



Architecture & Construction Career Pathway

New North
2020-2021



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 * ● Pre-Apprentice Supplier Sales Carpenter Helper * ● Painter ● Glazier Roofer ● Commercial Motor Vehicle Operator (CDL) Mechanic Insulation workers </p> <p style="text-align: center;">Range \$ 28,350-\$82,720</p>	
Certification or Technical Diploma	<p> Appliance Technician * Landscape Technician HVAC Service Technician ● * Retail/Design Consultant </p> <p style="text-align: center;">Range \$27,200-\$70,920</p>	<p> Cabinet Maker Bricklayer ● * Boiler Operator Rough Carpenter * Tile Setter * Maintenance Technician </p> <p style="text-align: center;">Range \$29,550-\$77,530</p>
Registered Apprenticeship	<p> Concrete Finisher * Electrician ● Plumber ● * Operating Engineer * ● Sheet Metal Worker ● </p>	<p> Steamfitter * ● Boilermaker ● Iron Worker ● Carpenter ● * Pipefitter * Crew Leader/Foreman * Superintendent * Fabricators </p> <p style="text-align: center;">Range \$35,990-88,760</p>
Associate Degree	<p> Drafting Design Technician Surveyor Interior Designer ● Landscape Architect ● </p> <p style="text-align: center;">Range \$31,420-82,520</p>	<p> Project Manager * Assistant Construction Manager * Cost Estimator * </p> <p style="text-align: center;">Range \$62,680-\$161,380</p>
Bachelor Degree and beyond	<p> Architect ● Civil Engineer ● Electrical Engineer Environmental Engineer Mechanical Engineer Landscape Architect ● </p> <p style="text-align: center;">Range \$48,010-\$129,170</p>	<p> Safety Manager Company Owner Project Engineer * Construction Manager * ● </p> <p style="text-align: center;">Range \$60,940-\$167,630</p>



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 Regional: <ul style="list-style-type: none"> • UWGB Design Tech Camp • NWTC Career Events Local: <ul style="list-style-type: none"> • 					
Additional Employer Recommended Courses	Should align with Education Building Blocks for this pathway: <ul style="list-style-type: none"> • Writing/Communication • Measurement & Math 							
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>	<div style="text-align: center;"> OSHA 10/30 MSHA (Initial & Annual) Wisconsin Drivers License Commercial Drivers License (CDL) </div> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td data-bbox="336 1029 1116 1100"> <ul style="list-style-type: none"> • North American Technician Excellence (NATE): HVAC Support Technician* </td> <td data-bbox="1116 1029 1916 1100"> <ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER)* </td> </tr> <tr> <td data-bbox="336 1100 1116 1158"> <ul style="list-style-type: none"> • Multi-Craft Core Curriculum </td> <td data-bbox="1116 1100 1916 1158"> <ul style="list-style-type: none"> • Career Connections/Level 3* </td> </tr> <tr> <td data-bbox="336 1158 1116 1310"></td> <td data-bbox="1116 1158 1916 1310"> <ul style="list-style-type: none"> • Woodwork Career Alliance: Sawblade* </td> </tr> </table>		<ul style="list-style-type: none"> • North American Technician Excellence (NATE): HVAC Support Technician* 	<ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER)* 	<ul style="list-style-type: none"> • Multi-Craft Core Curriculum 	<ul style="list-style-type: none"> • Career Connections/Level 3* 		<ul style="list-style-type: none"> • Woodwork Career Alliance: Sawblade*
<ul style="list-style-type: none"> • North American Technician Excellence (NATE): HVAC Support Technician* 	<ul style="list-style-type: none"> • National Center for Construction Education & Research (NCCER)* 							
<ul style="list-style-type: none"> • Multi-Craft Core Curriculum 	<ul style="list-style-type: none"> • Career Connections/Level 3* 							
	<ul style="list-style-type: none"> • Woodwork Career Alliance: Sawblade* 							
College Credit Opportunities	You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE .							