



# Architecture and Construction Career Pathway

## NEW North Region – Sheboygan Area School District

### 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>Materials and Processes</li> <li>Woods Production</li> <li>Construction Trades</li> <li>PLTW Civil Engineering and Architecture</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>Writing/Communication</li> <li>Measurement &amp; Math</li> <li>House Construction</li> </ul>	<b>State:</b> <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> <b>Regional:</b> <ul style="list-style-type: none"> <li><a href="#">UWGB Design Tech Camp</a></li> <li><a href="#">NWTC Career Events</a></li> </ul> <b>Local:</b> <ul style="list-style-type: none"> <li><a href="#">Homebuilders Expo</a></li> <li><a href="#">Inspire Sheboygan County</a></li> </ul>
<b>Career and Technical Student Organization</b>		
<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 state quality requirements</li> <li>Technology Education Co-op – This is a year course, semester divided, open to all students enrolled in an advanced technology education course. An average of 5-15 hours of work weekly with a local industry (work station) is required. Student placement is dependent upon student interviews and the availability of workstations.</li> <li>Mechanical Design Youth Apprenticeship – For students focused on a career in drafting and design. Students apply through their counselor in early March of their sophomore or junior year and attend four Lakeshore Technical College courses (8 college credits) that align with their paid work experience. Transportation must be available for travel to work site and LTC campus. A mentor is assigned to the student at the job site.</li> <li>House Construction – This year-long course meets for two hours daily and is open to students who have indicated a career choice related to the building trades, partially carpentry. Students will develop carpentry skills by using tools and materials in the construction of a residential home. Students are provided information and develop skills in the areas of preparing and setting foundations, rough framing, utilities, interior and exterior finishing, and site completion. The course content is closely related to the current technology used in the building construction industry. This hands-on course strongly resembles the pace and expectations of an actual construction crew. Up to 500 hours credit possible toward adult apprenticeship program. Enrollment is limited. Acceptance into the program will be by application and interview.</li> </ul>	

<b>Industry Recognized Credential Options</b> <small>Learn the skills that employers want to see! <i>Italics = must be 18 years old to obtain</i> <b>*This certification is eligible for reimbursement through the technical incentive grant</b></small>	<b>Design Pre-Construction</b>	<b>General Construction Skilled Trades</b>
	<a href="#">OSHA 10 General Industry Certification</a> completion through the House Construction Course <a href="#">Autodesk Revit Certification</a> through Civil Engineering and Architecture Course, using Certiport.	
	<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> <small>You can find the list of college credit opportunities included in the postsecondary options for this pathway <a href="#">HERE</a>.</small>	<b>College Courses Offered at Your High School</b>		
	<ul style="list-style-type: none"> <li>3 Milwaukee School of Engineering credits through the Civil Engineering and Architecture course of PLTW</li> <li>Up to 500 hours credit possible towards adult apprenticeship program through Lakeshore Technical College from the House Construction Course.</li> </ul>		
	<b>College Courses You Can Take at a College Campus</b>		
	Application Deadlines:		
	October 1st: Spring Courses	February 1st: Summer Courses (ECCP only)	March 1st: Fall Courses
	<b>Start College Now</b> Lakeshore Technical College, Introduction to Construction Lakeshore Technical College, Welding Introduction Fox Valley Technical College, Site Layout and Construction	<b>Early College Credit Program</b> University of Wisconsin-Green Bay, Three Dimensional Design University of Wisconsin-Green Bay, Introduction to Urban Studies University of Wisconsin-Milwaukee, College Writing and Research	