

Transportation Career Ladder

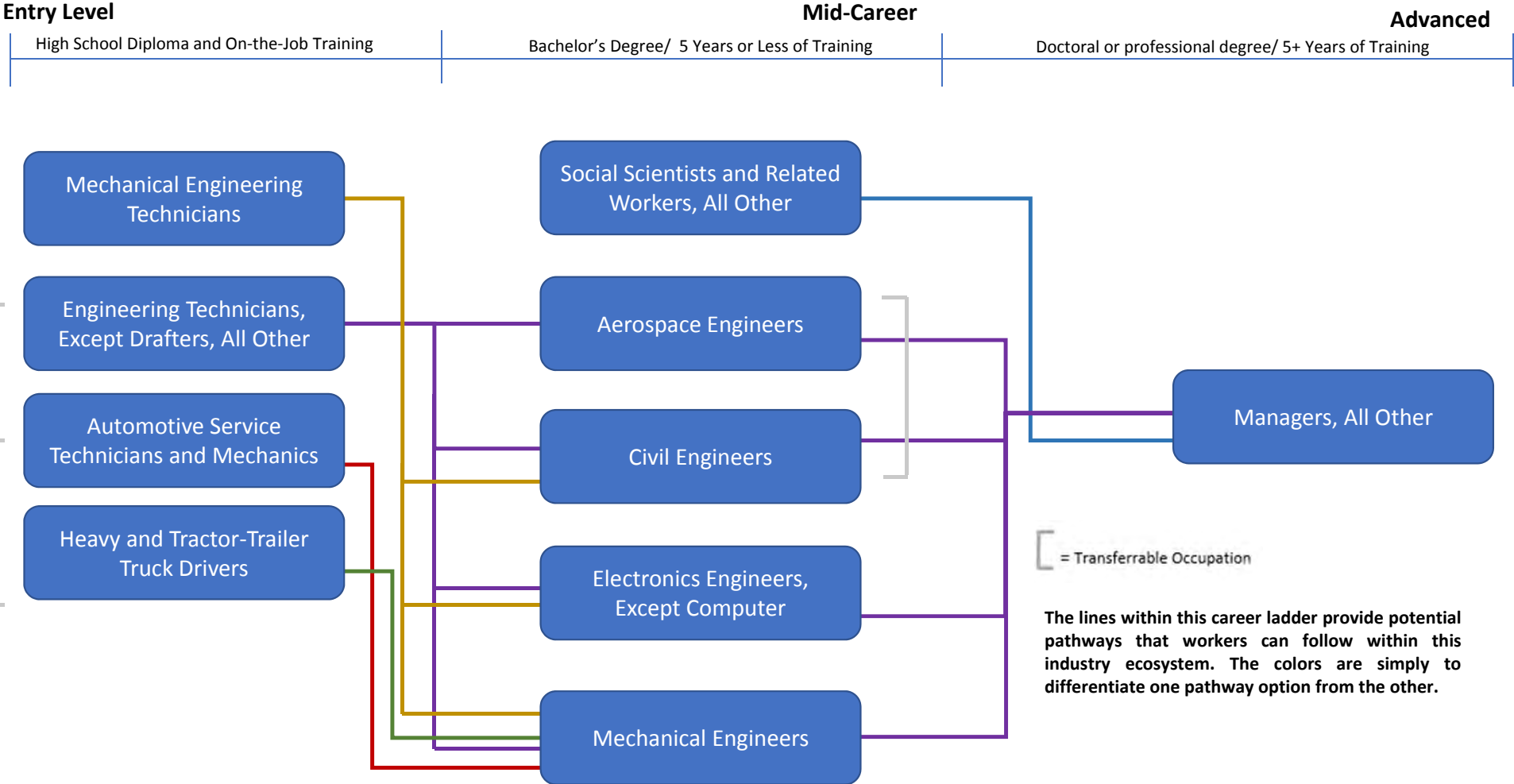


Prepared by AdvanceCT and Thomas P. Miller & Associates

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.

Transportation Career Ladder



Aerospace Engineers Occupational Profile

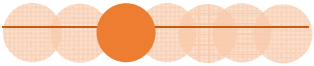
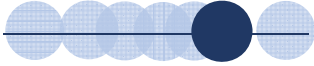


SIMILAR INDUSTRIES












Indicates an especially close similarity

Automotive Service Technicians and Mechanics Occupational Profile

<p>MEDIAN SALARY & WAGES</p> <p>\$37.20/Hour</p> 	<p>COMMON JOB TITLES</p> <ul style="list-style-type: none"> Automotive Technicians Maintenance Mechanics Maintenance Technicians Lube Technicians 	<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"> Repairing Troubleshooting Operation Monitoring Operation and Control Equipment Maintenance Critical Thinking Quality Control Analysis Judgement and Decision Making Equipment Selection Active Listening
<p>TOTAL JOBS FOR 2024</p> <p>8407</p> 	<p>COMMON KNOWLEDGE COMPETENCIES</p> <ul style="list-style-type: none"> Mechanical Customer and Personal Service Computers and Electronics English Language 	<p>TOP CERTIFICATIONS REQUESTED</p> <ul style="list-style-type: none"> Automotive Service Excellence ASE Advanced Engine Performance ASE Auto Maintenance And Light Repair Mobile Electronics Certified Professional 	

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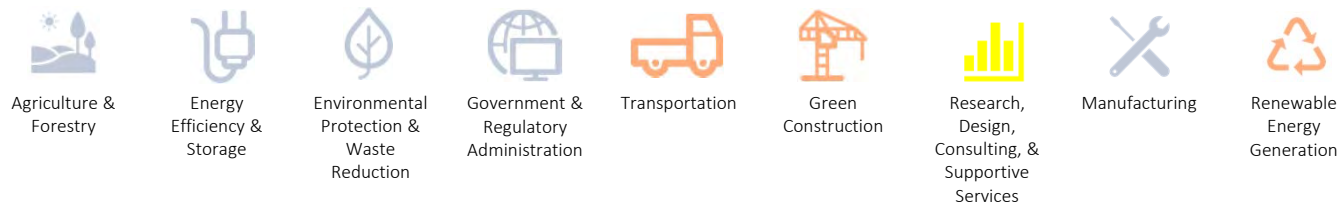
								
Agriculture & Forestry	Energy Efficiency & Storage	Environmental Protection & Waste Reduction	Government & Regulatory Administration	Transportation	Green Construction	Research, Design, Consulting, & Supportive Services	Manufacturing	Renewable Energy Generation

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Civil Engineers Occupational Profile

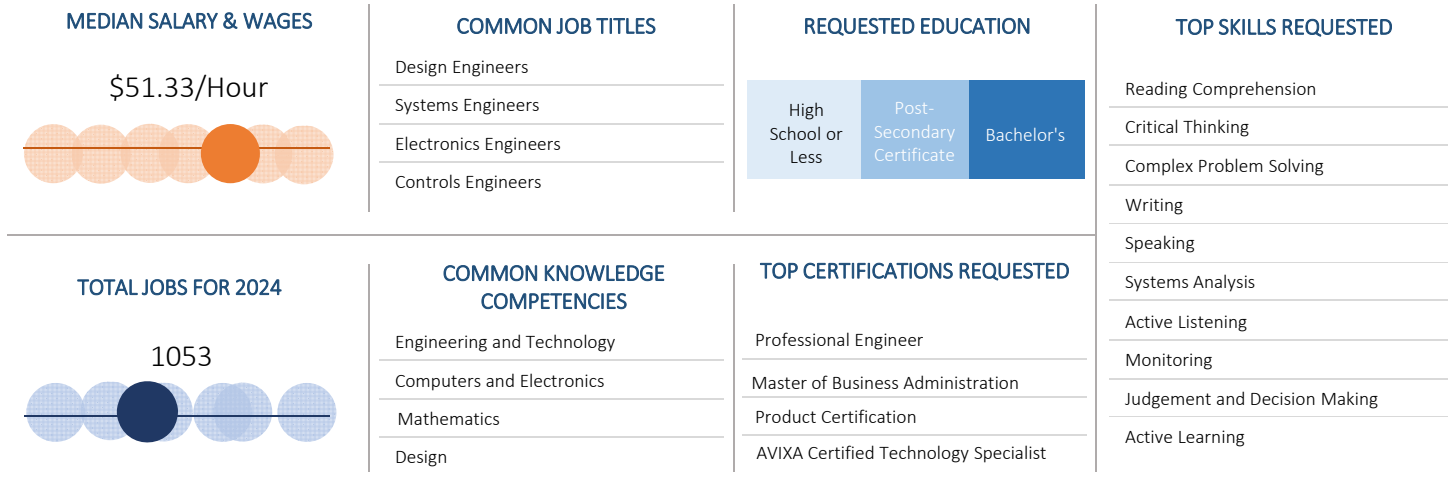


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Electronics Engineers, Except Computer Occupational Profile



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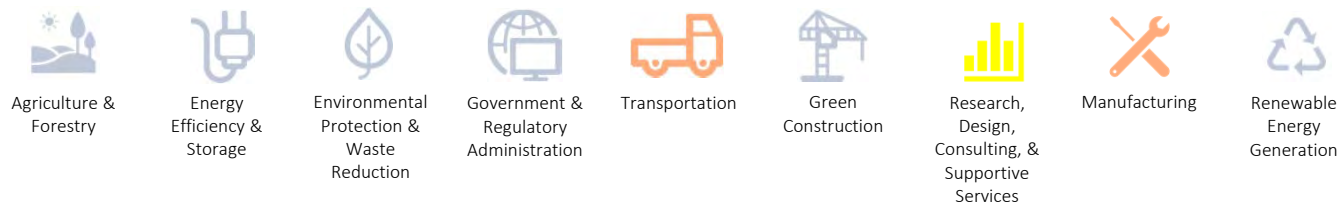



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Engineering Technicians, Except Drafters, All Other Occupational Profile

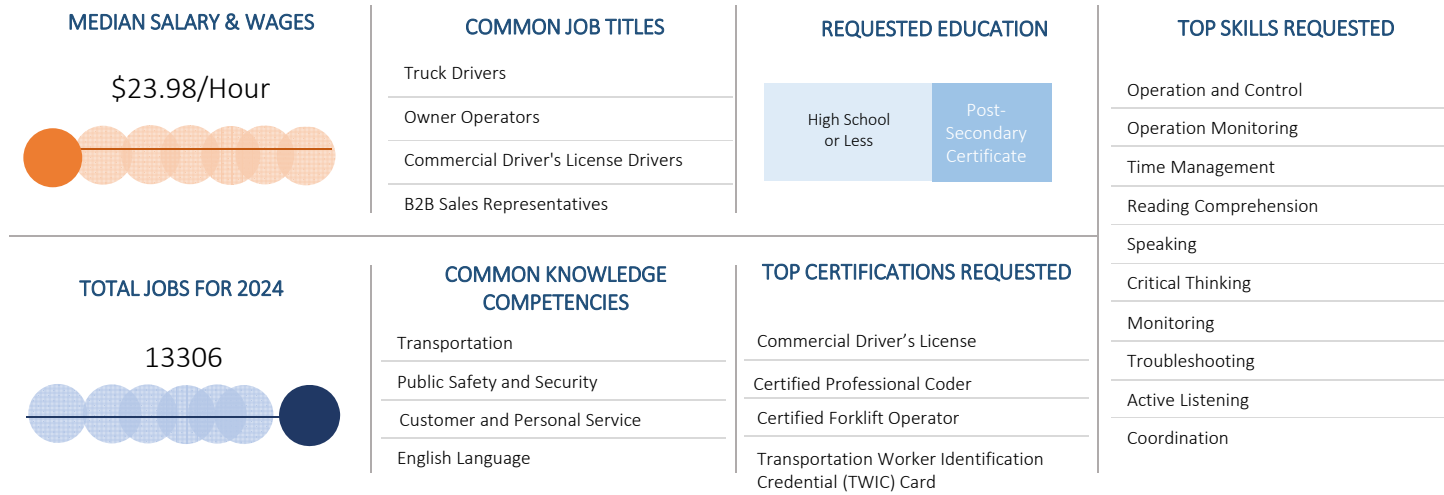


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Heavy and Tractor-Trailer Truck Drivers Occupational Profile



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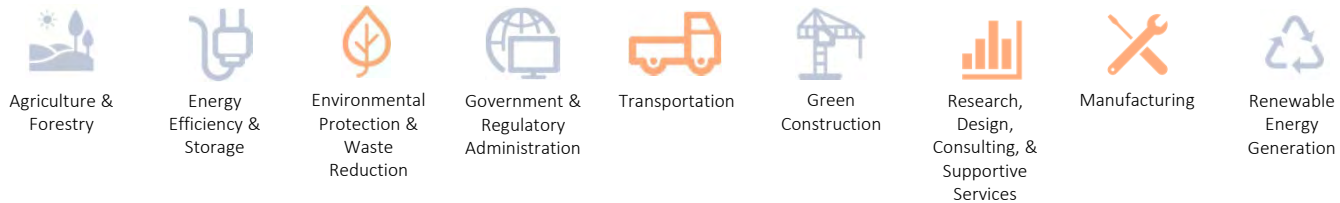


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Managers, All Other Occupational Profile

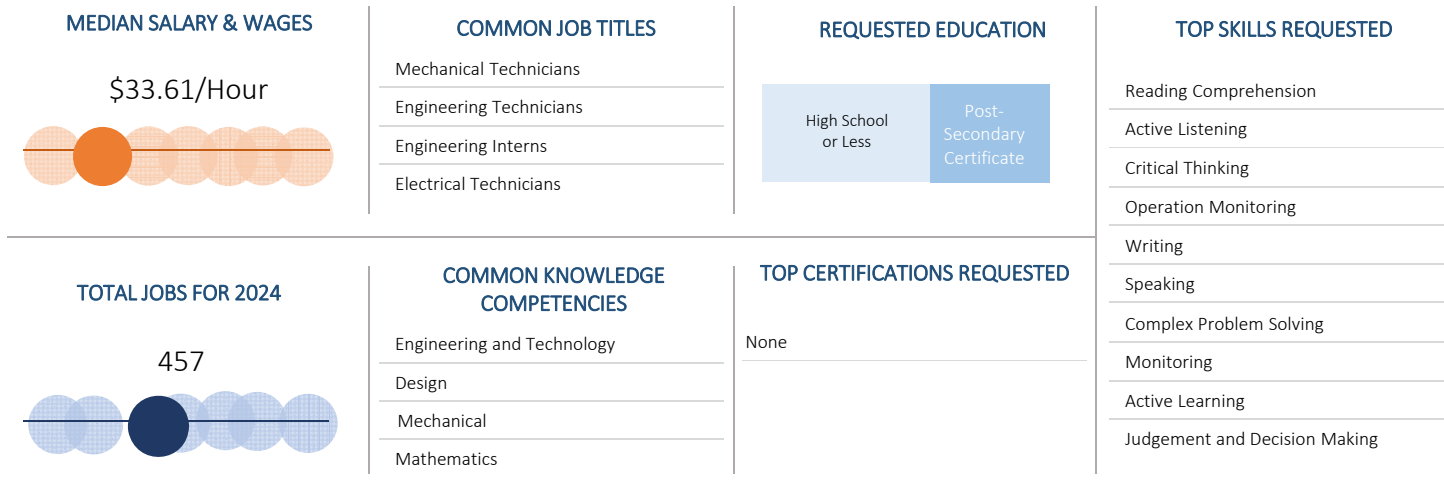


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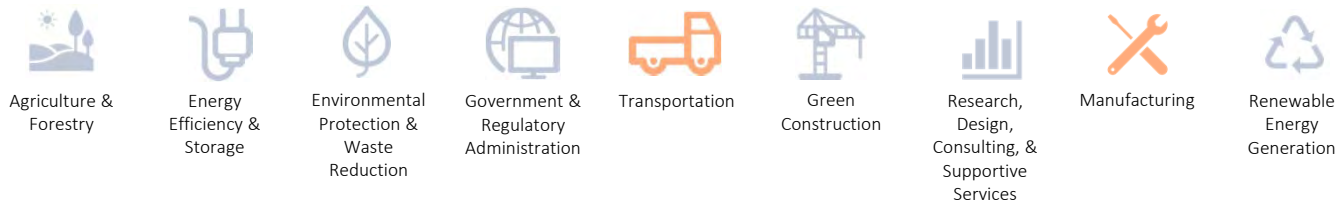


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Mechanical Engineering Technicians Occupational Profile

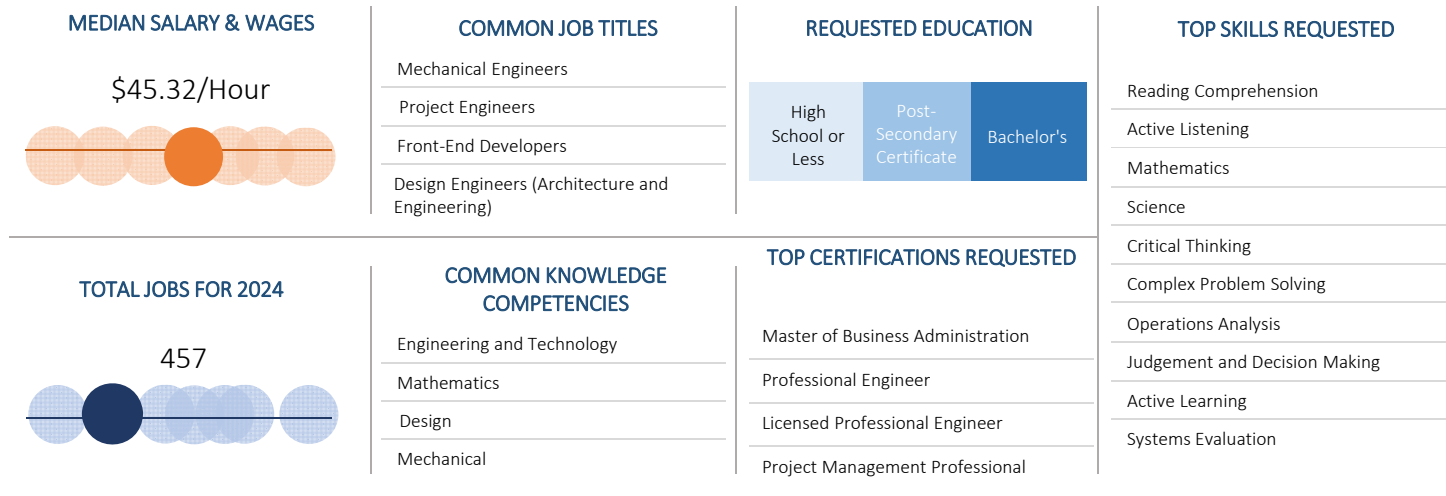


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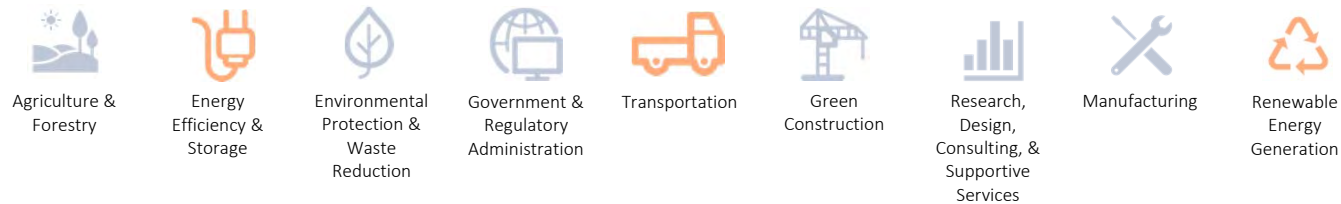


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Mechanical Engineers Occupational Profile



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Social Scientists and Related Workers, All Other Occupational Profile



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Education & Training Institutions Offerings

Aerospace Engineers	Automotive Engineering Technicians	Automotive Engineers	Automotive Specialty Technicians
Advanced Electrical Services, Inc. Central Connecticut State University 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 & Local 90 JATC Quinnipiac University 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	Central Connecticut State University Gateway Community College Three Rivers Community College	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	Lincoln Technical Institute

Education & Training Institutions Offerings

Electronics Engineers, Except Computer	Fuel Cell Engineers	Fuel Cell Technicians	Heavy and Tractor-Trailer Truck Drivers
<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 & 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>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</p>	<p>Eversource Energy- Gas Operations Gateway Community College Middlesex Community College Naugatuck Valley Community College Tunxis Community College</p>	<p>A. B. Training Center, LLC Affordable CDL Training School Allstate Commercial Driver Training Gateway Community College New England Tractor Trailer Training School (NETTTS)</p>

Education & Training Institutions Offerings

Mechanical Engineers	Supply Chain Managers	Transportation Engineers	Transportation Planners
<p>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</p>	<p>Albertus Magnus College Asnuntuck Community College Capital Community College Central Connecticut State University Charter Oak State College Connecticut 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 - 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</p>	<p>Capital Community College</p>	<p>Albertus Magnus College Asnuntuck Community College Capital Community College Central Connecticut State University Gateway Community College Holy Apostles College and Seminary University of Bridgeport University of Connecticut, Storrs Campus University of Saint Joseph Wesleyan University Western Connecticut State University</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.