



Architecture & Construction Career Pathway

New North Region

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	Design/Pre-Construction	General Construction/Skilled Trades *In the Construction Industry, experience is equally as important as a degree!
High School Diploma, Certification	<p>Many entry level general laborer positions are available in both residential, commercial, road building, and industrial settings.</p> <p> Construction Laborer * <input type="radio"/> Pre-Apprentice Supplier Sales Carpenter Helper * Painter <input type="radio"/> Glazier Roofer <input type="radio"/> Commercial Motor Vehicle Operator (CDL) Mechanic Insulation workers </p> <p>Range \$ 28,350-\$82,720</p>	
Certification or Technical Diploma	<p> Appliance Technician * Landscape Technician HVAC Service Technician <input type="radio"/> * Retail/Design Consultant </p> <p>Range \$27,200-\$70,920</p>	<p> Cabinet Maker Bricklayer <input type="radio"/> * Boiler Operator Rough Carpenter * Tile Setter * Maintenance Technician </p> <p>Range \$29,550-\$77,530</p>
Registered Apprenticeship	<p> Concrete Finisher * Electrician <input type="radio"/> Plumber <input type="radio"/> * Operating Engineer * <input type="radio"/> Sheet Metal Worker <input type="radio"/> </p>	<p> Steamfitter * <input type="radio"/> Boilermaker <input type="radio"/> Iron Worker <input type="radio"/> Carpenter <input type="radio"/> * Pipefitter * Crew Leader/Foreman * Superintendent * Fabricators </p> <p>Range \$35,990-88,760</p>
Associate Degree	<p> Drafting Design Technician Surveyor Interior Designer <input type="radio"/> Landscape Architect <input type="radio"/> </p> <p>Range \$31,420-82,520</p>	<p> Project Manager * Assistant Construction Manager * Cost Estimator * </p> <p>Range \$62,680-\$161,380</p>
Bachelor Degree and beyond	<p> Architect <input type="radio"/> Civil Engineer <input type="radio"/> Electrical Engineer Environmental Engineer Mechanical Engineer Landscape Architect <input type="radio"/> </p> <p>Range \$48,010-\$129,170</p>	<p> Safety Manager Company Owner Project Engineer * Construction Manager * <input type="radio"/> </p> <p>Range \$60,940-\$167,630</p>
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)



Architecture & Construction Career Pathway In High School



A career pathway in high school must include:

- A sequence of courses (including at least 2 CTE courses)
- Two of the following components: *Career and Technical Student Organization, Work-based Learning, Industry Recognized Credential, College Credit Opportunity*

Career and Technical Education 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"> • • • 		Career Exploration Programs State: <ul style="list-style-type: none"> • Virtual Career Events • We Build Wisconsin • Wisconsin Sheet Metal and Steamfitters - request for classroom speaker 	
Relevant Academic Courses	Should align with Education Building Blocks for this pathway:			
Career and Technical Student Organization	Skills USA			
Work-Based Learning Program Options	<ul style="list-style-type: none"> • Employability Skills (90 hrs) • State Skill Standards Co-Op-Construction (480 hrs/1 year) • Youth Apprenticeship- Architecture and Construction (450 hrs/year; 1-2 years) • Local Work-based Learning Programs that meet state quality requirements 			
	Design Pre-Construction	General Construction Skilled Trades		
Industry Recognized Credential Options Learn the skills that employers want to see! <i>Italics = must be 18 years old to obtain</i> <i>*This certification is eligible for reimbursement through the technical incentive grant</i>	<p style="text-align: center;">OSHA 10/30, MSHA (Initial & Annual), Wisconsin Drivers License, Commercial Drivers License (CDL)</p> <table border="1" style="width: 100%;"> <tr> <td data-bbox="336 948 1116 1286"> <ul style="list-style-type: none"> • North American Technician Excellence (NATE): HVAC Support Technician* • Multi-Craft Core Curriculum </td> <td data-bbox="1116 948 1918 1286"> <ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER)* • Career Connections/Level 3* • Woodwork Career Alliance: Sawblade* </td> </tr> </table>		<ul style="list-style-type: none"> • North American Technician Excellence (NATE): HVAC Support Technician* • Multi-Craft Core Curriculum 	<ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER)* • Career Connections/Level 3* • Woodwork Career Alliance: Sawblade*
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College Credit Opportunities	You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE .			