



Registered Apprenticeship Tax Credit (RATC) Eligible Occupations 2024

Effective January 1, 2024

I. CLEAN ENERGY SECTOR

Occupations must meet the following criteria: a) apprentice has worked more than 75% of hours on Certified Clean Energy projects and/or installing, monitoring, or repairing clean energy technologies (e.g. heat pumps, solar panels, etc); AND b) apprentice can document Clean Energy training (e.g. heat pump installation training) through a specific third-party credential or as part of a DAS-approved registered apprenticeship program curriculum.

- 13-1199 Energy Auditors
- 17-3029 Fuel Cell Technicians
- 47-2111 Electricians
- 47-2231 Solar Photovoltaic Installers
- 47-4099 Solar Thermal Installers and Technicians
- 47-4099 Weatherization Installers Technicians
- 49-3023 Automotive Service Technicians and Mechanics
- 49-9021 Heating, Ventilation and Cooling (HVC) Technicians
- 49-9051 Electrical Power-Line Installers and Repairers
- 49-9081 Wind Turbine Services Technicians
- 49-9099 Geothermal Technicians

II. EDUCATION SECTOR

- 21-1012 Educational, Guidance, School, and Vocational Counselors
- 25-1071 Health Specialties Teachers, Postsecondary
- 25-1072 Nursing Instructors and Teachers, Postsecondary
- 25-2011 Preschool Teachers, Except Special Education
- 25-2012 Kindergarten Teachers, Except Special Education
- 25-2022 Middle School Teachers, Except Special and Career/Technical Education
- 25-2031 Secondary School Teachers, Except Special and Career/Technical Education
- 25-2031 Career/Technical Education Teachers, Secondary School
- 25-2052 Special Education Teachers, Kindergarten and Elementary School

- 25-2057 Special Education Teachers, Middle School
- 25-2058 Special Education Teachers, Secondary School
- 25-2059 Special Education Teachers, All Other
- 25-3021 Self-Enrichment Education Teachers
- 25-3031 Substitute Teachers, Short-Term
- 25-3041 Tutors
- 25-3099 Teachers and Instructors, All Other
- 25-9045 Teaching Assistants, Except Postsecondary
- 39-9011 Childcare Workers
- 39-9032 Recreation Workers

III. FINANCIAL SERVICES SECTOR

- 11-3031 Financial Managers
- 13-2041 Credit Analysts
- 13-2051 Financial Analysts
- 13-2052 Personal Financial Advisors
- 13-2054 Financial Risk Specialists
- 13-2061 Financial Examiners
- 13-2072 Loan Officers
- 13-2081 Tax Examiners and Collectors, and Revenue Agents
- 13-2082 Tax Preparers
- 41-3031 Securities, Commodities, and Financial Services Sales Agents
- 43-4131 Loan Interviewers and Clerks

IV. HEALTHCARE SECTOR

- 29-1141 Registered Nurses
- 29-1292 Dental Hygienists
- 29-2000 Health Technologists and Technicians
- 29-2010 Clinical Laboratory Technologists and Technicians
- 29-2010 Clinical Laboratory Technologists and Technicians
- 29-2030 Diagnostic Related Technologists and Technicians
- 29-2031 Cardiovascular Technologists and Technicians
- 29-2032 Diagnostic Medical Sonographers
- 29-2033 Nuclear Medicine Technologists
- 29-2034 Radiologic Technologists and Technicians
- 29-2035 Magnetic Resonance Imaging Technologists
- 29-2040 Emergency Medical Technicians and Paramedics
- 29-2040 Emergency Medical Technicians and Paramedics
- 29-2050 Health Practitioner Support Technologists and
- 29-2051 Dietetic Technicians
- 29-2052 Pharmacy Technicians

- 29-2053 Psychiatric Technicians
- 29-2055 Surgical Technologists
- 29-2056 Veterinary Technologists and Technicians
- 29-2057 Ophthalmic Medical Technicians
- 29-2060 Licensed Practical and Licensed Vocational Nurses
- 29-2061 Licensed Practical and Licensed Vocational Nurses
- 29-2070 Medical Records Specialists
- 29-2080 Opticians, Dispensing
- 29-2081 Opticians, Dispensing
- 29-2090 Miscellaneous Health Technologists and Technicians
- 29-2091 Orthotists and Prosthetists
- 29-2092 Hearing Aid Specialists
- 29-2098 Medical Dosimetrists, Medical Records Specialists, and Health Technologists and Technicians, All Other
- 31-0000 Healthcare Support Occupations
- 31-1100 Home Health and Personal Care Aides; and Nursing Assistants, Orderlies, and Psychiatric Aides
- 31-1120 Home Health and Personal Care Aides
- 31-1130 Nursing Assistants, Orderlies, and Psychiatric Aides
- 31-1131 Nursing Assistants
- 31-1132 Orderlies
- 31-1133 Psychiatric Aides
- 31-2000 Occupational Therapy and Physical Therapist Assistants and Aides
- 31-2010 Occupational Therapy Assistants and Aides
- 31-2011 Occupational Therapy Assistants
- 31-2012 Occupational Therapy Aides
- 31-2020 Physical Therapist Assistants and Aides
- 31-2021 Physical Therapist Assistants
- 31-2022 Physical Therapist Aides
- 31-9000 Other Healthcare Support Occupations
- 31-9010 Massage Therapists
- 31-9011 Massage Therapists
- 31-9090 Miscellaneous Healthcare Support Occupations
- 31-9091 Dental Assistants
- 31-9092 Medical Assistants
- 31-9093 Medical Equipment Preparers
- 31-9094 Medical Transcriptionists
- 31-9095 Pharmacy Aides
- 31-9096 Veterinary Assistants and Laboratory Animal Caretakers
- 31-9097 Phlebotomists
- 31-9099 Healthcare Support Workers, All Other

V. **INSURANCE SECTOR**

- 13-1031 Claims Adjusters, Examiners, and Investigators

- 13-1141 Compensation, Benefits, and Job Analysis Specialists
- 41-3021 Insurance Sales Agents
- 43-9041 Insurance Claims and Policy Processing Clerks

VI. LIFE SCIENCES SECTOR (NAICS codes 54-1713 and 54-1715 only)

- 11-9121 Clinical Research Associates
- 15-2051 Clinical Data Managers
- 15-2099 Bioinformatics Technicians
- 19-4021 Biological Technicians
- 19-4031 Chemical Technicians
- 19-4042 Environmental Science and Protection Technicians, Including Health
- 19-4099 Life, Physical, and Social Science Technicians, All Other
- 19-4099 Quality Control Analysts

VII. MANUFACTURING SECTOR (NAICS 31 – 33 only)

- 51-0000 Production Occupations
- 51-1000 Supervisors of Production Workers
- 51-1010 First-Line Supervisors of Production and Operating Workers
- 51-1011 First-Line Supervisors of Production and Operating Workers
- 51-2000 Assemblers and Fabricators
- 51-2010 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- 51-2011 Aircraft Structure, Surfaces, Rigging, and Systems Assemblers
- 51-2020 Electrical, Electronics, and Electromechanical Assemblers
- 51-2021 Coil Winders, Tapers, and Finishers
- 51-2028 Electrical, Electronic, and Electromechanical Assemblers, Except Coil Winders, Tapers, and Finishers
- 51-2030 Engine and Other Machine Assemblers
- 51-2031 Engine and Other Machine Assemblers
- 51-2040 Structural Metal Fabricators and Fitters
- 51-2041 Structural Metal Fabricators and Fitters
- 51-2050 Fiberglass Laminators and Fabricators
- 51-2051 Fiberglass Laminators and Fabricators
- 51-2060 Timing Device Assemblers and Adjusters
- 51-2061 Timing Device Assemblers and Adjusters
- 51-2090 Miscellaneous Assemblers and Fabricators
- 51-2090 Miscellaneous Assemblers and Fabricators
- 51-3000 Food Processing Workers
- 51-3010 Bakers

- 51-3011 Bakers
- 51-3020 Butchers and Other Meat, Poultry, and Fish Processing Workers
- 51-3021 Butchers and Meat Cutters
- 51-3022 Meat, Poultry, and Fish Cutters and Trimmers
- 51-3023 Slaughterers and Meat Packers
- 51-3090 Miscellaneous Food Processing Workers
- 51-3091 Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders
- 51-3092 Food Batchmakers
- 51-3093 Food Cooking Machine Operators and Tenders
- 51-3099 Food Processing Workers, All Other
- 51-4000 Metal Workers and Plastic Workers
- 51-4020 Forming Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4021 Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4022 Forging Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4023 Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4030 Machine Tool Cutting Setters, Operators, and Tenders, Metal and Plastic
- 51-4031 Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4032 Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4033 Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4034 Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4035 Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4040 Machinists
- 51-4041 Machinists
- 51-4050 Metal Furnace Operators, Tenders, Pourers, and Casters
- 51-4051 Metal-Refining Furnace Operators and Tenders
- 51-4052 Pourers and Casters, Metal
- 51-4060 Model Makers and Patternmakers, Metal and Plastic
- 51-4061 Model Makers, Metal and Plastic
- 51-4062 Patternmakers, Metal and Plastic
- 51-4070 Molders and Molding Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4071 Foundry Mold and Coremakers
- 51-4072 Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic

- 51-4080 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4081 Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
- 51-4110 Tool and Die Makers
- 51-4111 Tool and Die Makers
- 51-4120 Welding, Soldering, and Brazing Workers
- 51-4121 Welders, Cutters, Solderers, and Brazers
- 51-4122 Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
- 51-4190 Miscellaneous Metal Workers and Plastic Workers
- 51-4191 Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic
- 51-4192 Layout Workers, Metal and Plastic
- 51-4193 Plating Machine Setters, Operators, and Tenders, Metal and Plastic
- 51-4194 Tool Grinders, Filers, and Sharpeners
- 51-4199 Metal Workers and Plastic Workers, All Other
- 51-5100 Printing Workers
- 51-5110 Printing Workers
- 51-5111 Prepress Technicians and Workers
- 51-5112 Printing Press Operators
- 51-5113 Print Binding and Finishing Workers
- 51-6000 Textile, Apparel, and Furnishings Workers
- 51-6010 Laundry and Dry-Cleaning Workers
- 51-6011 Laundry and Dry-Cleaning Workers
- 51-6020 Pressers, Textile, Garment, and Related Materials
- 51-6021 Pressers, Textile, Garment, and Related Materials
- 51-6030 Sewing Machine Operators
- 51-6031 Sewing Machine Operators
- 51-6040 Shoe and Leather Workers
- 51-6041 Shoe and Leather Workers and Repairers
- 51-6042 Shoe Machine Operators and Tenders
- 51-6050 Tailors, Dressmakers, and Sewers
- 51-6051 Sewers, Hand
- 51-6052 Tailors, Dressmakers, and Custom Sewers
- 51-6060 Textile Machine Setters, Operators, and Tenders
- 51-6061 Textile Bleaching and Dyeing Machine Operators and Tenders
- 51-6062 Textile Cutting Machine Setters, Operators, and Tenders
- 51-6063 Textile Knitting and Weaving Machine Setters, Operators, and Tenders
- 51-6064 Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders
- 51-6090 Miscellaneous Textile, Apparel, and Furnishings Workers

- 51-6091 Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers
- 51-6092 Fabric and Apparel Patternmakers
- 51-6093 Upholsterers
- 51-6099 Textile, Apparel, and Furnishings Workers, All Other
- 51-7000 Woodworkers
- 51-7010 Cabinetmakers and Bench Carpenters
- 51-7011 Cabinetmakers and Bench Carpenters
- 51-7020 Furniture Finishers
- 51-7021 Furniture Finishers
- 51-7030 Model Makers and Patternmakers, Wood
- 51-7031 Model Makers, Wood
- 51-7032 Patternmakers, Wood
- 51-7040 Woodworking Machine Setters, Operators, and Tenders
- 51-7041 Sawing Machine Setters, Operators, and Tenders, Wood
- 51-7042 Woodworking Machine Setters, Operators, and Tenders, Except Sawing
- 51-7090 Miscellaneous Woodworkers
- 51-7099 Woodworkers, All Other
- 51-8000 Plant and System Operators
- 51-8010 Power Plant Operators, Distributors, and Dispatchers
- 51-8011 Nuclear Power Reactor Operators
- 51-8012 Power Distributors and Dispatchers
- 51-8013 Power Plant Operators
- 51-8020 Stationary Engineers and Boiler Operators
- 51-8021 Stationary Engineers and Boiler Operators
- 51-8030 Water and Wastewater Treatment Plant and System Operators
- 51-8031 Water and Wastewater Treatment Plant and System Operators
- 51-8090 Miscellaneous Plant and System Operators
- 51-8091 Chemical Plant and System Operators
- 51-8092 Gas Plant Operators
- 51-8093 Petroleum Pump System Operators, Refinery Operators, and Gaugers
- 51-8099 Plant and System Operators, All Other
- 51-9000 Other Production Occupations
- 51-9010 Chemical Processing Machine Setters, Operators, and Tenders
- 51-9011 Chemical Equipment Operators and Tenders
- 51-9012 Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders
- 51-9020 Crushing, Grinding, Polishing, Mixing, and Blending Workers

- 51-9021 Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders
- 51-9022 Grinding and Polishing Workers, Hand
- 51-9023 Mixing and Blending Machine Setters, Operators, and Tenders
- 51-9030 Cutting Workers
- 51-9031 Cutters and Trimmers, Hand
- 51-9032 Cutting and Slicing Machine Setters, Operators, and Tenders
- 51-9040 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
- 51-9041 Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders
- 51-9050 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
- 51-9051 Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders
- 51-9060 Inspectors, Testers, Sorters, Samplers, and Weighers
- 51-9061 Inspectors, Testers, Sorters, Samplers, and Weighers
- 51-9070 Jewelers and Precious Stone and Metal Workers
- 51-9071 Jewelers and Precious Stone and Metal Workers
- 51-9080 Dental and Ophthalmic Laboratory Technicians and Medical Appliance Technicians
- 51-9081 Dental Laboratory Technicians
- 51-9082 Medical Appliance Technicians
- 51-9083 Ophthalmic Laboratory Technicians
- 51-9110 Packaging and Filling Machine Operators and Tenders
- 51-9111 Packaging and Filling Machine Operators and Tenders
- 51-9120 Painting Workers
- 51-9123 Painting, Coating, and Decorating Workers
- 51-9124 Coating, Painting, and Spraying Machine Setters, Operators, and Tenders
- 51-9140 Semiconductor Processing Technicians
- 51-9141 Semiconductor Processing Technicians
- 51-9150 Photographic Process Workers and Processing Machine Operators
- 51-9151 Photographic Process Workers and Processing Machine Operators
- 51-9160 Computer Numerically Controlled Tool Operators and Programmers
- 51-9161 Computer Numerically Controlled Tool Operators
- 51-9162 Computer Numerically Controlled Tool Programmers
- 51-9190 Miscellaneous Production Workers
- 51-9191 Adhesive Bonding Machine Operators and Tenders
- 51-9192 Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders
- 51-9193 Cooling and Freezing Equipment Operators and Tenders
- 51-9194 Etchers and Engravers

- 51-9195 Molders, Shapers, and Casters, Except Metal and Plastic
- 51-9196 Paper Goods Machine Setters, Operators, and Tenders
- 51-9197 Tire Builders
- 51-9198 Helpers--Production Workers
- 51-9199 Production Workers, All Other

VIII. SOCIAL SERVICES INCLUDING BEHAVIORAL HEALTH

- 21-1015 Rehabilitation Counselors
- 21-1018 Substance Abuse, Behavioral Disorder, and Mental Health Counselors
- 21-1021 Child, Family, and School Social Workers
- 21-1021 Healthcare Social Workers
- 21-1023 Mental Health and Substance Abuse Social Workers
- 21-1091 Health Educators
- 21-1093 Social and Human Service Assistants
- 21-1094 Community Health Workers
- 21-1099 Community and Social Service Specialists, All Other

IX. TECHNOLOGY SECTOR

- 15-1200 Computer Occupations
- 15-1210 Computer and Information Analysts
- 15-1211 Computer Systems Analysts
- 15-1212 Information Security Analysts
- 15-1220 Computer and Information Research Scientists
- 15-1221 Computer and Information Research Scientists
- 15-1230 Computer Support Specialists
- 15-1231 Computer Network Support Specialists
- 15-1232 Computer User Support Specialists
- 15-1240 Database and Network Administrators and Architects
- 15-1241 Computer Network Architects
- 15-1244 Network and Computer Systems Administrators
- 15-1245 Database Administrators and Architects
- 15-1250 Software and Web Developers, Programmers, and Testers
- 15-1251 Computer Programmers
- 15-1256 Software Developers and Software Quality Assurance Analysts and Testers
- 15-1257 Web Developers and Digital Interface Designers
- 15-1290 Miscellaneous Computer Occupations
- 15-1299 Computer Occupations, All Other