



# Architecture & Construction Career Pathway

## The Great Northwest

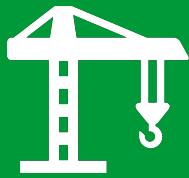
### 2020-2021



**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. Salary range reflects from no experience through 30+ years experience.

<b>Educational Level</b> May also require work experience	<b>Design/Pre-Construction</b>	<b>General Construction Skilled Trades</b> <b>*In the Construction Industry, experience is equally as important as a degree!</b>
High School Diploma, Certification	Many entry level general laborer positions are available in both residential, commercial, road building, and industrial settings. <a href="#">Construction Laborer</a> *○ <a href="#">Pre-Apprentice</a> <a href="#">Supplier Sales</a> <a href="#">Carpenter Helper</a> * <a href="#">Painter</a> ○ <a href="#">Roofer</a> ○ Range \$25,700-\$65,270	
Certification or Technical Diploma	<a href="#">Appliance Technician</a> * <a href="#">Landscape Technician</a> <a href="#">HVAC Service Technician</a> ○* <a href="#">Retail/Design Consultant</a> Range \$28,040-\$62,130	<a href="#">Cabinet Maker</a> <a href="#">Mason</a> <a href="#">Boiler Operator</a> <a href="#">Rough Carpenter</a> * <a href="#">Floor Layers</a> * Range \$22,060-\$80,040
Registered Apprenticeship	<a href="#">Concrete Finisher</a> * <a href="#">Electrician</a> ○ <a href="#">Plumber</a> ○* <a href="#">Operating Engineer</a> *○ <a href="#">Sheet Metal Worker</a> ○	<a href="#">Steamfitter</a> *○ <a href="#">Boilermaker</a> ○ <a href="#">Iron Worker</a> ○ <a href="#">Carpenter</a> ○* <a href="#">Pipefitter</a> * <a href="#">Crew Leader/Foreman</a> * <a href="#">Superintendent</a> * Range \$35,380-\$120,210
Associate Degree	<a href="#">Drafting Design Technician</a> <a href="#">Surveyor</a> <a href="#">Interior Designer</a> ○ <a href="#">Landscape Architect</a> ○ Range \$45,860-\$100,130	<a href="#">Project Manager</a> * <a href="#">Assistant Construction Manager</a> * <a href="#">Cost Estimator</a> * Range \$45,270-\$100,970
Bachelor Degree and beyond	<a href="#">Architect</a> ○ (5-6 year degree) <a href="#">Civil Engineer</a> ○ <a href="#">Landscape Architect</a> ○ Range \$40,350-\$110,800	<a href="#">Safety Manager</a> <a href="#">Company Owner</a> <a href="#">Project Engineer</a> * <a href="#">Construction Manager</a> * ○ Range \$51,090-\$110,320
Postsecondary Options	Click <a href="#">HERE</a> for Postsecondary Options	Click <a href="#">HERE</a> 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*

<b>Career and Technical Education Courses</b>	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"> <li>• Drafting</li> <li>• Woods I</li> <li>• Welding 1</li> </ul>		<b>Career Exploration Programs</b>
<b>Additional Employer Recommended Courses</b>	Should align with <a href="#">Education Building Blocks</a> for this pathway: <ul style="list-style-type: none"> <li>• Applied Math - Dual Credit w/NTC</li> </ul>		
<b>Career and Technical Student Organization</b>	<a href="#">Skills USA</a> <a href="#">FFA</a> <a href="#">FBLA</a> <a href="#">DECA</a>		
<b>Work-Based Learning Program Options</b>	<ul style="list-style-type: none"> <li>• <a href="#">Employability Skills</a> (90 hrs)</li> <li>• <a href="#">State Skill Standards Co-Op-Construction</a> (480 hrs/1 year)</li> <li>• <a href="#">Youth Apprenticeship- Architecture and Construction</a> (450 hrs/year; 1-2 years)</li> <li>• Local Work-based Learning Programs that meet <a href="#">state quality requirements</a></li> </ul>		
	<b>Design Pre-Construction</b>	<b>General Construction Skilled Trades</b>	State: <ul style="list-style-type: none"> <li>• <a href="#">We Build Wisconsin</a></li> <li>• <a href="#">Wisconsin Sheet Metal and Steamfitters - request for classroom speaker</a></li> </ul> Regional: <ul style="list-style-type: none"> <li>• STEAM Career Day</li> <li>• Tech School Career Fairs</li> <li>• CESA 12 Virtual Career Day</li> </ul> Local: <ul style="list-style-type: none"> <li>• CESA virtual career events</li> <li>• Career Fair Rice Lake</li> </ul>
<b>Industry Recognized Credential Options</b> Learn the skills that employers want to see!  <i>Italics = must be 18 years old to obtain</i>  <a href="#">*This certification is eligible for reimbursement through the technical incentive grant</a>	<a href="#">OSHA 10</a> <a href="#">Wisconsin Drivers License</a>		
<b>College Credit Opportunities</b>	You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a> .		
	<ul style="list-style-type: none"> <li>• <a href="#">North American Technician Excellence (NATE): HVAC Support Technician*</a></li> <li>• <a href="#">Multi-Craft Core Curriculum</a></li> </ul>	<ul style="list-style-type: none"> <li>• <a href="#">National Center for Construction Education &amp; Research (NCCER)*</a></li> <li>• <a href="#">Career Connections/Level 3*</a></li> <li>• <a href="#">Woodwork Career Alliance: Sawblade*</a></li> </ul>	