

# Green Construction Career Ladder

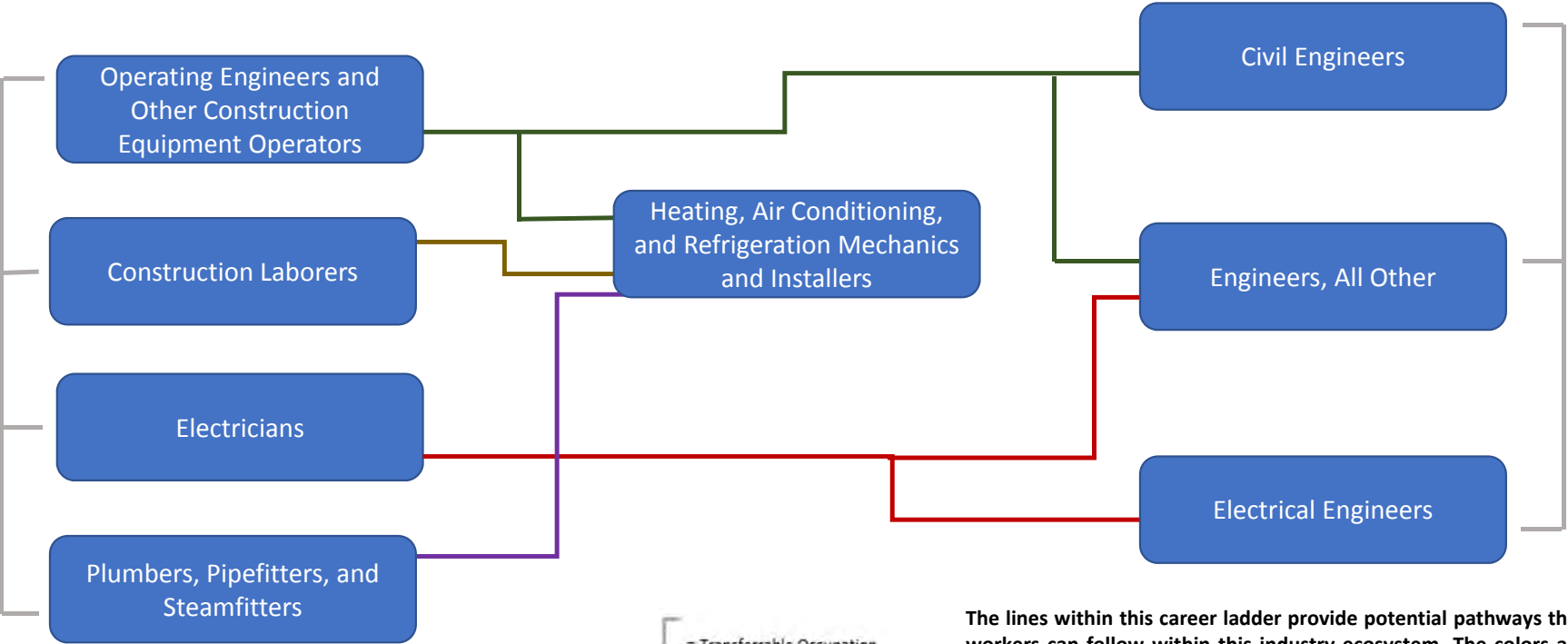
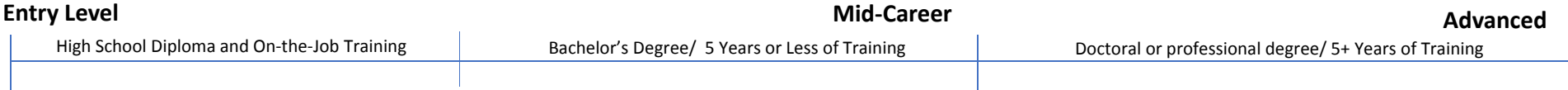


Prepared by AdvanceCT and Thomas P. Miller & Associates

To increase job opportunities in Connecticut's green technology sector, lower energy costs, improve energy efficiency and promote sustainability, the Office of Workforce Competitiveness, in consultation with other agencies, created a green jobs career ladder. This ladder is designed to link green jobs employers with technical education and career schools and institutions of higher education to foster coordination and grow the workforce in the sector.

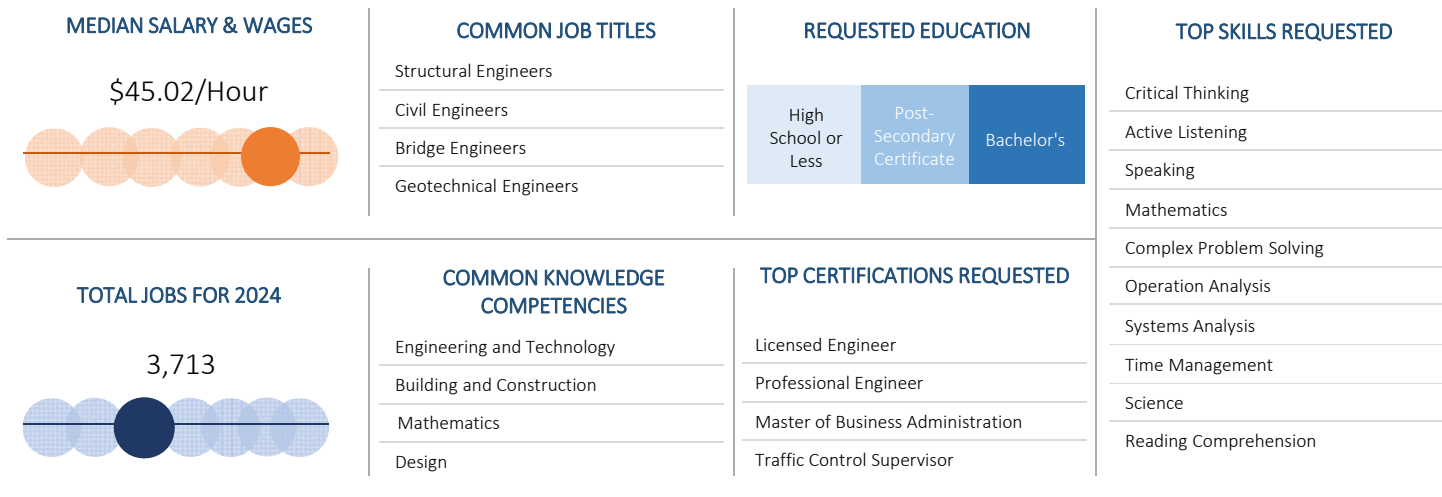
The green jobs ladder includes components such as the scope of the industry and various occupations included, the skills and knowledge needed to succeed in those occupations, and the professional opportunities available at the entry, mid-career and advanced levels, along with the current salary ranges for each. To maintain this ladder as a comprehensive and useful resource for the green technology industry and its educational partners, it will be updated periodically as needed.

# Green Construction Career Ladder

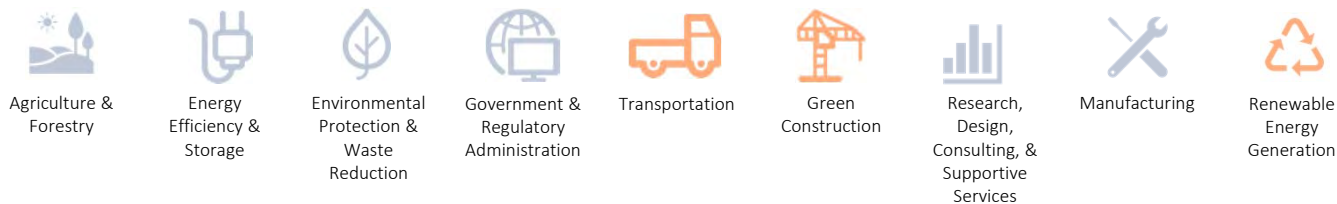


The lines within this career ladder provide potential pathways that workers can follow within this industry ecosystem. The colors are simply to differentiate one pathway option from the other.

# Civil Engineers Occupational Profile

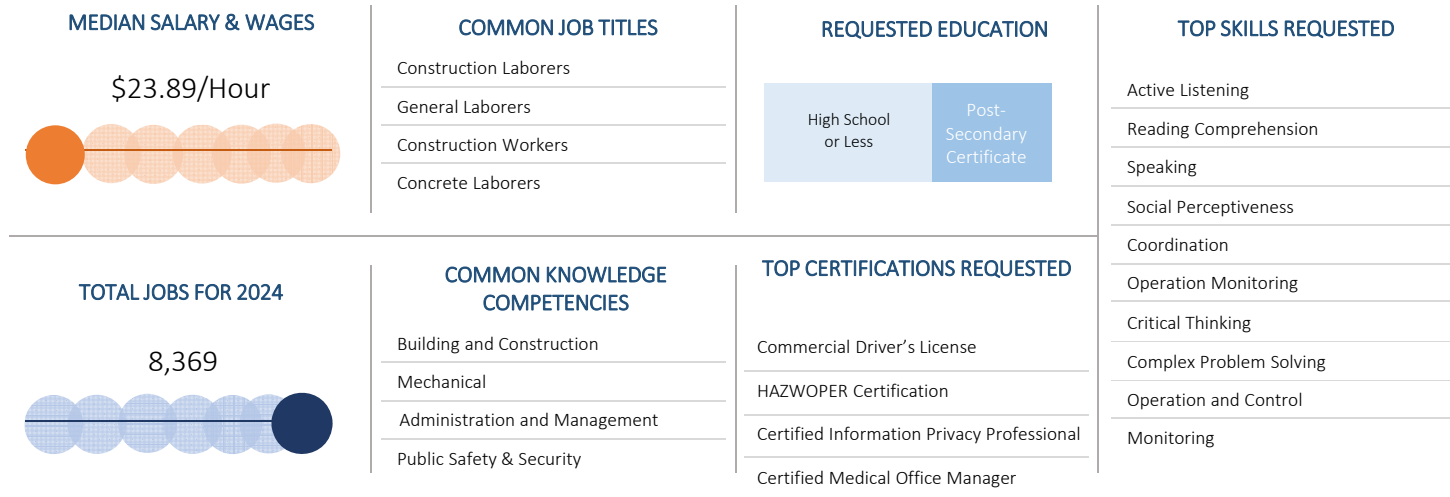


## SIMILAR INDUSTRIES




 Indicates an especially close similarity

# Construction Laborers Occupational Profile

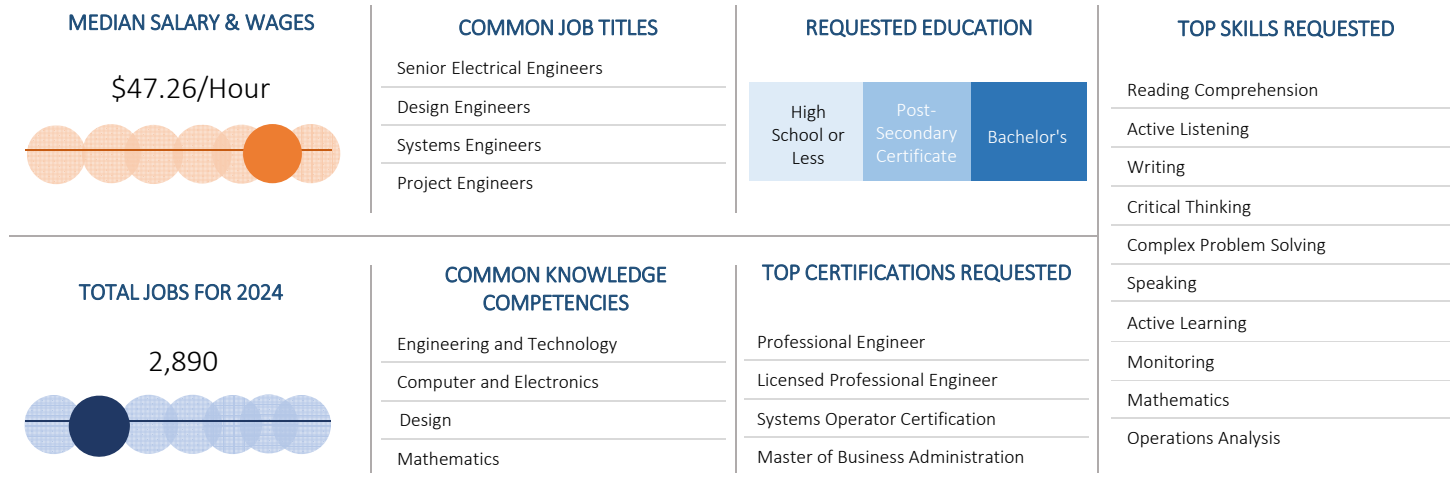


## SIMILAR INDUSTRIES

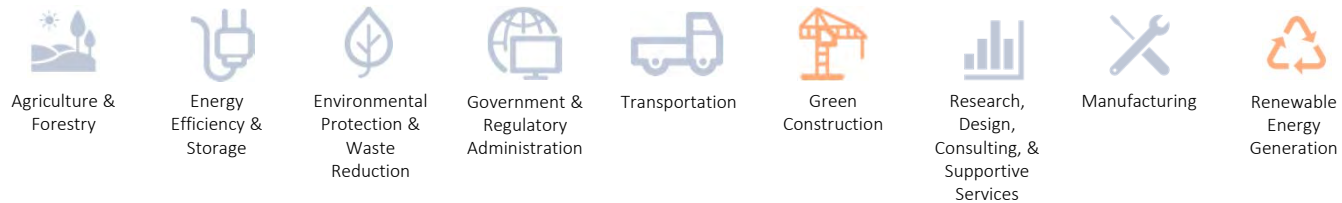



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# Electrical Engineers Occupational Profile

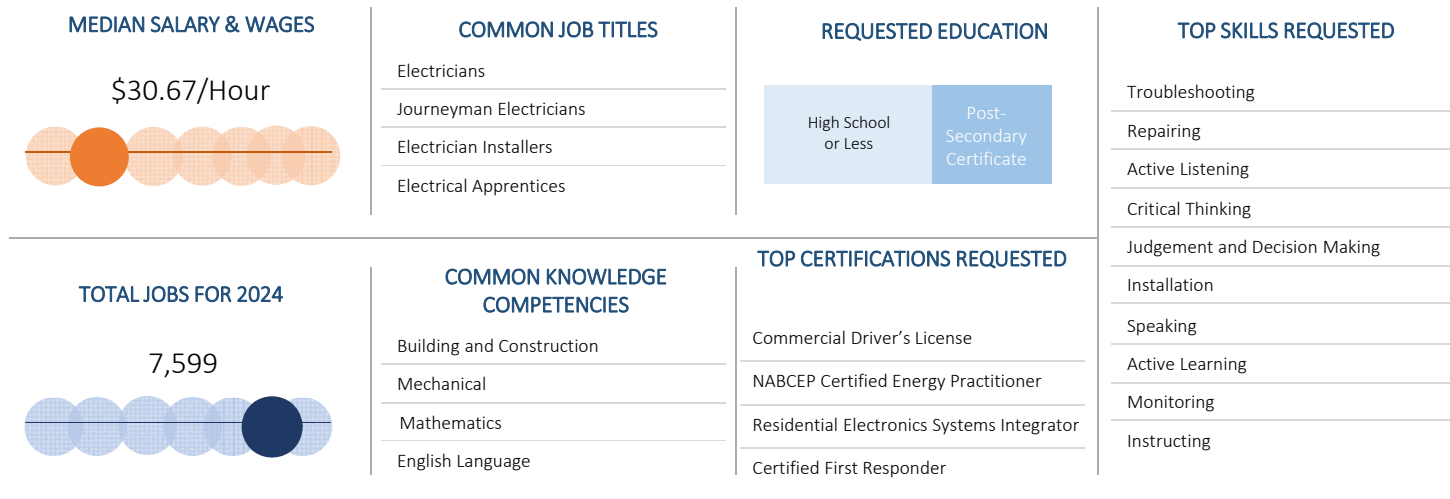


## SIMILAR INDUSTRIES



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# Electricians Occupational Profile



## SIMILAR INDUSTRIES

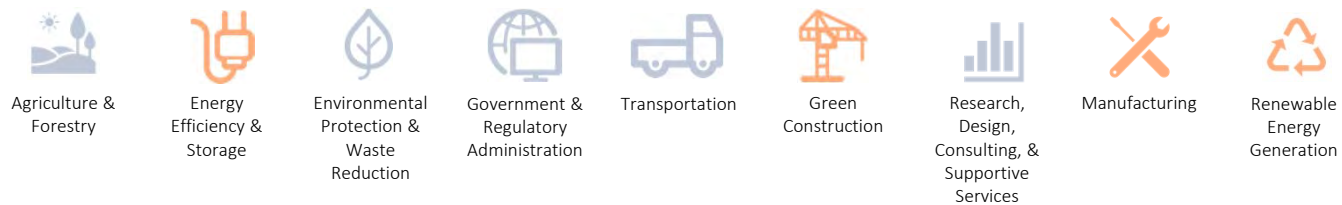



Indicates an especially close similarity

# Engineers, All Other Occupational Profile



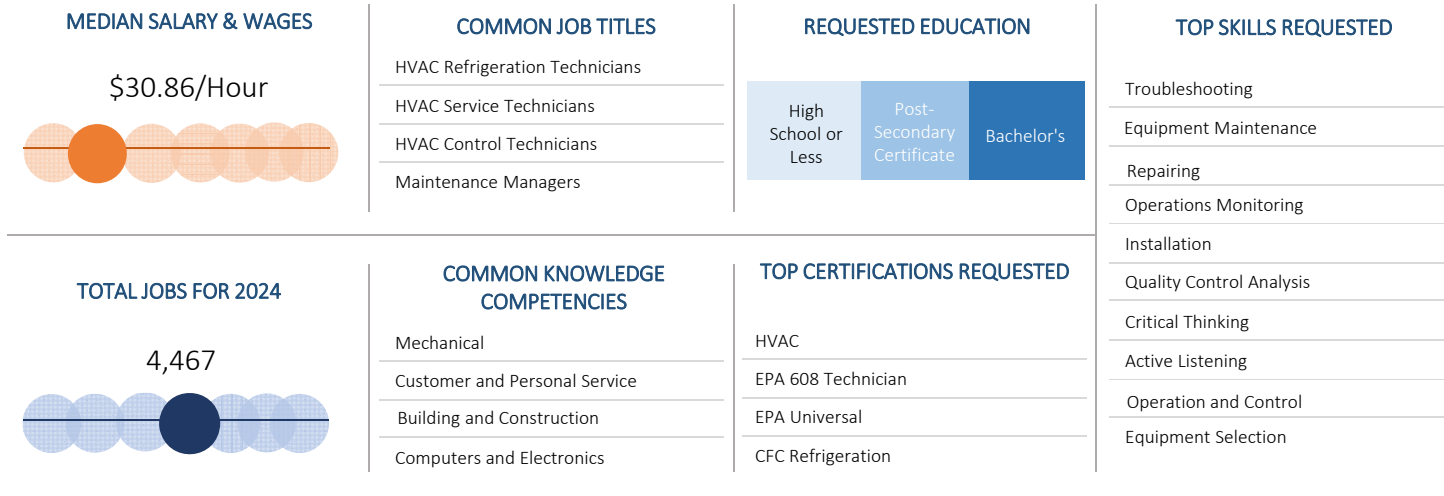
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# Heating, Air Conditioning, and Refrigeration Mechanics and Installers Occupational Profile



## SIMILAR INDUSTRIES

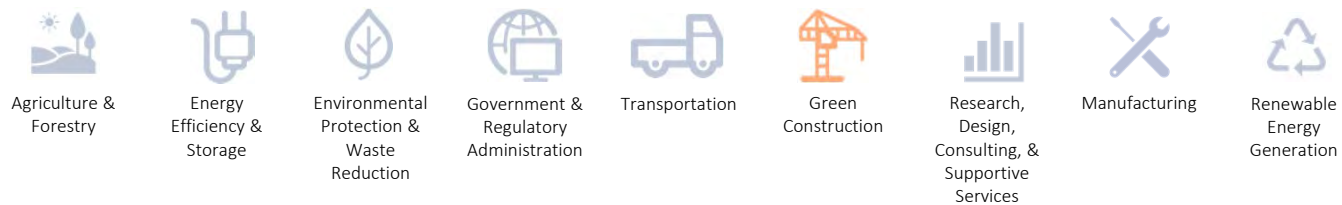


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# Operating Engineers and Other Construction Equipment Occupational Profile

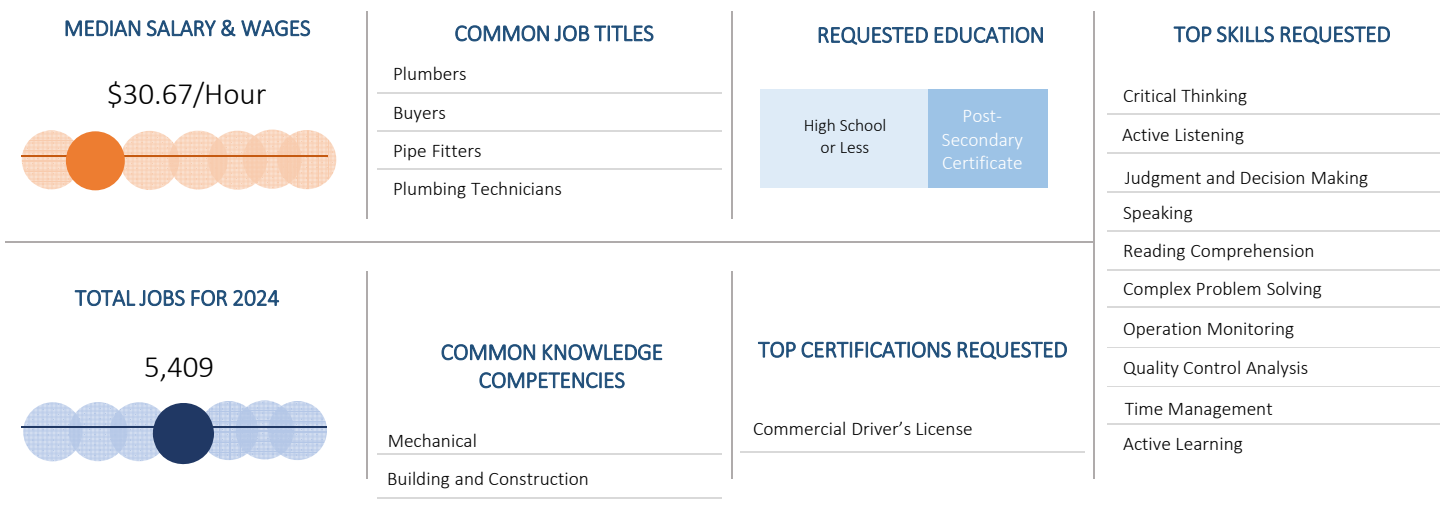


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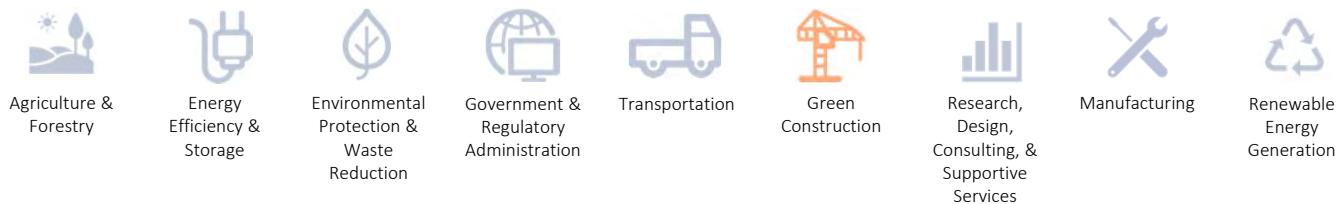


Indicates an especially close similarity

# Plumbers, Pipefitters, and Steamfitters Occupational Profile



## SIMILAR INDUSTRIES



Indicates an especially close similarity

# Education & Training Institutions Offerings

Civil Engineers	Electrical Engineers	Electricians	Energy Engineers
<p>Capital Community College            Central Connecticut State University            Quinnipiac University            United States Coast Guard Academy            University of Connecticut, Storrs Campus            University of Hartford            University of New Haven</p>	<p>Advanced Electrical Services, Inc.            Dominion Nuclear Connecticut Inc- Apprenticeship            Dubaldo Electric Co            Eversource (Convex Operating Group)- OJT            Fairfield University            Griffin Electrical Contractors, Inc.            Haskins Electric, LLC            National Electrical Contractors Associates NECA &amp; Local 90 JATC            Ray Brown Electric, LLC            Sacred Heart University            Trinity College            United States Coast Guard Academy            University of Bridgeport            University of Connecticut, Storrs Campus            University of Hartford            University of New Haven            Yale University</p>	<p>Able Electric Company            ADTECH Systems Inc            Alarm Security Protection Co., Inc.            All Current Electric, LLC            CE Electrical Contractors Inc.            Champion Electric            Construction Education Center, Inc.            Donnelly Security            DuBaldo Security Systems, Inc.            Equipment Unlimited            General Dynamics Electric Boat Division            Globe Electric, LLC (Apprenticeship)            IBEW Local 488 JATC            Integrated Security Solutions, LLC            Jamco Electric            Lincoln Technical Institute            Lincoln Technical Institute (Lincoln Culinary Institute)            New England Technical Institute            Porter and Chester Institute            Porter and Chester Institute of Hamden            State-Wide Electric, Inc.            The NY-Conn Corporation            Tranmer Electric, LLC.</p>	<p>Capital Community College            Manufacturing Alliance Service Corporation, Inc.            Three Rivers Community College            Trinity College            University of Connecticut, Storrs Campus            University of Hartford            University of New Haven</p>

# Education & Training Institutions Offerings

Heating & Air Conditioning Mechanics & Installers	Pipe Fitters & Steamfitters	Plumbers
<p>AAA Refrigeration            AGS HVAC Services            Air Temp Residential Heating &amp; Cooling, Division of Electrical Connection Inc.            Air TempMechanical Services            Arbor Energy            B T Lindsay &amp; CO Inc.            Bristol Technical Education Center            Construction Education Center, Inc.            Cordone &amp; Tonucci Plumbing, Heating and Maintenance Contractors, Inc.            CT Plumbers &amp; Pipe Fitters UA LU 777JACT            Devine Bros., Inc            Industrial Management &amp; Training Institute            Lennox National Account Services            Lincoln Technical Institute            New England Mechanical Services, INC.            New England Technical Institute            Nutmeg Mechanical Services, Inc.            Otto Company AKA The Otto Company            Porter and Chester Institute            Porter and Chester Institute of Hamden            R.A. Levine Company            Thomaston Comfort Control, Inc.            Wilcox Energy</p>	<p>Industrial Management &amp; Training Institute            General Dynamics Electric Boat Division</p>	<p>Construction Education Center, Inc.            Cordone &amp; Tonucci Plumbing, Heating and Maintenance Contractors, Inc.            CT Plumbers &amp; Pipe Fitters UA LU 777JACT            Hart Mechanical Inc.            HDM Services            J.H. Barlow Pump and Supply, Inc.            Macri Associates Inc.            New England Mechanical Services, INC.            Otto Company AKA The Otto Company            Porter and Chester Institute            Porter and Chester Institute of Hamden            R.M. Macy Plumbing and Heating LLC</p>

# Glossary

**ABILITIES** – the proficiency, skills, or talent within a particular area.

**CAREER PATHWAY** – a career pathway means a combination of relevant, rigorous and high-quality education, training, and supportive services that aligns both vertically and horizontally across Secondary Education, Adult Basic Education, Workforce Training and Development, Career and Technical Education, and Postsecondary Education systems, pathways, and programs.

**CERTIFICATION** – third party accrediting or authorizing agency or person who assess, verifies, and provides an official documentation that attests a level of achievement.

**COMPETENCIES** – an individual’s ability to do a job properly through a set of behaviors.

**INDUSTRY-ALIGNED CREDENTIAL** – credentials whose standards are aligned to industry-recognized standards.

**INDUSTRY-ENDORSED CREDENTIAL** – credentials whose standards are aligned to and endorsed by industry.

**INDUSTRY-RECOGNIZED CREDENTIAL** – an industry-recognized credential is one that either is developed and offered by, or endorsed by a nationally-recognized industry association or organization representing a sizeable portion of the industry sector, or a credential that is sought or accepted by companies within the industry sector for purposes of hiring or recruitment which may include credentials from vendors of certain products.

**KNOWLEDGE** – the skills and information acquired through education or experience.

**MEDIAN HOURLY EARNINGS** – hourly earnings for the occupation reported at the 50th percentile.

**REQUESTED EDUCATION** – the highest level of education for workers within the given occupational category. Please note these are not the level of education of new incoming workers but of workers currently employed within these positions.

**SKILLS** – the ability or expertise to do something well.

**TOTAL JOBS** – estimated number of jobs in the given year, taken as average over a period of 12-months. This value includes both full- and part-time jobs.