



Advanced Manufacturing Career Pathway

New North Region

Lena High School 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.

| 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 at Lena 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"> Materials & Processes Metalworking Technology I & II NWTC SMAW1 & GMAW1 | | | | Start creating your professional network through CAREER EXPLORATION PROGRAMS . Record your experiences in XELLO. |
| Other Recommended Courses | | | | | 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 | | | | | |
| Work-Based Learning Options | <ul style="list-style-type: none"> Youth Apprenticeship-Manufacturing/(450 hrs/year; 1-2 years) | | | | Local: <ul style="list-style-type: none"> |
| 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 |
| | <u>OSHA 10-General Industry Version</u> | | | | |
| 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 | | | | |
| | Transcribed Credit <ul style="list-style-type: none"> NWTC - Shielded Metal Arc Welding 1 NWTC - Gas Metal Arc Welding 1 | | AP and/or IB Courses | | |
| | College Courses You Can Take at a College Campus | | | | |
| | Application Deadlines: October 1st: Spring Courses February 1st: Summer Courses (ECCP only) March 1st: Fall Courses | | | | |
| Start College Now | | Early College Credit Program | | | |