



# Advanced Manufacturing Career Pathway

## New North Region

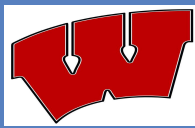
### Wausaukee High School 2022-25



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

\* **BRIGHT OUTLOOK** = these jobs are expected to grow in the future – which means more opportunities for you!  
 ◦ **XELLO** = you can learn more and save this job in your Xello account (note: some job titles might look a little different in Xello)



# Advanced Manufacturing Career Pathway at Wausaukee 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.

<b>Career and Technical Education Courses</b>	Must include a sequence of at least TWO Career and Technical Education courses. Should align with <a href="#">Education Building Blocks</a> for the pathway: <ul style="list-style-type: none"> <li>• Metal Fabrication</li> <li>• Material Cutting Applications</li> </ul>				Start creating your professional network through <b>CAREER EXPLORATION PROGRAMS</b> . Record your experiences in XELLO.	
<b>Other Recommended Courses</b>	<ul style="list-style-type: none"> <li>• College 101</li> <li>• Vocational Math A</li> <li>• Vocational Math B</li> </ul>				<b>Regional:</b> <ul style="list-style-type: none"> <li>• <a href="#">Virtual Career Events</a></li> <li>• <a href="#">First Robotics</a></li> <li>• <a href="#">Wisconsin SkillsUSA</a></li> <li>• <a href="#">Hour of Code</a></li> <li>• <a href="#">Wisconsin Manufacturing Month</a></li> </ul> <b>Local:</b> <ul style="list-style-type: none"> <li>• Industry Visits</li> <li>• NWTC Tech Challenge</li> <li>• NWTC Weld Club</li> </ul>	
<b>Career and Technical Student Organization</b>						
<b>Work-Based Learning Options</b>	<ul style="list-style-type: none"> <li>• <a href="#">Youth Apprenticeship</a>- (450 hrs/year; 1-2 years)</li> </ul>					
<b>Industry Recognized Credential Options</b>  <i>Italics = must be 18 years old to obtain</i>	<b>Production</b>  American Welding Society SENSE Level 1 NWTC Welding Technical Diploma	<b>Engineering and Design</b>	<b>Industry 4.0</b>	<b>Electro-Mechanical</b>	<b>Supply Chain</b>	
<b>College Credit Opportunities</b>  You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a> .	<b>College Courses Offered at Your High School</b>					
<b>Start College Now (NWTC):</b> <ul style="list-style-type: none"> <li>• Material Cutting Applications</li> <li>• Blueprint Reading for Welders 1</li> <li>• Blueprint Reading for Welders 2</li> <li>• Shielded Metal Arc Welding 1</li> <li>• Shielded Metal Arc Welding 2</li> <li>• Shielded Metal Arc Welding 3</li> <li>• Weld Symbols</li> </ul>		<b>Start College Now (NWTC):</b> <ul style="list-style-type: none"> <li>• Gas Metal Arc Welding 1</li> <li>• Gas Metal Arc Welding 2</li> <li>• Gas Metal Arc Welding 3</li> <li>• Gas Tungsten Arc Welding 1</li> <li>• Gas Tungsten Arc Welding 2</li> <li>• Gas Tungsten Arc Welding 3</li> <li>• Flux Cored Arc Welding 1</li> <li>• Flux Cored Arc Welding 2</li> <li>• Flux Cored Arc Welding 3</li> <li>• Metallurgy</li> </ul>				
<b>College Courses You Can Take at a College Campus</b>						
Application Deadlines:						
October 1st: Spring Courses		February 1st: Summer Courses (ECCP only)		March 1st: Fall Courses		
			<b>Early College Credit Program</b>			