


Training by Green Occupations

Occupational Title 	*Education and Training Level	Program Title
Aerospace Engineers	5	Aerospace, Aeronautical and Astronautical/Space Engineering Electrical and Electronics Engineering Mechanical Engineering
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	9	Aircraft Powerplant Technology/Technician Airframe Mechanics and Aircraft Maintenance Technology/Technician Avionics Maintenance Technology/Technician
Air Quality Engineer Engineers	5	Chemical Engineering Civil Engineering Environmental/Environmental Health Engineering Mechanical Engineering
Alternate Energy Engineers	5	Engineering, General
Alternate Fuel Vehicle Technicians	7	Alternative Fuel Vehicle Technology/Technician
Architects, Except Landscape and Naval	5	Architectural History and Criticism, General Architecture Environmental Design/Architecture

Occupational Title 


***Education and Training Level**


Program Title


Architectural and Engineering Managers


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- Aerospace, Aeronautical and Astronautical/Space Engineering
- Agricultural Engineering
- Architectural Engineering
- Biological/Biosystems Engineering
- Chemical Engineering
- City/Urban, Community and Regional Planning
- Civil Engineering, General
- Computer Engineering, General
- Computer Hardware Engineering
- Computer Software Engineering
- Construction Engineering
- Electrical and Electronics Engineering
- Electromechanical Engineering
- Engineering, General
- Environmental/Environmental Health Engineering
- Forest Engineering
- Geological/Geophysical Engineering
- Geotechnical and Geoenvironmental Engineering
- Industrial Engineering
- Manufacturing Engineering
- Materials Engineering
- Mechanical Engineering
- Mechatronics, Robotics, and Automation Engineering
- Metallurgical Engineering
- Mining and Mineral Engineering
- Naval Architecture and Marine Engineering
- Nuclear Engineering
- Petroleum Engineering
- Polymer/Plastics Engineering
- Structural Engineering
- Systems Engineering
- Telecommunications Engineering
- Transportation and Highway Engineering
- Water Resources Engineering


Occupational Title 	*Education and Training Level	Program Title
Atmospheric and Space Scientists	5	Atmospheric Chemistry and Climatology
		Atmospheric Physics and Dynamics
		Atmospheric Sciences and Meteorology, General
		Atmospheric Sciences and Meteorology, Other Meteorology
Auxiliary Equipment Operators, Power	9	Industrial Technology/Technician
Battery Engineers	5	Biochemical Engineering
		Chemical and Biomolecular Engineering
		Chemical Engineering
		Electrical and Electronics Engineering
		Engineering Chemistry
Biological Technicians	6	Biology Technician/Biotechnology Laboratory Technician
Biomass Collectors	11	Truck and Bus Driver/Commercial Vehicle Operator and Instructor
Boiler Operators & Tenders, Low Pressure	9	Industrial Technology/Technician
Bus Drivers, Transit and Intercity	10	Truck and Bus Driver/Commercial Vehicle Operator and Instructor
Cement Masons and Concrete Finishers	9	Concrete Finishing/Concrete Finisher
Chemical Engineers	5	Biochemical Engineering
		Chemical and Biomolecular Engineering
		Chemical Engineering
		Chemical Engineering, Other
		Engineering Chemistry
		Paper Science and Engineering


Occupational Title 	*Education and Training Level	Program Title
Chemical Equipment Operators and Tenders	10	Chemical Process Technology Chemical Technology/Technician
Chemical Plant and System Operators	9	Chemical Process Technology Chemical Technology/Technician
Chemical Technicians	6	Chemical Process Technology Chemical Technology/Technician
Chemists	5	Analytical Chemistry Chemical Physics Chemistry, General Chemistry, Other Environmental Chemistry Forensic Chemistry Inorganic Chemistry Materials Chemistry Organic Chemistry Physical Chemistry Polymer Chemistry Theoretical Chemistry
Civil Engineers	5	Civil Engineering, General Civil Engineering, Other Construction Engineering Geotechnical and Geoenvironmental Engineering Structural Engineering Transportation and Highway Engineering Water Resources Engineering
Computer Software Engineers, Systems Software	5	Computer Engineering, General


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Computer-Controlled Machine Tool Operators, Metal and Plastic	10	Computer Numerically Controlled (CNC) Machinist Technology/CNC Machinist Machine Shop Technology/Assistant
Construction and Building Inspectors	8	Building/Home/Construction Inspection/Inspector
Construction Laborers	11	Building/Construction Trades, Other
Construction Managers	5	Business Administration and Management, General Business/Commerce, General Construction Engineering Technology/Technician Construction Management Operations Management and Supervision
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	10	Machine Tool Technology/Machinist Sheet Metal Technology/Sheetworking Machine Tool Technology/Machinist
Electrical and Electronics Repairers, Commercial and Industrial Equipment	7	Computer Installation and Repair Technology/Technician Industrial Electronics Technology/Technician
Electrical Engineers	5	Electrical and Electronics Engineering Electrical, Electronics and Communications Engineering, Other
Electrical Power-Line Installers and Repairers	9	Electrical and Power Transmission Installation/Installer, General Electrical and Power Transmission Installers, Other Lineworker
Electricians	9	Electrician


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Electro-Mechanical Technicians	6	Automation Engineer Technology/Technician Electromechanical and Instrumentation and Maintenance Technologies/Technicians, Other Electromechanical Technology/Electromechanical Engineering Technology Instrumentation Technology/Technician Robotics Technology/Technician
Electronics Engineers, Except Computer	5	Electrical and Electronics Engineering Electrical, Electronics and Communications Engineering, Other Telecommunications Engineering
Energy Auditors	5	Building/Home/Construction Inspection/Inspector
Engine and Other Machine Assemblers	11	Engine Machinist
Environmental Compliance Managers	4	Environmental Science Environmental/Environmental Health Engineering
Environmental Engineering Technicians	6	Environmental Engineering Technology/Environmental Technology Hazardous Materials Information Systems Technology/Technician
Environmental Engineers	5	Civil Engineering Environmental/Environmental Health Engineering
Environmental Remediation Specialists	5	Biochemical Engineering Chemical and Biomolecular Engineering Chemical Engineering Chemical Engineering, Other Civil Engineering, General Engineering Chemistry Environmental/Environmental Health Engineering Geotechnical and Geoenvironmental Engineering


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Environmental Science and Protection Technicians, Including Health	6	Physical Science Technologies/Technicians, Other Science Technologies/Technicians, Other
Environmental Scientists and Specialists, Including Health	5	Environmental Chemistry Environmental Health Environmental Science Environmental Studies Marine Sciences
Farmer Workers, Sustainable	11	Basic Skills and Developmental/Remedial Education, Other
Farmers & Ranchers	9	Agribusiness/Agricultural Business Operations
Farmers, Sustainable	11	Basic Skills and Developmental/Remedial Education, Other
First-Line Supervisors of Mechanics, Installers, and Repairers	8	Electrical and Power Transmission Installation/Installer, General High Performance and Custom Engine Technician/Mechanic Lineworker Operations Management and Supervision Recreation Vehicle (RV) Service Technician Vehicle Maintenance and Repair Technologies, General
First-Line Supervisors of Production and Operating Workers	8	Operations Management and Supervision
Fish and Game Wardens	6	Fishing and Fisheries Sciences and Management Natural Resource Economics Natural Resources Law Enforcement and Protective Services Wildlife, Fish and Wildlands Science and Management


Occupational Title 	*Education and Training Level	Program Title
Forest and Conservation Technicians	6	Forest Technology/Technician Forestry, Other
Forest and Conservation Workers	10	Forestry, General
Fuel Cell Technicians	6	Alternative Fuel Vehicle Technology/Technician
General and Operations Managers	4	Business Administration and Management, General Business/Commerce, General Entrepreneurship/Entrepreneurial Studies Finance, General International Business/Trade/Commerce Management Science Parks, Recreation and Leisure Facilities Management, Other Public Administration Retail Management
Geoscientists, Except Hydrologists and Geographers	3	Geochemistry Geochemistry and Petrology Geological and Earth Sciences/Geosciences, Other Geology/Earth Science, General Geophysics and Seismology Marine Sciences Oceanography, Chemical and Physical Paleontology
Hazardous Materials Removal Workers	10	Hazardous Materials Management and Waste Technology/Technician
Heavy and Tractor-Trailer Truck Drivers	10	Truck and Bus Driver/Commercial Vehicle Operator and Instructor
Helpers--Carpenters	11	Carpentry/Carpenter

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Helpers--Installation, Maintenance, and Repair Workers	11	Industrial Mechanics & Maintenance Technology
Hydrologists	5	Geology/Earth Science, General Hydrology and Water Resources Science Oceanography, Chemical and Physical
Industrial Engineering Technicians	6	Chemical Process Technology Engineering/Industrial Management Industrial Production Technologies/Technicians, Other Industrial Technology/Technician Manufacturing Engineering Technology/Technician Packaging Science
Industrial Engineers	5	Industrial Engineering Manufacturing Engineering Packaging Science
Industrial Machinery Mechanics	9	Industrial Mechanics and Maintenance Technology
Industrial Production Managers	5	Business Administration and Management, General Business/Commerce, General Engineering/Industrial Management Industrial Engineering Logistics, Materials, and Supply Chain Management Operations Management and Supervision
Industrial Truck and Tractor Operators	11	Vehicle & Equipment Operators, Other
Insulation Workers, Floor, Ceiling, and Wall	10	Insulator
Landscape Architects	5	Environmental Design/Architecture Landscape Architecture

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Machinists	9	Machine Shop Technology/Assistant Machine Tool Technology/Machinist
Maintenance and Repair Workers, General	9	Building/Construction Site Management/Manager
Materials Scientists	5	Materials Chemistry Materials Science Materials Sciences, Other
Mechanical Engineers	5	Electromechanical Engineering Mechanical Engineering
Natural Sciences Managers	4	Algebra and Number Theory Analysis and Functional Analysis Analytical Chemistry Applied Mathematics, General Atmospheric Chemistry and Climatology Biochemistry and Molecular Biology Biological and Physical Sciences Biology/Biological Sciences, General Biomathematics, Bioinformatics, and Computational Biology, Other Biostatistics Chemistry, General Computational and Applied Mathematics Computational Biology Computational Mathematics Computational Science Environmental Chemistry Evolutionary Biology Financial Mathematics Geology/Earth Science, General Geometry/Geometric Analysis Inorganic Chemistry

Occupational Title 	*Education and Training Level	Program Title
Natural Sciences Managers - Continued		Logic
		Materials Chemistry
		Mathematical Biology
		Mathematics and Computer Science
		Mathematics and Statistics
		Mathematics, General
		Molecular Biology
		Natural Sciences
		Organic Chemistry
		Physical Chemistry
		Statistics, General
		Theoretical Chemistry
		Nuclear Engineers
Nuclear Power Reactor Operators	9	Nuclear/Nuclear Power Technology/Technician
Occupational Health and Safety Specialists	5	Environmental Health
		Industrial Safety Technology/Technician
		Occupational Health and Industrial Hygiene
		Occupational Safety and Health Technology/Technician
		Radiation Protection/Health Physics Technician
Operating Engineers and Other Construction Equipment Operators	10	Construction/Heavy Equipment/Earthmoving Equipment Operation
		Mobile Crane Operation/Operator
Plumbers, Pipefitters, and Steamfitters	9	Pipefitting/Pipefitter and Sprinkler Fitter
		Plumbing and Related Water Supply Services, Other
		Plumbing Technology/Plumber

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Power Distributors and Dispatchers	9	Electrical and Electronic Engineering Technologies/Technicians, Other
Power Generating Plant Operators, Except Auxiliary Equipment Operators	9	Electrical and Electronic Engineering Technologies/Technicians, Other
Power Plant Operators	9	Electrical and Electronic Engineering Technologies/Technicians, Other
Production, Planning, and Expediting Clerks	11	Parts, Warehousing, and Inventory Management Operations
Recycling Center Operators	10	Transportation and Materials Moving, Other
Refuse and Recyclable Material Collectors	11	Truck and Bus Driver/Commercial Vehicle Operator and Instructor
Retrofitting Specialist	10	Building Construction Technology Electrician
Roofers	10	Roofer
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	10	Industrial Technology/Technician
Sheet Metal Workers	10	Sheet Metal Technology/Sheetworking
Soil and Plant Scientists	5	Soil Sciences, Other
Solar Photovoltaic Installers	10	Solar Energy Technology/Technician
Solar Thermal Installers and Technicians	10	Electrician Sheet Metal Technology/Sheetworking Solar Energy Technology/Technician

Occupational Title 	*Education and Training Level	Program Title
Stationary Engineers	9	Industrial Technology/Technician
Stationary Engineers & Boiler Operators	9	Industrial Technology/Technician
Structural Iron and Steel Workers	9	Metal Building Assembly/Assembler
Structural Metal Fabricators and Fitters	10	Machine Shop Technology/Assistant Metal Fabricator
Sustainability Planners	3	City/Urban, Community and Regional Planning
Sustainability Program Coordinators/Managers	4	Sustainability Studies
Team Assemblers	10	Industrial Technology/Technician
Training and Development Specialists	5	Human Resources Management/Personnel Administration, General
Urban and Regional Planners	3	City/Urban, Community and Regional Planning
Water and Liquid Waste Treatment Plant and System Operators	9	Water Quality and Wastewater Treatment Management and Recycling Technology/Technician
Wind Turbine Technicians	9	Construction Trades, General

Occupational Title 

***Education and
Training Level**

Program Title

*Occupational training and education classifications were developed by the Bureau of Labor Statistics (BLS).

[For more information on the classifications, please see the BLS Training Definitions.](#)

- 1 - First Professional Degree - LLD/MD
- 2 - Doctoral Degree
- 3 - Master's Degree
- 4 - Bachelor's Degree or Higher and Some Work Experience
- 5 - Bachelor's Degree
- 6 - Associate Degree
- 7 - Post-Secondary Vocational Education
- 8 - Work Experience in a Related Occupation
- 9 - Long-Term On-the-Job Training
- 10 - Moderate-Term On-the-Job Training
- 11 - Short-Term On-the-Job Training

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