



EXPLORE: Click the links to learn more about jobs under each industry subsector that seem most interesting! Save jobs you are interested in to your XELLO account to create an Academic & Career Plan. **NOTE:** Experience can be equally as important as a degree in the Construction industry! Many entry level general laborer positions are available in residential, commercial, road building, and industrial settings. Educational requirements and job titles may vary based on individual employer requirements. **Entrepreneurship** is also a viable alternative at all levels for those who wish to use their skills to start their own business.

Educational Level <small>May also require work experience</small>	Design/Pre-Construction	General Construction/Skilled Trades	Post-Construction/Maintenance/ Operations
High School Diploma or Certification	<ul style="list-style-type: none"> • Landscape ○ • Sales Representative ○ <p>Range \$ 27,760-\$97,660</p>	<ul style="list-style-type: none"> • Carpenter Helper * • Cement & Concrete Finisher * ○ • Construction Laborer * ○ • Floor Finisher * ○ • Painter ○ • Pre-Apprentice * • Roofer ○ • Woodworking Machine Operator <p>Range \$32,100-\$70,010</p>	<ul style="list-style-type: none"> • Hazardous Materials Removal Workers ○ • Supplier Sales ○ <p>Range \$38,020-\$86,430</p>
Registered Apprenticeship “Learn and Earn”	<ul style="list-style-type: none"> • Bricklayer ○ • Carpenter * ○ • Concrete Finisher/Cement Mason * ○ • Construction Craft Laborer * ○ • Construction Electrician * ○ • Environmental Systems Technician & HVAC Installer-Technician ○ 	<ul style="list-style-type: none"> • Glazier ○ • Heat and Frost Insulator • Heavy Equipment Operator/Operating Engineer * ○ • Ironworker * ○ <p>Range \$26,980-\$86,760</p>	<ul style="list-style-type: none"> • Painter and Decorator ○ • Plasterer ○ • Plumber * ○ • Residential Wirer • Roofer and Waterproofer ○ • Sheet Metal Worker ○ • Sprinkler Fitter ○ • Steamfitter ○ • Taper and Finisher • Telecommunications Installer • Tile Setter ○
Post High School Training, Certification, or Technical Diploma or Equivalent Experience	<ul style="list-style-type: none"> • Civil Engineering (CAD) Tech. ○ • Drafting Design Technician • Energy Auditor • Landscape Technician * ○ • Retail/Design Consultant <p>Range \$27,760-\$76,880</p>	<ul style="list-style-type: none"> • Boiler Operator • Cabinet Maker * ○ • Construction Foreman ○ • Rough or Finish Carpenter * ○ • Solar Installer <p>Range \$33,820-\$88,180</p>	<ul style="list-style-type: none"> • Appliance Technician * ○ • Account Clerk ○ • Computer Technician ○ • HVAC Service Technician * ○ • Low Voltage Technician/Electrician <p>Range \$31,380-\$74,660</p>
Associate Degree or Equivalent Experience	<ul style="list-style-type: none"> • Architectural Design/Drafting Tech ○ • Architectural Rendering/Animation • BIM/Revit Technician • Civil Engineering Technician ○ • Cost Estimator ○ • Interior Designer ○ • Plumbing, HVAC, & Electrical Designer • Surveyor ○ <p>Range \$36,330-\$83,130</p>	<ul style="list-style-type: none"> • Assistant Construction Manager * • Construction Foreman * • HVAC Installer-Technician ○ • Project Manager ○ • Sales Representative ○ <p>Range \$44,710-\$126,100</p>	<ul style="list-style-type: none"> • Computer Network Technician ○ • Construction/Building Inspector ○ • Facilities Manager * • Landscape Supervisor <p>Range \$45,980-\$123,040</p>
Bachelor Degree and beyond or Equivalent Experience	<ul style="list-style-type: none"> • Architect ○ • Architectural Designer • BIM Manager • Civil Engineer ○ • Landscape Architect ○ • Structural Engineer ○ • Urban and Regional Planner <p>Range \$48,250-\$153,700</p>	<ul style="list-style-type: none"> • Construction Manager * ○ • Cost Estimator * ○ • Engineering Manager * • Field/Project Engineer • Safety Manager * • Superintendent * <p>Range \$47,320-\$153,700</p>	<ul style="list-style-type: none"> • Accountant ○ • Electrical Engineer ○ • Facilities Manager * • Mechanical Engineer ○ <p>Range \$54,850-\$123,040</p>
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)
 \$ Salary ranges based on average annual entry-level wages through average annual experienced-level wages for the job titles in each box.

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, College Credit Opportunity, Industry Recognized Credential*

Career & Technical Education Courses	<p>Must include a sequence of at least TWO Career and Technical Education courses. Should align with the curriculum standards for the pathway:</p> <ul style="list-style-type: none"> • 1. • 2. • Destination Career Academy virtual course options
Additional Employer Recommended Courses	<p>Should align with the curriculum standards for the pathway:</p> <ul style="list-style-type: none"> •
Career & Technical Student Organization	<ul style="list-style-type: none"> • Skills USA
Work-Based Learning Program Options	<ul style="list-style-type: none"> • Employability Skills (90 hours) • State Skill Standards Co-Op-Construction (480 hours/1 year) • Youth Apprenticeship- Architecture & Construction (450 hours/year; 1-2 years) • Local Work-based Learning Programs that meet state quality requirements
College Credit Opportunities	<p>You can find the list of college credit opportunities included in the postsecondary options for this pathway HERE.</p>

Career Exploration Programs
<p>State:</p> <ul style="list-style-type: none"> • Class speaker: WI Sheet Metal & Steamfitters • Focus on Energy Career Exploration & Resources • Videos/Speaker: www.BuildYourCareerWI.org • We Build Wisconsin <p>Regional:</p> <ul style="list-style-type: none"> • Big Step (WRTP) Summer Construction Academy • Inspire Madison Region (Profiles & Career Development Activities) • Madison College Career Discovery Camps • UW Madison Engineering Outreach Programs • UW-Madison Engineering Summer Program • Badger Pre-College Online • UW Platteville Youth Programs • Camp Tech Trek (swtc.edu) • Urban League Youth Programs • Hip Hop Architecture Camp • Future Quest • BOSS • NCARB & AIA • UW-M & SARUP <p>Local:</p>

<p>Industry Recognized Credential Options</p> <p>Learn the skills that employers want to see!</p> <p><i>Italics = must be 18 years old to obtain Employment of Minors Laws: Manufacturing and Construction Equipment</i></p> <p><i>*This certification is eligible for district reimbursement through the technical incentive grant</i></p>	Design/Pre-Construction	General Construction/Skilled Trades	Post-Construction/Maintenance/Operations
	<ul style="list-style-type: none"> • Autodesk Certified User <ul style="list-style-type: none"> • Autodesk AutoCAD* • Autodesk Inventor- Imperial or Metric* • Autodesk REVIT- Imperial or Metric* • Autodesk Maya* • Autodesk 3dsMax* • Autodesk Fusion 360 • Bluebeam Revu • Building Information Modeling/Virtual Construction Manager 	<ul style="list-style-type: none"> • American Welding Society (AWS) (Level I SENSE/Entry Welder)* • Career Connections/Level 3* • Certification of Crane Operators • HVAC Excellence: ANY Employment Ready Certification* • International Carpenters Training Fund: Career Connections – Level 3 Certificate* • National Center for Construction Education & Research (NCCER): ANY Specialty, including Core Curriculum* • North American Technician Excellence (NATE): HVAC Support Technician* • North American Building Trades Council (NABTU): Multi-Craft Core Curriculum(MC3)* • OSHA Aerial and Scissor Lift Training • OSHA Forklift Certification • Snap-On: Precision Measurement Instruments (PMI)* Or any TWO other certifications* • Solar Installer Certification • SolidWorks: Certified SolidWorks Associate (CSWA)-Academic* or Certified SolidWorks Professional (CSWP)* • Wisconsin Department of Motor Vehicles: Commercial Driver License (CDL)* • Woodwork Career Alliance: Sawblade* 	<ul style="list-style-type: none"> • OSHA 10 or 30 • Certificate of Global Competence (DPI) • First Aid/CPR • Seal of Biliteracy (DPI) • Wisconsin Drivers License

Add your district logo here!

Architecture and Construction Career Pathway at <Name of 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.

Career and Technical Education Courses	<ul style="list-style-type: none"> • CTE Course #1 • CTE Course #2 	Start creating your professional network through CAREER EXPLORATION OPPORTUNITIES. Record your experiences in XELLO.	
Other Recommended Courses	<ul style="list-style-type: none"> • Course #1 • Course #2 	State: <ul style="list-style-type: none"> • Program Name/link #1 • Program Name/link #2 Regional: <ul style="list-style-type: none"> • Program Name/link #1 • Program Name/link #2 Local: <ul style="list-style-type: none"> • Program Name/link #1 • Program Name/link #2 	
Career and Technical Student Organization	<ul style="list-style-type: none"> • Name of CTSO 		
Work-Based Learning Options	<ul style="list-style-type: none"> • WBL Option #1 • WBL Option #2 		
Industry Recognized Credential Options Learn the skills that employers want to see! <i>Italics = must be 18 years old to obtain</i> Employment of Minors Laws: Manufacturing and Construction Equipment <i>*This certification is eligible for reimbursement through the technical incentive grant</i>	Design Pre-Construction	General Construction Skilled Trades	Post-Construction/Maintenance/Operation
	IRC Name/link #1 IRC Name/link #2		
	IRC Name/link #1 IRC Name/link #2 IRC Name/link #3 IRC Name/link #4	IRC Name/link #1 IRC Name/link #2 IRC Name/link #3 IRC Name/link #4	IRC Name/link #1 IRC Name/link #2 IRC Name/link #3 IRC Name/link #4
College Credit Opportunities	College Courses Offered at Your High School		
	Transcripted Credit <ul style="list-style-type: none"> • Name of HS Course #1, IHE granting credit • Name of HS Course #2, IHE granting credit 	AP and/or IB Courses Name of AP/IB Course #1 - Score, College, Course - Score, College, Course	Name of AP/IB Course #2 - Score, College, Course - Score, College, Course
	College Courses You Can Take at a College Campus		
Application Deadlines:			
October 1st: Spring Courses February 1st: Summer Courses (ECCP only) March 1st: Fall Courses			
Start College Now <ul style="list-style-type: none"> • Name of College #1, College Course #1 • Name of College #2, College Course #1 	Early College Credit Program - Name of College #1, College Course #1 - Name of College #2, College Course #1		
	- Name of College #1, College Course #2 - Name of College #2, College Course #2		