



Advanced Manufacturing Career Pathway

North-Central Wisconsin Region

Goodman-Armstrong Creek High School 2022-23



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, Certification	Engine/Machine Assembler ◦ Data Entry Clerk ◦ General Laborer * Machine Operator Material Handler * Shipping & Receiving Clerk * ◦ Packager Range \$19,500 - \$57,000				
Certification or Technical Diploma	Paint Technician * Food Processing Operator Welder * ◦ Machine Setter & Operator ◦ Machine Assembler Sheet Metal Worker * ◦ Production Technician Range \$21,750 - \$90,000	CAD Drafter ◦ Quality Technician * ◦ Mold Technician Range \$24,000-\$92,000	Robotic Welder * Quality Technician ◦ * Robotics Technician * Controls Technician Range \$30,000 - \$97,000	Electrical and Instrumentation Tech ◦ Industrial Engineering Tech ◦ Industrial Maintenance Mechanic * ◦ Electronics Technician ◦ Range \$34,000 - \$97,000	Robotics and Material Handler Technician * Inventory Control Shipping and Receiving ◦ Range \$21,400 - \$51,500
Registered Apprenticeship	CNC Technician Industrial Pipefitter * ◦ Tool and Die Maker ◦ Pattern Maker Welder-Fabricator ◦ Industrial Engineering Technician ◦ Sheet Metal Worker - Industrial * ◦ Range \$28,000-\$100,000	Mold Maker Range \$25,000-\$53,000	Mechatronics Technician Electrical Discharge Machining Technician * Machinist * ◦ Range \$35,000 - \$99,000	Millwright * ◦ Industrial Electrician * Electrical/Instrumentation Technician ◦ Instrument Mechanic * Lubrication Technician * Maintenance Mechanic * ◦ Range \$24,600 - \$97,000	
Associate Degree	CNC Programmer * CNC Machinist * ◦ Range \$36,000-\$89,000	Industrial Designer ◦ Industrial Hygienist ◦ Range \$35,000-\$144,000	Electronics Engineering Tech ◦ Automation Engineer Tech Network or Cybersecurity Specialist * ◦ Business Systems Analyst * ◦ Chemical Engineering Tech ◦ Software Developer * Range \$31,000 - \$165,000	Mechanical Engineering Technician ◦ Electrical Engineer Technician ◦ Electro-mechanical Technician Maintenance Planner Range \$30,000 - \$97,000	Production Planner Logistics Analyst ◦ Range \$30,000-\$120,000
Bachelor Degree and beyond	Operations Manager * Front Line Supervisor * Safety Engineer Environmental Engineer ◦ Quality Manager * Warehouse Manager Range \$30,000-\$208,000	Electrical Engineer * ◦ Mechanical Engineer ◦ Environmental Engineer ◦ Quality Engineer * ◦ Paper Science Engineer Chemical Engineer ◦ Range \$30,000-\$161,000	Process Engineer Business Intelligence Analyst * Computer Scientist * ◦ Systems/Reliability Engineer * Systems App Developer * Research and Development Computer Systems Analyst * Range \$40,000 - \$190,000	Industrial Engineer * ◦ Manufacturing Engineer * Electromechanical Engineering Technologist Maintenance Manager/ Superintendent ◦ Range \$35,000 - \$176,000	Supply Chain Manager Procurement Manager Data Warehouse Analyst * Buyer Forest Products Buyer Distribution Center Manager Range \$38,000-\$193,000
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** = a tool that helps you explore career options, track your progress, and create a plan for your future.



Advanced Manufacturing Career Pathway at Goodman-Armstrong Creek 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	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"> • Smart Start to Building Automation Systems • Intro to MIG (NWTC) • Intro to Electronics • Welding 1 • FAB LAB 1 • FAB LAB 2 					Start creating your professional network through CAREER EXPLORATION PROGRAMS . Record your experiences in XELLO.				
Other Recommended Courses	Must include a sequence of at least TWO Career and Technical Education courses. Should align with Education Building Blocks for the pathway: <ul style="list-style-type: none"> • Math for Trades 					<u>State:</u> <ul style="list-style-type: none"> • Inspire contacts in Xello platform <u>Regional:</u> <ul style="list-style-type: none"> • Heavy Metal Tour (Nicolet College) • CWIMA Welding and Machine Tool Contest • The Branch Academy (NTC) • NTC Summer Camps <u>Local:</u>				
Career and Technical Student Organization	<ul style="list-style-type: none"> • SKILLS USA 									
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					
		Engineering Fundamentals Career Pathway (NWTC)								
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 (NWTC) <ul style="list-style-type: none"> • Smart Start to Building Automation Systems • Intro to MIG (NWTC) 									
	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					Early College Credit Program				