



# Manufacturing Career Pathway

## The Great Northwest

### 2021-2022



**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. Salary range reflects from no experience through 30+ years experience.

Educational Level May also require work experience	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain
High School Diploma, Certification	<a href="#">Engine/Machine Assembler</a> ○, <a href="#">Data Entry Clerk</a> ○, <a href="#">General Laborer</a> , <a href="#">Shipping &amp; Receiving Clerk</a> ○, <a href="#">Packager</a> Range \$17,060-\$83,160				
Certification or 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 \$17,890-\$78,850	<a href="#">CAD Drafter</a> <a href="#">Quality Assurance Technician</a> *  Range \$27,390-\$59,210	<a href="#">Robotic Welder</a> * <a href="#">Quality Controller</a> ○* <a href="#">Robotics Technician</a> *  Range \$25,460-\$56,820	<a href="#">Electrical Engineering Tech</a> ○* <a href="#">Industrial Engineering Tech</a> ○* <a href="#">Industrial Maintenance Mechanic</a> ○*  Range \$22,090-\$96,650	<a href="#">Robotics and Material Handler Technician</a> <a href="#">Inventory Control</a> *  Range \$22,970-\$54,670
Registered Apprenticeship	<a href="#">Industrial Pipefitter</a> * <a href="#">Tool and Die Maker</a> * <a href="#">Pattern Maker</a> <a href="#">Machinist</a> ○* <a href="#">Mold Maker</a>  Range \$22,380-\$86,780		<a href="#">Electrical Discharge Machining Technician</a>  Range \$26,760-\$93,050	<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 \$22,090-\$62,910	
Associate Degree	<a href="#">Manufacturing Machine Operator</a> ○*  Range \$41,730-\$80,560	<a href="#">Drafter</a> ○*  Range \$28,180-\$75,670	<a href="#">Electronics Engineering Tech</a> ○ <a href="#">Computer Network Specialist</a> ○ <a href="#">Manufacturing Engineer Tech Business Analyst</a> * <a href="#">Chemical Engineering Tech</a> ○ Range \$27,560-\$76,000	<a href="#">Mechanical Engineering Technician</a> <a href="#">Electrical Engineer Technician</a> <a href="#">Electro-mechanical Technician</a>  Range \$43,400-\$87,770	<a href="#">Buyer</a> <a href="#">Production Planner</a> <a href="#">Logistics Analyst</a>  Range \$23,270-\$93,970
Bachelor Degree and beyond	<a href="#">Manufacturing Manager</a> ○* <a href="#">Operations Manager</a>  Range \$35,220-\$94,110	<a href="#">Electrical Engineer</a> ○ <a href="#">Mechanical Engineer</a> ○ <a href="#">Environmental Engineer</a> ○ <a href="#">Quality Controller</a> ○* Range \$32,100-\$109,999	<a href="#">Process Engineer</a> * <a href="#">Business Intelligence Analyst</a> <a href="#">Chemical Engineer</a> <a href="#">Computer Scientist</a> ○* Range \$30,640-\$76,000	<a href="#">Industrial Engineer</a> ○* <a href="#">Manufacturing Engineer</a> * <a href="#">Electrical Engineer</a> ○  Range \$31,730-\$63,030	<a href="#">Supply Chain Analyst</a> <a href="#">Procurement Manager</a> * <a href="#">Data Warehouse Analyst</a> *  Range \$33,790-\$76,230
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)



# Manufacturing Career Pathway at Gilmanton 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>	<ul style="list-style-type: none"> <li>Metals/Manufacturing</li> <li>Intro. to Engineering</li> <li>Research &amp; Design</li> <li>CAD</li> </ul>	<p>Start creating your professional network through <b>CAREER EXPLORATION PROGRAMS</b>. Record your experiences in XELLO.</p>														
<b>Other Recommended Courses</b>	<ul style="list-style-type: none"> <li>Personal Finance (CVTC)</li> <li>Business Math</li> <li>Occupational Relations (CVTC)</li> </ul>	<p><u>State:</u></p> <ul style="list-style-type: none"> <li><a href="#">Wisconsin Education Fair</a></li> </ul> <p><u>Regional:</u></p> <ul style="list-style-type: none"> <li><a href="#">CVTC Career Tour #10</a></li> </ul> <p><u>Local:</u></p> <ul style="list-style-type: none"> <li><a href="#">CESA 10 – CCR Business &amp; Industry Tours</a></li> <li><a href="#">CESA 10 – CCR Career Pathway Business Panels</a></li> <li><a href="#">CESA 10 – CCR Job Shadows</a></li> <li><a href="#">CESA 10 – CCR Mock Interviews</a></li> </ul>														
<b>Career and Technical Student Organization</b>	<ul style="list-style-type: none"> <li><a href="#">FFA</a> (with Mondovi)</li> <li><a href="#">FBLA</a></li> </ul>															
<b>Work-Based Learning Options</b>	<ul style="list-style-type: none"> <li><a href="#">Employability Skills</a> (90 hrs)</li> <li><a href="#">Youth Apprenticeship-Manufacturing</a>/(450 hrs/year; 1-2 years)</li> <li>Local Internship/Local Work-based Learning Programs that meet <a href="#">state quality requirements</a></li> </ul>															
<b>Industry Recognized Credential Options</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">Production</td> <td style="width: 20%;">Engineering and Design</td> <td style="width: 20%;">Industry 4.0</td> <td style="width: 20%;">Electro-Mechanical</td> <td style="width: 20%;">Supply Chain</td> </tr> <tr> <td colspan="5" style="text-align: center;"><a href="#">OSHA 10-General Industry Version</a></td> </tr> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </table>		Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain	<a href="#">OSHA 10-General Industry Version</a>					N/A	N/A	N/A	N/A
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<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>Transcripted Credit</b> <ul style="list-style-type: none"> <li>Microsoft Office (CVTC)</li> <li>Introduction to Accounting (CVTC)</li> <li>Occupational Relations (CVTC)</li> <li>Personal Finance (CVTC)</li> </ul>	<b>AP and/or IB Courses</b> <ul style="list-style-type: none"> <li>AP Calculus</li> <li><a href="#">CESA 10 Distance Learning Course Catalog</a> - Several college course options for juniors and seniors; more information available from high school counselor</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>Start College Now</b> Students have the option of taking courses in person at several WI Technical Colleges if desired. See high school counselor for more information.	<b>Early College Credit Program</b> Students have the option of taking courses in person at several UW's if desired. See high school counselor for more information.															