

Energy Efficiency & Storage Ladder

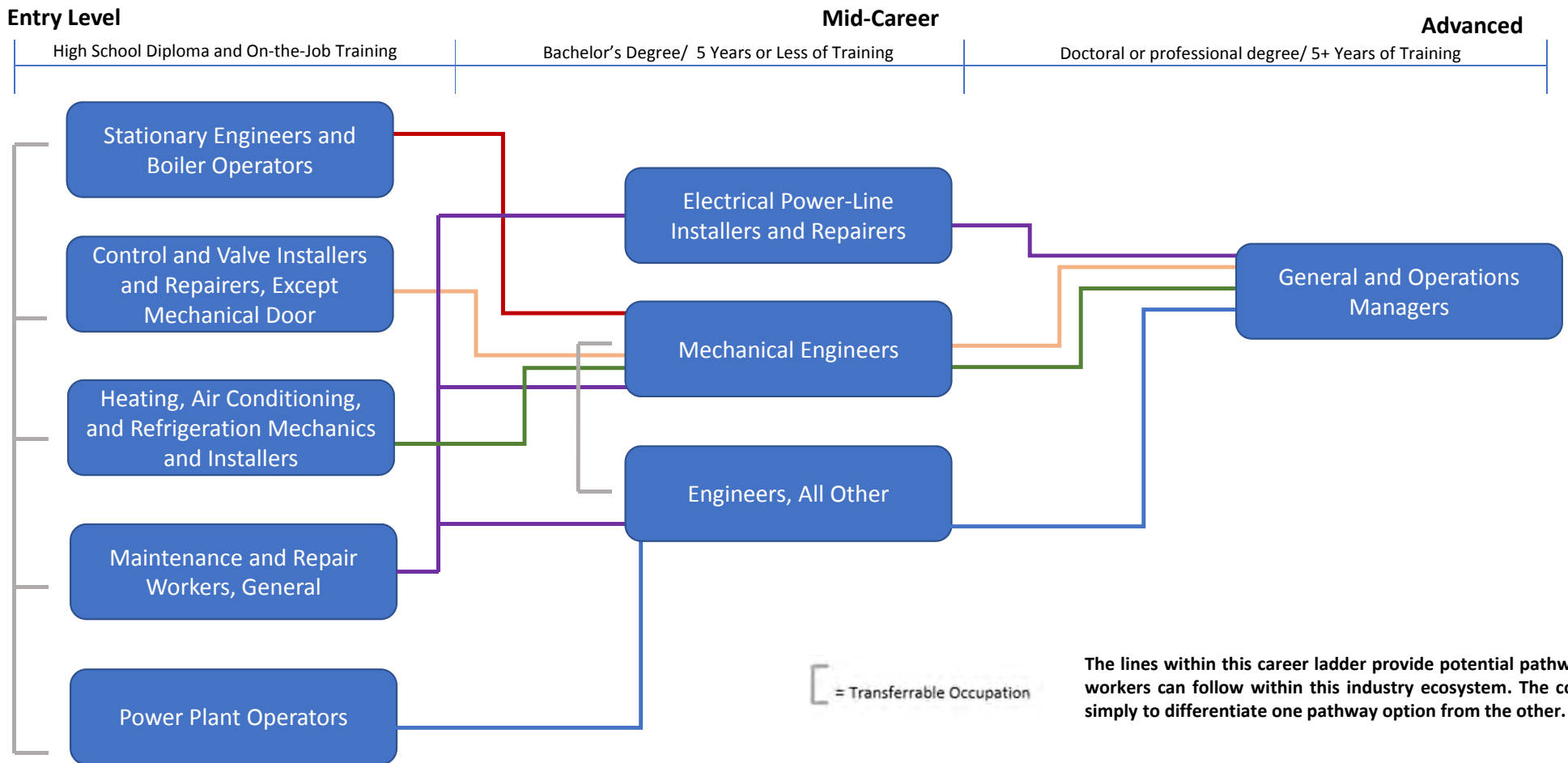


Prepared by AdvanceCT and Thomas P. Miller & Associates

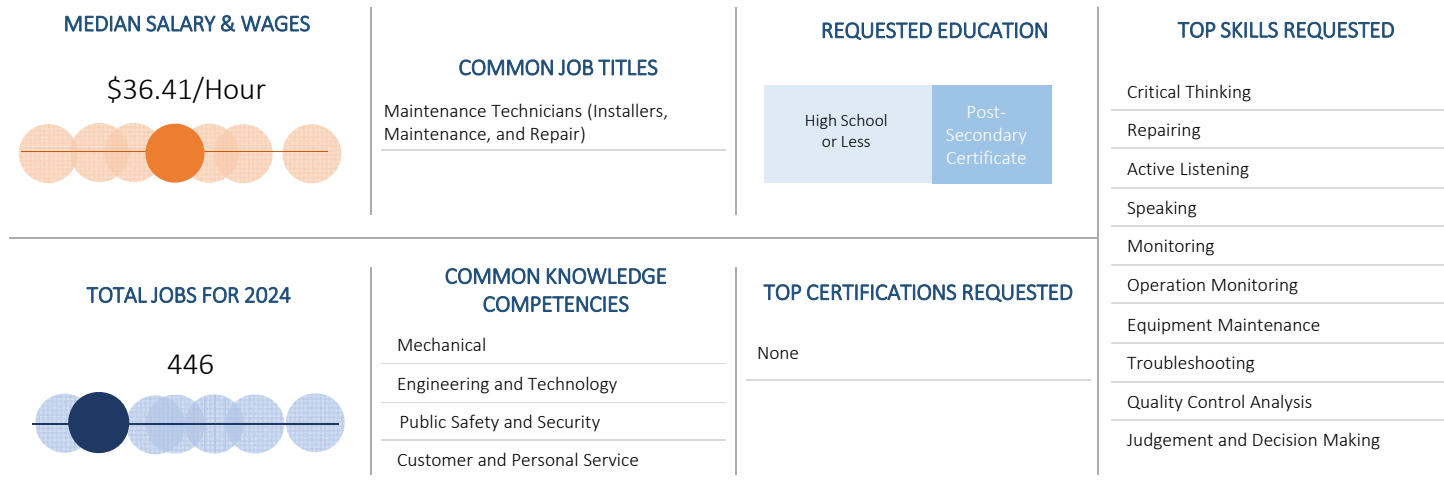
To increase job opportunities in Connecticut's green technology sector, lower energy costs, improve energy efficiency and promote sustainability, the Office of Workforce Competitiveness, in consultation with other agencies, created a green jobs career ladder. This ladder is designed to link green jobs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

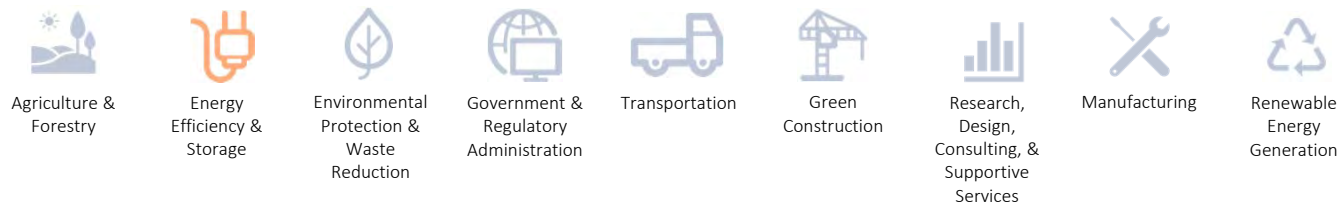
Energy Efficiency and Storage Career Ladder



Control and Valve Installers and Repairers, Except Mechanical Door Occupational Profile

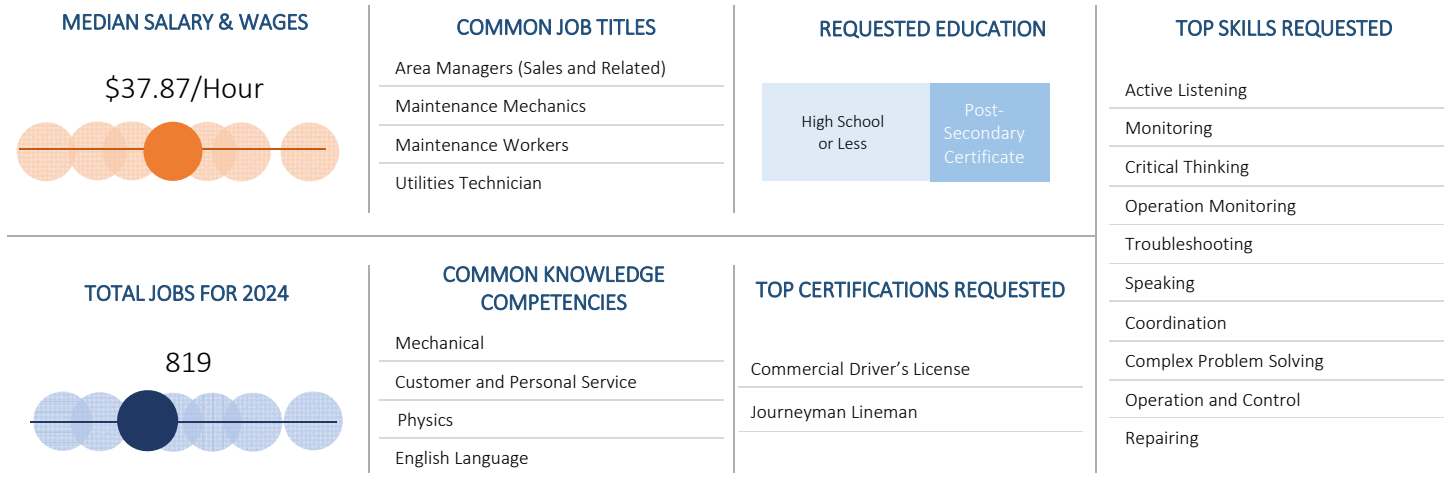


SIMILAR INDUSTRIES

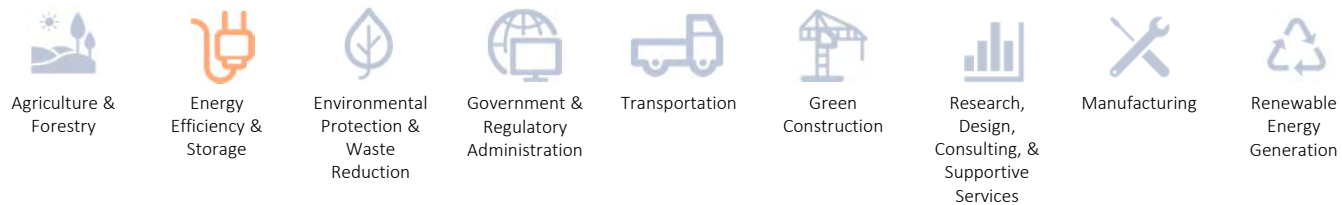


Indicates an especially close similarity

Electrical Power-Line Installers and Repairers Occupational Profile

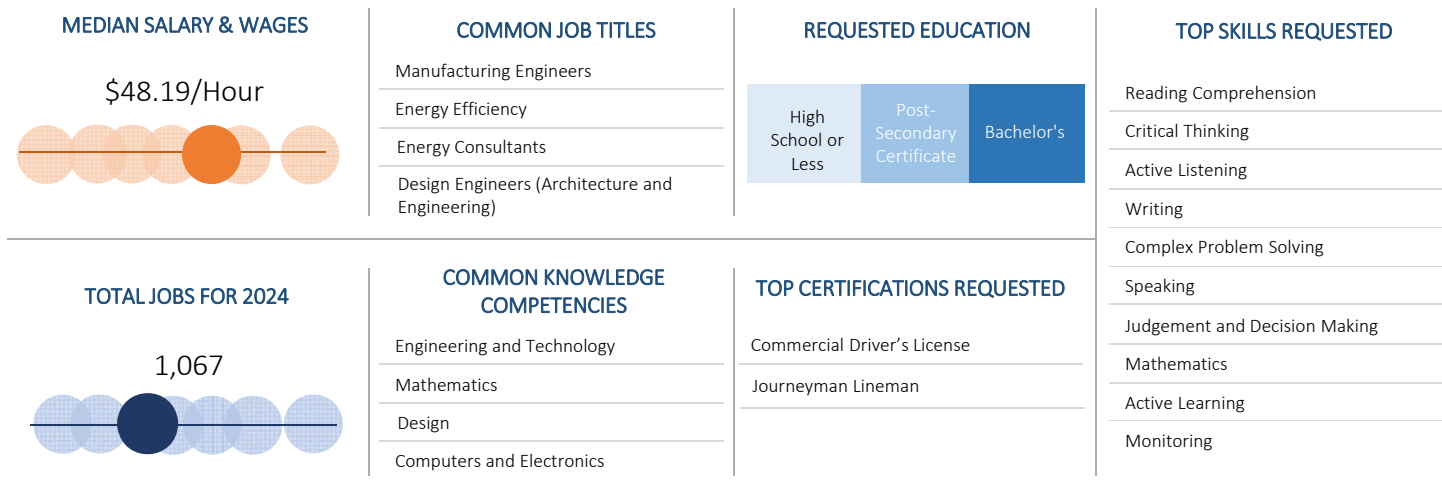


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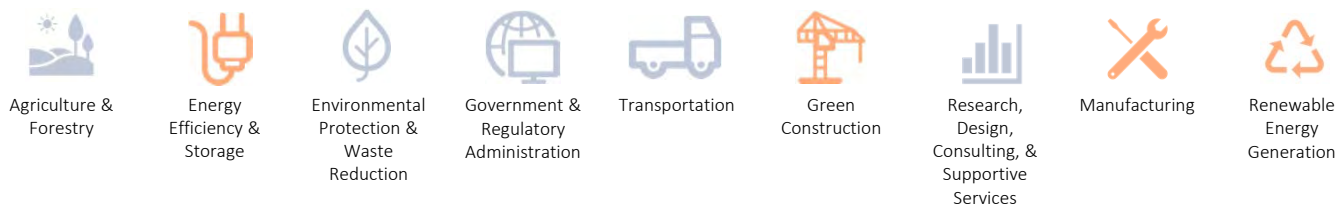


Indicates an especially close similarity

Engineers, All Other Occupational Profile



SIMILAR INDUSTRIES

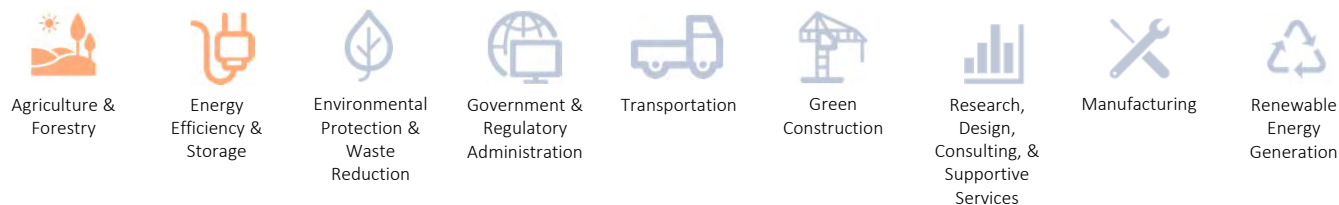


 Indicates an especially close similarity

General and Operations Managers Occupational Profile

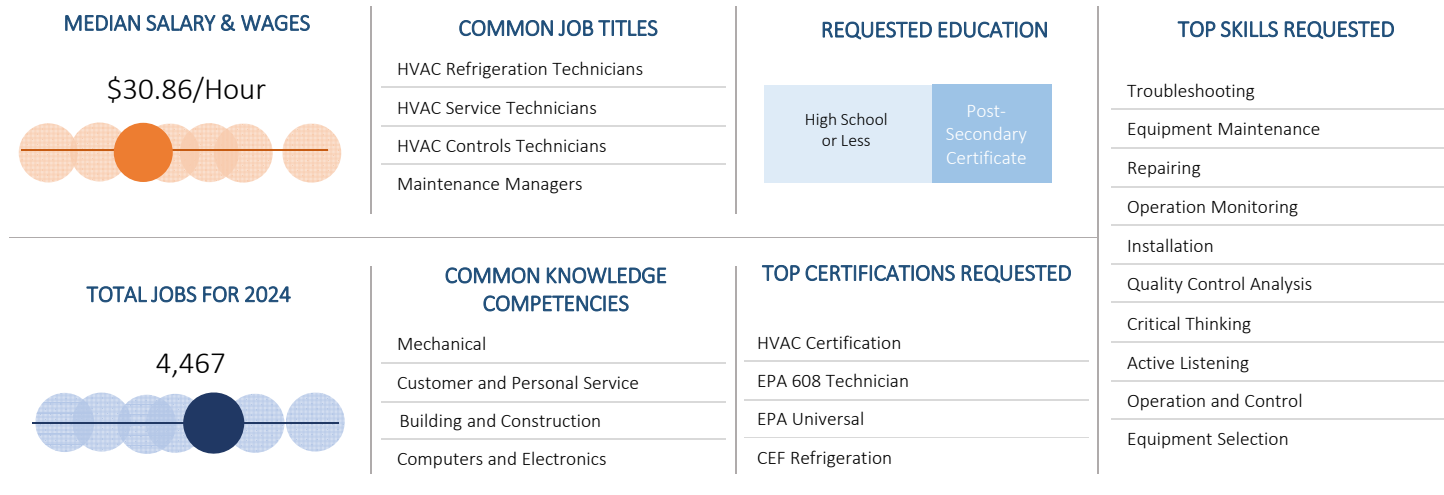


SIMILAR INDUSTRIES



 Indicates an especially close similarity

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

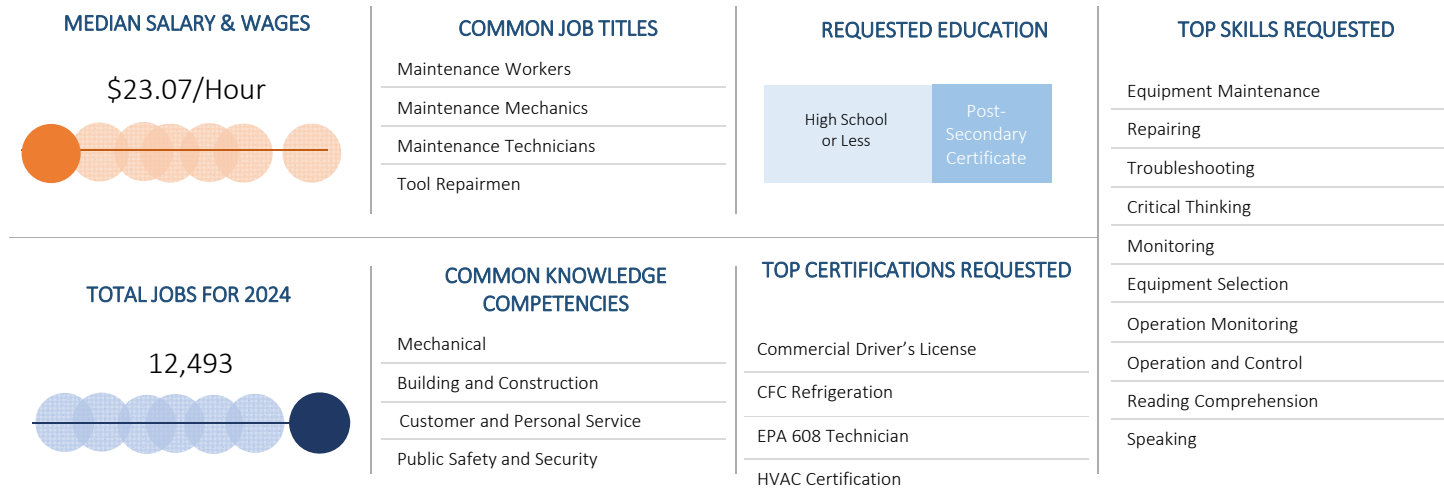


SIMILAR INDUSTRIES




 Indicates an especially close similarity

Maintenance and Repairer Workers, General Occupational Profile

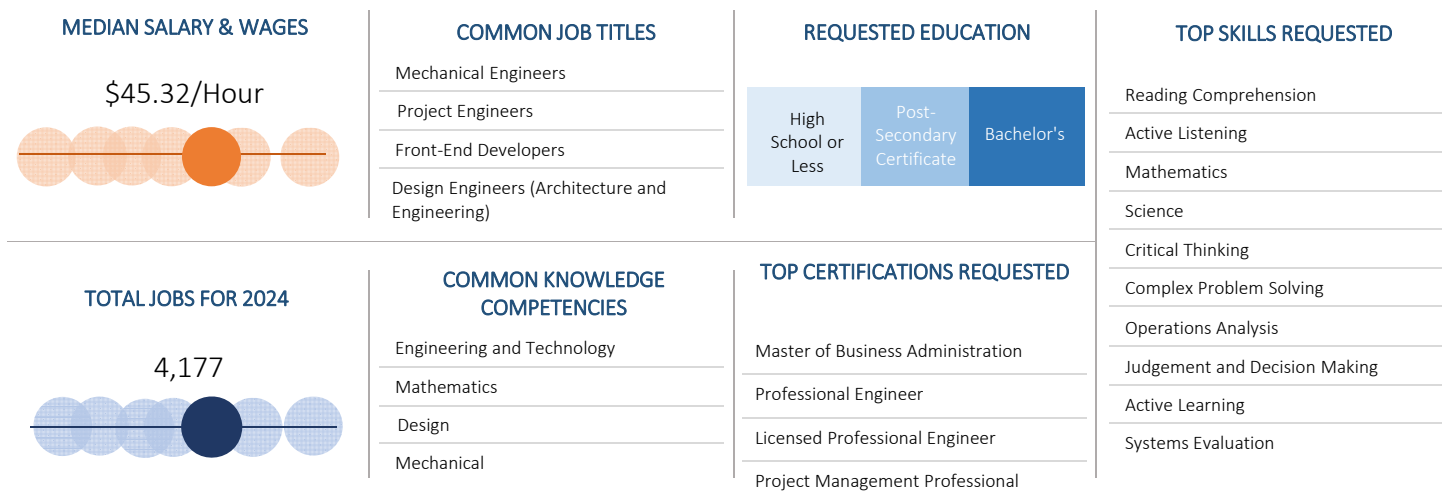


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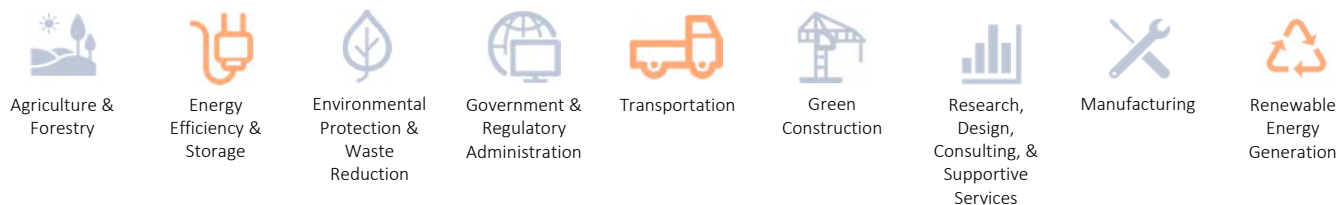


 Indicates an especially close similarity

Mechanical Engineers Occupational Profile



SIMILAR INDUSTRIES












 Indicates an especially close similarity

Power Plant Operators Occupational Profile

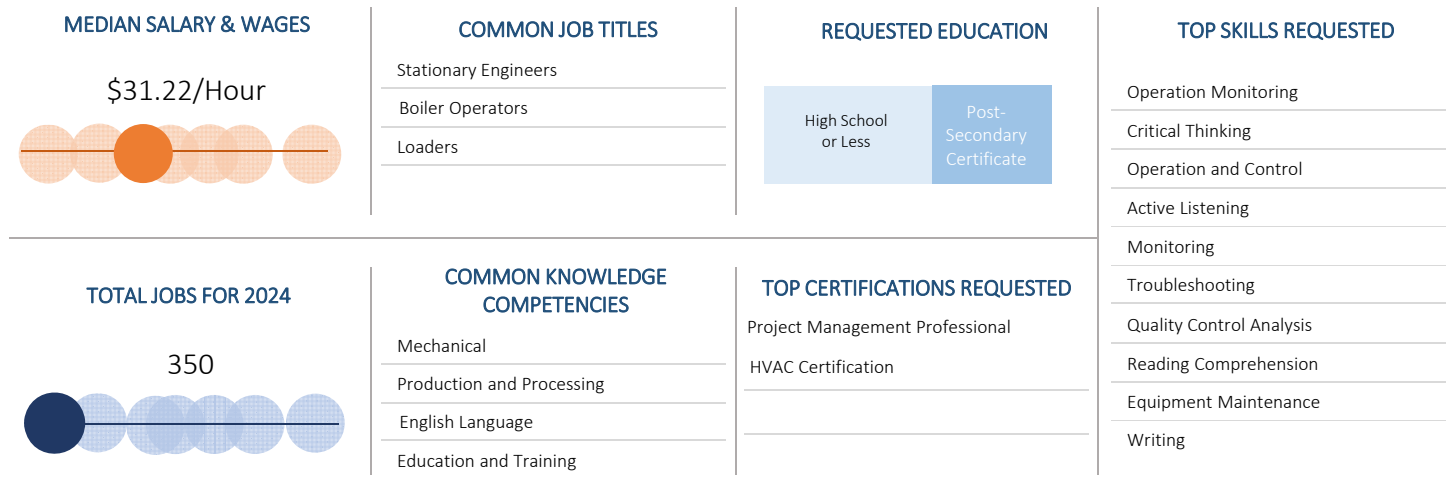
<p>MEDIAN SALARY & WAGES</p> <p>\$37.28/Hour</p>	<p>COMMON JOB TITLES</p> <ul style="list-style-type: none"> Plant Operators Control Operators Operator Assistants Logistics Operators 	<p>REQUESTED EDUCATION</p> <ul style="list-style-type: none"> High School or Less Post-Secondary Certificate 	<p>TOP SKILLS REQUESTED</p> <ul style="list-style-type: none"> Operation Monitoring Critical Thinking Operation and Control Speaking Active Listening Quality Control Analysis Monitoring Troubleshooting Judgement and Decision Making Reading Comprehension
<p>TOTAL JOBS FOR 2024</p> <p>338</p>	<p>COMMON KNOWLEDGE COMPETENCIES</p> <ul style="list-style-type: none"> Mechanical English Language Public Safety and Security Production and Processing 	<p>TOP CERTIFICATIONS REQUESTED</p> <ul style="list-style-type: none"> EPA Universal Certification Operator Certification 	

SIMILAR INDUSTRIES

								
Agriculture & Forestry	Energy Efficiency & Storage	Environmental Protection & Waste Reduction	Government & Regulatory Administration	Transportation	Green Construction	Research, Design, Consulting, & Supportive Services	Manufacturing	Renewable Energy Generation


 Indicates an especially close similarity

Stationary Engineers and Boiler Operators Occupational Profile



SIMILAR INDUSTRIES



 Indicates an especially close similarity

Education & Training Institutions Offerings

Electrical Power-Line Installers & Repairers	Energy Engineers	General & Operations Managers
Eversource (Convex Operating Group)- OJT	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	Albertus Magnus College Asnuntuck Community College Capital Community College Central Connecticut State University Charter Oak State College Eastern Connecticut State University Fairfield University Gateway Community College Goodwin College Housatonic Community College Manchester Community College Middlesex Community College Mitchell College Naugatuck Valley Community College New Horizons Computer Learning Center Northwestern Connecticut Community College Norwalk Community College Post University Quinebaug Valley Community College Quinnipiac University Sacred Heart University Southern Connecticut State University Three Rivers Community College Tunxis Community College United States Coast Guard Academy University of Bridgeport University of Connecticut - Health Center University of Connecticut - Waterbury Campus University of Connecticut, School of Business University of Connecticut, Stamford University of Connecticut, Storrs Campus University of Connecticut, Tri-Campus University of Hartford University of New Haven University of Saint Joseph Western Connecticut State University Yale University

Education & Training Institutions Offerings

Heat & Air Conditioning Mechanics	Mechanical Engineers	Refrigeration Mechanics & Installers
AAA Refrigeration AGS HVAC Services Air Temp Residential Heating & Cooling, Division of Electrical Connection Inc. Air TempMechanical Services Arbor Energy B T Lindsay & CO Inc. Bristol Technical Education Center Construction Education Center, Inc. Cordone & Tonucci Plumbing, Heating and Maintenance Contractors, Inc. CT Plumbers & Pipe Fitters UA LU 777JACT Devine Bros., Inc Industrial Management & 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	Central Connecticut State University Fairfield University Quinnipiac University United States Coast Guard Academy University of Bridgeport University of Connecticut, Storrs Campus University of Hartford University of New Haven Yale University	AAA Refrigeration AGS HVAC Services Air Temp Residential Heating & Cooling, Division of Electrical Connection Inc. Air TempMechanical Services Arbor Energy B T Lindsay & CO Inc. Bristol Technical Education Center Construction Education Center, Inc. Cordone & Tonucci Plumbing, Heating and Maintenance Contractors, Inc. CT Plumbers & Pipe Fitters UA LU 777JACT Devine Bros., Inc Industrial Management & 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

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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.