

# WORKING IN GREEN BUILDING CONSTRUCTION

Employment Opportunities in the New Green Economy



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**Norm Cook, Board Member**

**U.S. Green Building Council – RI Chapter**



# \* Green Jobs Guidebook \*

Published by the Environmental Defense Fund



Solar – Water – Wind - Alternative Fuels

## Green Building

ONLINE @

[www.edf.org/cagreenjobs](http://www.edf.org/cagreenjobs)



# What's in the Guidebook?

- **Profiles of over 200 green jobs**
  - Jobs that are related to either preventing or adapting to climate change or improves environmental quality, directly or indirectly
- **Details on 45 job types**
  - For individuals with a high school diploma
  - For individuals with a technical college, community college or trade school degree
  - For individuals with a college degree or greater
- **Info on green jobs training**
- **Apprenticeship programs and more**



# Green Job Opportunities



- **Entry Level**

- **No experience necessary**

- Good for young adults or people re-entering the job market

- **Hands on training and skill development**

- Apprenticeships available with trade unions
    - Certificate programs

- **A living wage with benefits**

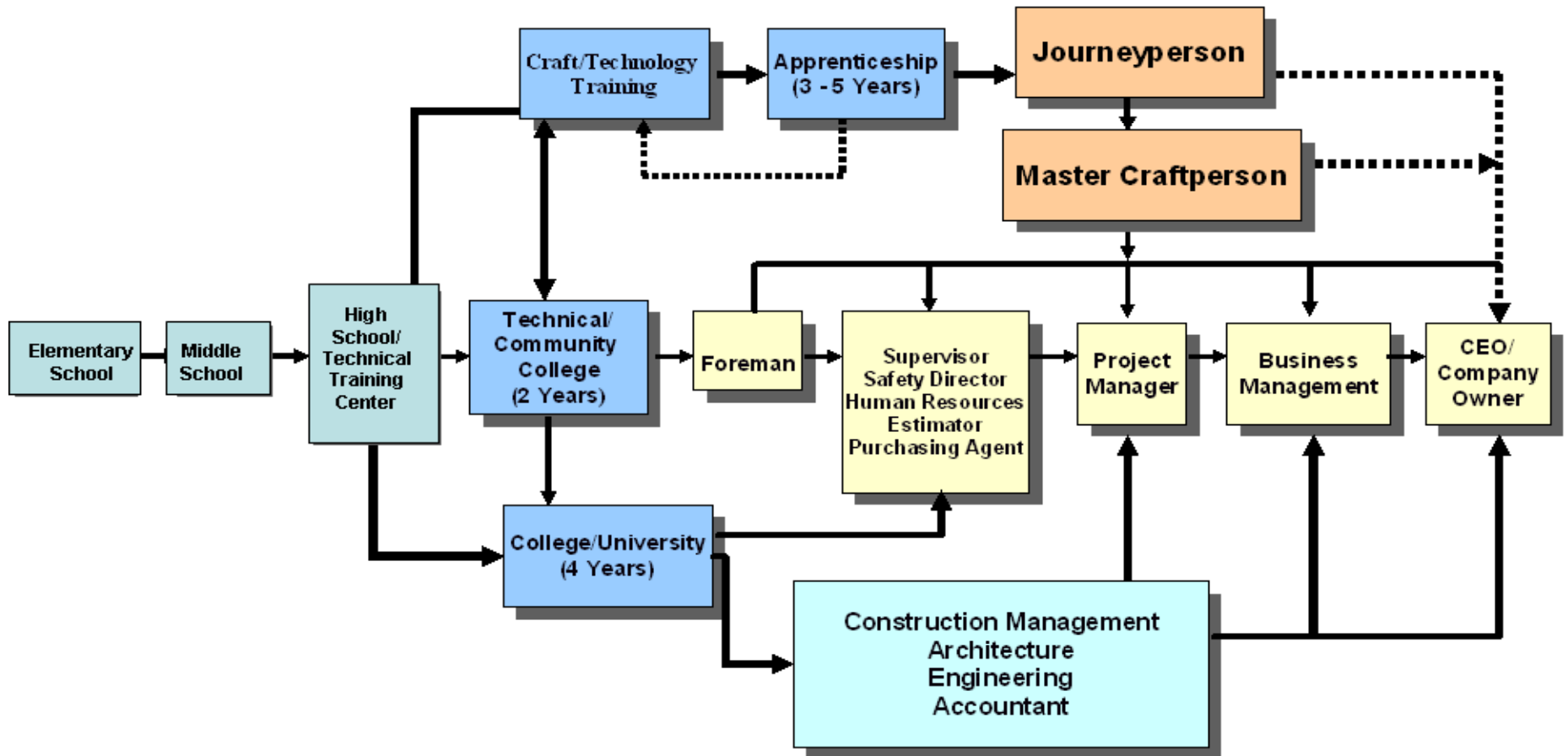
- Candidates must be “job ready”
      - Positive attitude
      - Basic literacy
      - Punctual and responsible
      - Good work ethic

- **Experienced**

- **Career track jobs**

- Formal job training
    - Continuing education
    - Salaries to support the middle class

# Career Pathway Map



# Green Building Practices for New and Existing Structures

- **Green Building Design & Engineering Jobs**
  - Residential/Commercial Architects
    - Interior Designers
    - Landscape Designers
  - Energy Engineer and Energy Analyst
  - Water Systems Designer
  - Refrigeration Engineer
  - HVAC Engineer
  - Electrical Engineer
  - Energy Efficiency Manager



# Green Building Practices for New and Existing Structures

- **Installation and Green Building Operations Jobs**
  - Building Auditor
  - Building Performance Analyst
  - Weatherization Manager
  - Insulation Installer
  - Air Sealing Technician
  - HVAC Service Technician
  - Plumbers, Pipefitters and Electricians
  - Carpenters and Roofers
  - Facilities Director



# Green Building Practices for New and Existing Structures



- **Energy Efficiency Services Jobs**
  - Energy Field Auditor
    - Residential, Commercial and Industrial Sectors
  - Renewable Energy Consultant & Installers
  - Energy Manager and Analyst
  - Energy Efficiency Finance Manager



# Examples:

## Home Auditor

- High school education
- Some experience useful
- \$15-\$17 per hour
- Solid growth potential

## • Field Technician

- Trade school/Apprentice
- 1-3 years experience
- \$22-\$40 per hour
- Expanding opportunities in energy efficiency

## • Energy Efficiency Finance Manager

- Accounting degree
- 8 years in related field
- \$75,000+
- Huge growth potential



# EDUCATION: USGBC LEED Workshops



## **LEED Green Associate [nontechnical] Fri. Oct. 2nd**

- LEED Core Concepts and Strategies – 200 level course
- Basic knowledge of green design, construction, and operations
- New England Institute of Technology Warwick, RI

## **LEED Accredited Professional [technical] Fri. Dec 4<sup>th</sup>**

- LEED Building Design and Construction – 300 level course
- Advanced knowledge in green building practices and the ability to specialize in a particular LEED Rating System
- The Green Roundtable Boston, MA



**RI CHAPTER**

[www.usgbcri.org](http://www.usgbcri.org)

# QUESTIONS?

