YOUR GREEN CAREER
AT JOB CORPS

THE GREEN JOB

A green job can be defined as anything that helps put America on the path to a cleaner, more energy-efficient future. These particular positions, such as green construction jobs, jobs in transportation, and jobs in renewable resources, are very much on the rise. Funded by the American Recovery and Reinvestment Act (ARRA), the green career market is expected to produce approximately 575,000 new jobs during 2011 and 2012.

GREEN TRAINING AT JOB CORPS

As one of the nation's largest youth training providers, Job Corps is committed to the development of green job training and preparing students like you for successful careers in the new green economy. All students who enter the Advanced Manufacturing, Automotive and Machine Repair, or Construction training areas will develop specific knowledge and skills related to green technology and industry practices. If you choose to train in one or more of these industries, you will receive the latest training available to prepare you for the jobs of today and tomorrow. The green workforce is here to stay, and qualified green workers will continue to be in demand for many years to come.

GREEN INDUSTRIES – EMPLOYMENT OPPORTUNITIES

The focus on protecting our environment, energy diversity, and efficiency means more job opportunities in fields like green building, hazardous waste removal, recycling and consumer goods, manufacturing, and technology. Job Corps' green graduates will be well-positioned to enter the workforce with specialized skills that set them apart from other applicants. Your instructors and CTS counselor will work with you as you complete your training to find a career that best matches your skills.

To give you an idea of what types of green jobs are out there, here are just some of the areas employers will be hiring for in the coming years:

- Hybrid car manufacturing
- Energy retrofitting
- Making furniture from environmentally certified and recycled wood
- Green building
- Waste composting
- Hauling and reuse of construction and demolition materials and debris
- Hazardous materials cleanup
- Green landscaping
- Manufacturing of green products (such as wind turbine blades and solar panels)
- Reuse and production of products from recycled, nontoxic materials
- Whole home performance (HVAC, attic insulation, weatherization)

For more information about ARRA, visit www.recovery.gov.
www.jobcorps.gov

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Green Career Pathways – What You Will Learn

At any of the 125 Job Corps centers where you train, you will acquire the skills listed below for your particular training area, making you even more marketable to employers.

ADVANCED MANUFACTURING

Manufacturing Technology and Machining

- OSHA and EPA safety requirements
- Shop maintenance procedures to reduce waste and promote environmental stewardship
- Proper cleanup procedures using green materials and products
- Reduce, Reuse, and Recycle
- Lean to Green Manufacturing

Welding

- OSHA and EPA safety requirements
- Shop maintenance procedures to reduce waste and promote environmental stewardship
- Proper cleanup procedures using green materials and products
- Reduce, Reuse, and Recycle

AUTOMOTIVE AND MACHINE REPAIR

Automobile Technician and General Service Technician

- Green environmental practices
- Reduce, Reuse, Recycle
- Pollution prevention principles
- Eco-friendly parts, cleaning materials, and practices
- Introduction to hybrid and alternative vehicles
- Safety aspects and procedures
- Hybrid systems and functionality
- Alternative fuel systems
- High-voltage battery modules, layout, and cooling system
- Regenerative brake system and system components
- Proper hybrid vehicle service/maintenance

Coming soon: Collision Repair and Refinish

- Reduce, Reuse, Recycle
- Pollution prevention principles
- Eco-friendly parts, cleaning materials, and practices

CONSTRUCTION

Bricklaying

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Water infiltration and stormwater runoff reduction
- Sourcing of alternative materials and products

Carpentry

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Site protection

Cement Masonry

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Pervious and/or open-grid pavers
- Site protection

Electrical

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Green power and efficiency methods
- Reduction in light trespass/light pollution

Facilities Maintenance

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Energy-efficient lighting and water conservation fixtures
- Use of crimper
- Green landscaping materials and techniques

Heating, Ventilation, and Air Conditioning

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Proper disposal of HVAC system
- Flush-out techniques
- ENERGY STAR HVAC system
- MERV and AFUE rating systems

Painting

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Proper cleanup and disposal of materials
- Sourcing of alternative materials and products

Plumbing

- Introduction to environmental awareness and green building
- Reject, Reduce, Reuse, and Recycle
- Alternative materials
- Treatment of hand tools and equipment for sustainability
- Waste management
- Water- and energy-efficient fixtures
- Use of crimper