



Advanced Manufacturing Career Pathway

New North Region

Beecher-Dunbar-Pembine H.S. 2023-2025



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 ○, Data Entry Clerk ○, General Laborer , Packager Material Handler Range \$23,750-\$50,130				
Certificates	Operator	CAD Drafter	Robotic Welder *	Electronics Technician *○	Shipping & Receiving Clerk
Technical Diploma	Paint Technician * Food Processing Operator Welder * Sheet Metal Worker *○ Production Technician * Range \$27,300-\$66,380	Quality Assurance Technician * Mold Technician *	Quality Controller *○ Robotics Technician *	Electrical Engineering Tech *○ Industrial Engineering Tech *○ Industrial Maintenance Mechanic *○ Range \$36,480-88,050	Robotics and Material Handler Technician * Inventory Control *
Registered Apprenticeship	Industrial Pipefitter * Tool and Die Maker * Pattern Maker Machinist *○ Range \$32,930-\$83,680	Mold Maker Range \$24,400-52,570	Electrical Discharge Machining Technician Range \$39,190-\$96,690	Millwright *○ CNC Technician * Industrial Electrician * Industrial Machinery Technician ○ Maintenance Mechanic *○ Mechatronics Technician * Range \$33,940-\$83,950	
Associate Degree	CNC Programmer *○ CNC Machine Operator *○ Range \$26,400-57,800	Mechanical Designer (CAD) *○ Range \$36,300-92,000	Electronics Engineering Tech ○ Computer Network Specialist ○ Manufacturing Engineer Tech Business Analyst * Chemical Engineering Tech ○ 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 *○ Operations Manager Range \$55,000-192,000	Electrical Engineer ○ Mechanical Engineer ○ Environmental Engineer ○ Quality Controller *○ Range \$51,240-129,420	Process Engineer/Systems Engineer * Business Intelligence Analyst Chemical Engineer Computer Scientist *○ Range \$61,660-165,487	Industrial Engineer *○ Manufacturing Engineer * Electromechanical Engineering Technologist ○ 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

* **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

Beecher-Dunbar-Pembine School District



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	Must include a sequence of at least TWO Career and Technical Education courses which are taught ONLY by licensed CTE teachers.. Should align with Education Building Blocks for the pathway: <ul style="list-style-type: none"> • General Technology/CAD • Welding I (GMAW & SMAW) • Welding II (FCAW & GTAW) 					Start creating your professional network through CAREER EXPLORATION PROGRAMS . Record your experiences in XELLO.				
Other Recommended Courses	<ul style="list-style-type: none"> • Trades Math • Small Engines I • Small Engines II 					<u>Regional:</u> <ul style="list-style-type: none"> • Virtual Career Events • Hour of Code • Wisconsin Manufacturing Month <u>Local:</u> <ul style="list-style-type: none"> • BDP Work Study 				
Career and Technical Student Organization										
Work-Based Learning Options	<ul style="list-style-type: none"> • Youth Apprenticeship 									
Industry Recognized Credential Options <i>Italics = must be 18 years old to obtain</i>	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain					
College Credit Opportunities You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE .	College Courses Offered at Your High School									
Transcripted Credit <ul style="list-style-type: none"> • Welding I GMAW & SMAW-NWTC • Welding II FCAW & GTAW-NWTC • Trades Math 										
College Courses You Can Take at a College Campus										
October 1st: Spring Courses			Application Deadlines: February 1st: Summer Courses (ECCP only)				March 1st: Fall Courses			
Start College Now <ul style="list-style-type: none"> • NWTC Aurora-Electro-Mechanical Tech • DC1: Introduction • Automation 1: Control Logic • Automation 2: Motor Control 					Early College Credit Program <ul style="list-style-type: none"> • NWTC Aurora-Electro-Mechanical • Safety Devices and Application • Into to Robotics • Robotic Vision System 					