



Architecture and Construction

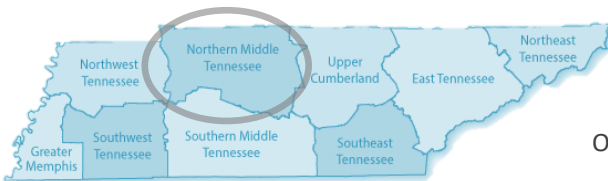
National Career Clusters Pathway ♦ Construction



Regional Career Opportunities – Listed by Highest Projected Demand



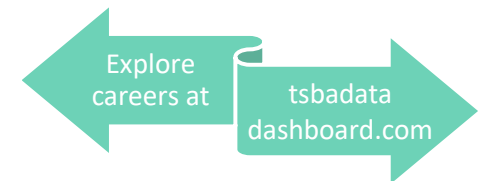
Job Zone 1 High School Diploma or Less	Job Zone 2 High School Diploma	Job Zone 3 Certificate or Associate's Degree	Job Zone 4 Bachelor's Degree	Job Zone 5 Master's or Doctorate Degree
Cement Masons & Concrete Finishers Annual Openings = 117 Median Wage = \$39,108	Construction Laborers Annual Openings = 1121 Median Wage = \$30,603	Electricians Annual Openings = 582 Median Wage = \$45,173	Construction Managers Annual Openings = 235 Median Wage = \$73,169	<i>Few regional occupations in this pathway require education at this degree level.</i>
Conveyor Operators & Tenders Annual Openings = 29 Median Wage = \$26,564	Carpenters Annual Openings = 532 Median Wage = \$41,372	Plumbers, Pipefitters & Steamfitters Annual Openings = 327 Median Wage = \$46,955	<i>Few regional occupations in this pathway require education at this degree level.</i>	
<i>Few regional occupations in this pathway require education at this degree level.</i>	Operating Engineers & Other Construction Equipment Operators Annual Openings = 253 Median Wage = \$37,722	Structural Metal Fabricators & Fitters Annual Openings = 74 Median Wage = \$32,165		
	Painters, Construction & Maintenance Annual Openings = 200 Median Wage = \$35,711	Crane & Tower Operators Annual Openings = 48 Median Wage = \$39,484		
	Helpers - Electricians Annual Openings = 141 Median Wage = \$31,207	<i>Few regional occupations in this pathway require education at this degree level.</i>		



★ Top five high-value occupations in this pathway for the Northern Middle Tennessee Region

Occupations with the highest annual openings that are stable or growing with median wages above \$35,000 are considered high-value.

* State level data was used due to limitations in regional data.





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Regional High School Requirements and Programs (Grades 9-12)

English Language Arts	Math	Science	Social Studies	Foreign Language	Physical Education	Fine Arts	Elective Focus
English I	Integrated I	Biology	World History and Geography	Foreign Language I	Lifetime Wellness	Fine Arts Selection	Minimum of Three Courses <i>See career programs and electives below.</i>
English II	Integrated II	Chemistry	U.S. History and Geography	Foreign Language II	Physical Education (.5)	-----	
English III	Integrated III	Physics	Economics / Government	-----	-----	-----	One Additional Elective is Required
English IV	Upper Level Math	-----	Personal Finance (.5)	-----	-----	-----	

Career Programs	Career Program Courses	Additional Electives	Regional Postsecondary Schools	
<input type="checkbox"/> Residential & Commercial Construction <input type="checkbox"/> Mechanical, Electrical, and Plumbing (MEP Systems) <i>See other Architecture and Construction pathways for additional career programs and opportunities.</i>	<input type="checkbox"/> Career Exploration <input type="checkbox"/> Fundamentals of Construction <input type="checkbox"/> Residential and Commercial Construction I & II <input type="checkbox"/> Mechanical, Electrical, & Plumbing Systems (MEP Systems) <input type="checkbox"/> HVAC <input type="checkbox"/> Electrical Systems <input type="checkbox"/> Plumbing Systems <input type="checkbox"/> Work-Based Learning / Practicum	English Language Arts <input type="checkbox"/> _____ <input type="checkbox"/> _____ Math <input type="checkbox"/> _____ <input type="checkbox"/> _____ Science <input type="checkbox"/> _____ <input type="checkbox"/> _____ Other <input type="checkbox"/> _____ <input type="checkbox"/> _____	Certificates and Associate's Degrees Community Colleges <ul style="list-style-type: none"> Motlow State Community College Tennessee College of Applied Technology Nashville State Community College 	Bachelor's and Advanced Degrees Colleges and Universities <ul style="list-style-type: none"> Middle Tennessee State University Tennessee State University University of Tennessee Vanderbilt University

Postsecondary Programs/Majors for Occupations in this Pathway

Certificate or AA	Electrician	Plumbing and Related Water Supply Services	Metal Fabricator	Mobile Crane Operation	Masonry
Bachelor's Degree	Construction Management	***	***	***	***
Advanced Degree	***	***	***	***	***

*** Few regional occupations in this pathway require education at this degree level.