



# 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.

<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	<p>Many entry level general laborer positions are available in both residential, commercial, road building, and industrial settings.</p> <p> <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="#">Glazier</a>             <a href="#">Roofer</a> ○  <a href="#">Commercial Motor Vehicle Operator (CDL)</a>   <a href="#">Mechanic</a>   <a href="#">Insulation workers</a> </p> <p style="text-align: center;"><b>Range \$ 28,350-\$82,720</b></p>	
Certification or Technical Diploma	<p> <a href="#">Appliance Technician</a> *             <a href="#">Landscape Technician</a>  <a href="#">HVAC Service Technician</a> ○*             <a href="#">Retail/Design Consultant</a> </p> <p style="text-align: center;"><b>Range \$27,200-\$70,920</b></p>	<p> <a href="#">Cabinet Maker</a>  <a href="#">Bricklayer</a> ○*             <a href="#">Boiler Operator</a>  <a href="#">Rough Carpenter</a> *             <a href="#">Tile Setter</a> *             <a href="#">Maintenance Technician</a> </p> <p style="text-align: center;"><b>Range \$29,550-\$77,530</b></p>
Registered Apprenticeship	<p> <a href="#">Concrete Finisher</a> *             <a href="#">Electrician</a> ○             <a href="#">Plumber</a> ○*             <a href="#">Operating Engineer</a> *○             <a href="#">Sheet Metal Worker</a> ○         </p>	<p> <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> *             <a href="#">Fabricators</a> </p> <p style="text-align: center;"><b>Range \$35,990-88,760</b></p>
Associate Degree	<p> <a href="#">Drafting Design Technician</a>  <a href="#">Surveyor</a>  <a href="#">Interior Designer</a> ○  <a href="#">Landscape Architect</a> ○         </p> <p style="text-align: center;"><b>Range \$31,420-82,520</b></p>	<p> <a href="#">Project Manager</a> *             <a href="#">Assistant Construction Manager</a> *             <a href="#">Cost Estimator</a> *         </p> <p style="text-align: center;"><b>Range \$62,680-\$161,380</b></p>
Bachelor Degree and beyond	<p> <a href="#">Architect</a> ○  <a href="#">Civil Engineer</a> ○  <a href="#">Electrical Engineer</a>  <a href="#">Environmental Engineer</a>  <a href="#">Mechanical Engineer</a>  <a href="#">Landscape Architect</a> ○         </p> <p style="text-align: center;"><b>Range \$48,010-\$129,170</b></p>	<p> <a href="#">Safety Manager</a>  <a href="#">Company Owner</a>  <a href="#">Project Engineer</a> *             <a href="#">Construction Manager</a> *○         </p> <p style="text-align: center;"><b>Range \$60,940-\$167,630</b></p>
Postsecondary	Click <a href="#">HERE</a> for	Click <a href="#">HERE</a> for



# Architecture & Construction Career Pathway at Little Chute 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.

<b>Career and Technical Education Courses</b>	<ul style="list-style-type: none"> <li>• Foundations of Manufacturing and Engineering</li> <li>• Woodworking 1</li> <li>• Woodworking 2</li> <li>• Architectural Design 1</li> <li>• Architectural Design 2</li> </ul>	Start creating your professional network through <b>CAREER EXPLORATION PROGRAMS</b> . Record your experiences in XELLO.
<b>Other Recommended Courses</b>	<ul style="list-style-type: none"> <li>• Mechanical Drawing 1</li> <li>• Mechanical Drawing 2</li> <li>• College Technical Math</li> </ul>	<u>State:</u> <ul style="list-style-type: none"> <li>• <a href="#">Virtual Career Events</a></li> <li>• <a href="#">We Build Wisconsin</a></li> <li>• <a href="#">Wisconsin Sheet Metal and Steamfitters - request for classroom speaker</a></li> </ul> <u>Regional:</u> <ul style="list-style-type: none"> <li>• </li> </ul> <u>Local:</u> <ul style="list-style-type: none"> <li>• </li> </ul>
<b>Career and Technical Student Organization</b>	<ul style="list-style-type: none"> <li>• <a href="#">Skills USA</a></li> </ul>	
<b>Work-Based Learning 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>Industry Recognized Credential Options</b>  <i>Italics = must be 18 years old to obtain</i>  <small>*This certification is eligible for reimbursement through the technical incentive grant</small>	<b>Design Pre-Construction</b>	<b>General Construction Skilled Trades</b>
	<a href="#">OSHA 10/30</a> , <a href="#">MSHA (Initial &amp; Annual)</a> , <a href="#">Wisconsin Drivers License</a> , <a href="#">Commercial Drivers License (CDL)</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>
<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> .	<b>College Courses Offered at Your High School</b>	
	<b>Transcripted Credit</b> <ul style="list-style-type: none"> <li>• People Skills for Healthcare Professionals</li> <li>• Accounting 2</li> <li>• Marketing 2</li> <li>• Computer Apps</li> <li>• Financial Literacy</li> <li>• Metals 2</li> <li>• Metals 3</li> <li>• Mechanical Drawing 1</li> </ul>	<b>AP and/or IB Courses</b> Name of AP/IB Course #1 AP English-Literature & Composition AP Language & Composition AP Calculus AP Statistics AP Biology AP Chemistry AP World History