

WHY JOIN A PATHWAY?

- For high school students, regional career pathways align
 education and training with the needs of the local job market,
 provide a range of postsecondary options, result in a high
 school diploma with at least one industry-recognized credential,
 and help students enter or advance within an occupation.
- For schools, career pathways provide a specific ACP plan for occupations that are in demand in Wisconsin. This allows schools to focus on student and curriculum activities with input and support from regional employers and higher education.
- For employers, regional career pathways make partnerships with a greater number of schools possible. This allows employers to shape the future talent pipeline, foster young talent, and highlight local career opportunities across an entire region.





OUR MISSION

The regional collaboratives adopt, implement, promote, and monitor high school career pathways in high-skill, in-demand industry sectors. They act as an advisory group, on behalf of regional districts, to identify and overcome barriers that prevent students in the region from accessing the pathway. An example of such a barrier may include college curriculum that is not aligned with the career pathway. In addition, the collaborative provides the means necessary for students to participate and complete a pathway by:



Taking a sequence of aligned courses,



Earning an industry-recognized credential,



Enrolling in dual college credit classes,



Participating in career-based and workbased learning experiences, and



Accessing related Career and Technical Education (CTE) student organizations

CONTACT

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LET'S EXPLORE...

Architecture and Construction

A REGIONAL CAREER PATHWAY DEVELOPED BY THE GREAT NORTHWEST COLLABORATIVE AND APPROVED BY THE DEPARTMENT OF PUBLIC INSTRUCTION



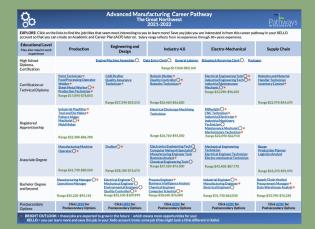
WHAT IS ARCHITECTURE AND CONSTRUCTION?

The construction sector is made up of companies and businesses engaged in the construction of buildings or engineering projects. Jobs in the construction field will be among the fastest growing between 2020 and 2030, according to recent projections. "As demand for labor grows, it's crucial that craftspeople are receiving specialized training. Training skilled craftspeople requires programs that combine classroom training and onthe-job experience, and are most successful when led or supported by companies invested in training their workforce"

WHY ARCHITECTURE AND CONSTRUCTION IN HIGH SCHOOL...

- According to Workforce Development data from 2021, Construction is among the (3rd) top growing occupations in northern Wisconsin.
- Architecture and Engineering is also the second leading hourly earnings at just over \$30 an hour. Construction is \$23/hour.

Top 10 WI Occupations with Most Projected Job Openings (2018-2028)						
Projected Annual Total Job Openings	Occupation	Salary Range	Education Needed			
3026	Landscaping and Groundskeeping Workers	\$21,475- \$36,965	No formal educational credential			
2557	Carpenters	\$32,361- \$59,952	High school diploma or equivalent			
2402	Construction Laborers	\$29,283- \$51,213	No formal educational credential			
1580	Electricians	\$39,870- \$70,263	High school diploma or equivalent			
1219	First-Line Supervisors of Construction Trades and Extraction Workers	\$49,845- \$81,585	High school diploma or equivalent			
1106	Operating Engineers and Other Construction Equipment Operators	\$41,671- \$72,967	High school diploma or equivalent			
1104	Plumbers, Pipefitters, and Steamfitters	\$44,036- \$80,742	High school diploma or equivalent			
642	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$35,228- \$60,423	Postsecondary non-degree award			
634	Highway Maintenance Workers	\$31,046- \$49,139	High school diploma or equivalent			
572	Civil Engineers	\$53,939- \$91,017	Bachelor's degree			



The image above shows the first page of a pathway map. It explains different career paths within manufacturing, level of education needed, salary range, high demand jobs, and each is linked to more career information.

Ö Ö	Pathways					
Career and Technical Education Courses	Must include a sequence of at least Blocks for the pathway:	CAREER EXPLORATION PROGRAMS				
Relevant Academic Courses	Should align with Education Building	Regional:				
Career and Technical Student Organization	SkillsUSA FFA FBLA	:				
Work-Based Learning Program Options	Employability Skills (90 hrs) Youth Apprenticeship-Manufac Local Internship/Local Work-bat					
	Production	Engineering and Design	Industry 4.0	Electro-Mechanical	Supply Chain	
Industry Recognized Credential Options	OSHA 10-General Industry Version					
Learn the skills that employers want to see! table: = must be 18 years old to obtain "This certification is eliable for reimbursement through the technical incentive grant College Credit	American Welding Society (AWS) Level 1 Entry Welder Manufacturing Skills Standards	The Association for Packaging and Processing Technologies Mechatronics	Smart Automation Certification Alliance (SACA)-Associate Level	NC3 Industry 4.0 and Mechatronics	Lean Six Sigma (ASQ) MSSC-Certified Logistics	
years old to obtain "This certification is eligible for reimbursement through the technical incentive grant	Council-Certified Production Technician (full program or any of the modules) National Institute for Metal Working Skills (BIMS): Industrial Technology Maintenance Level 1. Machining Level 1. Working Level 3. You can find the list of college or	Certification Certified Solidworks Associate Snap On-Precision Measurement Instruments, Multimeter, Mechanical and Electronic Torque Certification redit opportunities included	NC3 Industry 4.0 and Mechatronics		Technician (CLT)	
years old to obtain "This certification is eligible for reimbursement through the technical incentive grant	Council-Certified Production Technician full program or any of the modules National Institute for Metal Working Skills (NIMS): Industrial Technology Maintenance Level 1, Machining Level Metalforming Level 1	Certified Solidworks Associate Snap.On-Precision Measurement Instruments, Multimeter, Mechanical and Electronic Torque Certification	Mechatronics		Technician (CLT)	

The image above shows the second page of a pathway map. It shows what courses are available in your school district. It also shows internships, work-based learning opportunities and industry-recognized credentials that are available