Basic GMAW Welder Certification				
	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain										
	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)- <ul style="list-style-type: none"> Industrial Technology Maintenance Level 1, Machining Level * Metallforming 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 Courses Offered at Your High School					Transcribed Credit AP and/or IB Courses										