



Architecture & Construction Career Pathway

NEW North

Bonduel 2023-2026



EXPLORE: Click on the the job title links that seem most interesting to you to learn more about! 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. *Note: In the Architecture and Construction Industry, experience can be equally as important as a degree! Many entry level general laborer positions are available in residential, commercial, road building, and industrial settings.*

Educational Level May also require work experience	Design/Pre-Construction	General Construction/Skilled Trades	Post-Construction/Maintenance/Operation
High School Diploma, Certification	Landscaper ● Sales Representative ● Range \$ 30,500-91,500	Construction Laborer * ● Range \$ 29,700-72,430	Hazardous Materials Removal Workers ● Range \$ 32,900-81,100
Registered Apprenticeship (Earn While You Learn)	Bricklayer ● Carpenter * ● Concrete Finisher and Cement Mason * ● Construction Craft Laborer * ● Construction Electrician * ● Environmental Systems Technician and HVAC Installer-Technician ● Glazier ● Heat and Frost Insulator Heavy Equipment Operator and Operating Engineer ● Ironworker ● Painter and Decorator ● Plasterer ● Plumber * ● Residential Wirer Roofer and Waterproofor ● Sheet Metal ● Sprinkler Fitter ● Steamfitter ● Taper and Finisher Tile Setter ● Range \$43,300-82,500		
Certification or Technical Diploma	Drafting Design Technician Range \$37,800-86,200	Cabinet Maker ● Boiler Operator ● Rough or Finish Carpenter * ● Construction Foreman ● Solar Installer Range \$38,200-95,300	Appliance Technician ● Account Clerk ● Computer Technician ● Range \$32,300-76,100
Associate Degree	Civil Engineering Technician ● Surveyor ● Interior Designer ● Cost Estimator ● Range \$38,800-103,700	Project Manager ● Range \$56,700-135,300	Landscape Supervisor Computer Network Technician ● Construction/Building Inspector ● Range \$39,800-99,900
Bachelor Degree and Beyond	Architect ● Civil Engineer ● Landscape Architect ● Urban and Regional Planner ● Range \$51,300-129,600	Engineering Manager Safety Manager Company Owner ● Construction Manager ● Range \$68,800-177,300	Facilities Manager Accountant ● Mechanical Engineer ● Electrical Engineer ● Range \$58,800-153,750
Postsecondary Options	Click HERE for Postsecondary Options	Click HERE for 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)



Architecture and Construction Career Pathway at Bonded 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"> Introduction to Drafting Residential Wiring Materials and Processes Furniture Design 			Start creating your professional network through CAREER EXPLORATION OPPORTUNITIES. Record your experiences in XELLO.
Other Recommended Courses	<ul style="list-style-type: none"> Engineering Research and Development Vocational Math A & B 			<u>State:</u> <ul style="list-style-type: none"> Regional: Local:
Career and Technical Student Organization	<ul style="list-style-type: none"> Skills USA 			
Work-Based Learning Options	<ul style="list-style-type: none"> Youth Apprenticeship 			
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 *This certification is eligible for reimbursement through the technical incentive grant	Design Pre-Construction	General Construction Skilled Trades	Post-Construction/Maintenance/Operation	
College Credit Opportunities	College Courses Offered at Your High School			
You can find the list of college credit opportunities for this pathway HERE . You can find the postsecondary options for this pathway HERE .	Transcripted Credit <ul style="list-style-type: none"> Architectural Drafting and Design CADD and Blueprint Reading Construction (Intro to Carpentry) 		AP and/or IB Courses	
	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		Early College Credit Program	