

CAREER PATHWAYS for Green Jobs



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FUEL your career

You would be surprised at what types of jobs might utilize green skills...including yours!
Here are four green categories that your job might fall under:

Renewable Energy

Producing energy using renewable resources and/or providing services that support production, storage and transmission of renewable energy

Clean Manufacturing

Manufacturing products that support green activities and/or reducing production waste and environmental impact

Energy Efficiency

Providing services that effectively reduce the demand for or use of energy services

Research, Development & Administration

Providing services that contribute to the development, support, awareness, or overall success of improved, cost efficient technologies and practices for green businesses

To begin the path to greening your career, or to find a green job near you, visit
www.greenjobs.state.nm.us

Mobile Green Jobs Workforce Center

Coming soon to a town near you!

- Training resources & information
- Job and employer information
- One-on-one assistance to help you green your career



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Introduction to Green **PATHWAYS**

New Mexico's green economy is growing. New Mexico has an abundance of renewable energy resources ranking 2nd in the nation for solar, 12th for wind, and 7th for geothermal resources.

The growth of the green economy means the growth of green jobs. Green economy activities can increase the demand for certain jobs, alter the skill-set of some existing jobs, or create completely new jobs with unique skills and tasks. Plus, not only can a job be green, but its level of greenness can vary based on the tasks completed.

The New Mexico Department of Workforce Solutions has identified four core areas of green business activities and green jobs. Green activities and jobs could fall under one or more of the following four core areas:

- **Renewable Energy:** Producing energy using renewable resources and/or providing services that support production, storage, and transmission of renewable energy
- **Clean Manufacturing:** Manufacturing products that support green activities and/or reducing production waste and environmental impact
- **Energy Efficiency:** Providing services that effectively reduce the demand for or use of energy services
- **Research, Development & Administration:** Providing services that contribute to the development, support, awareness, or overall success of improved, cost-efficient technologies and practices for green businesses

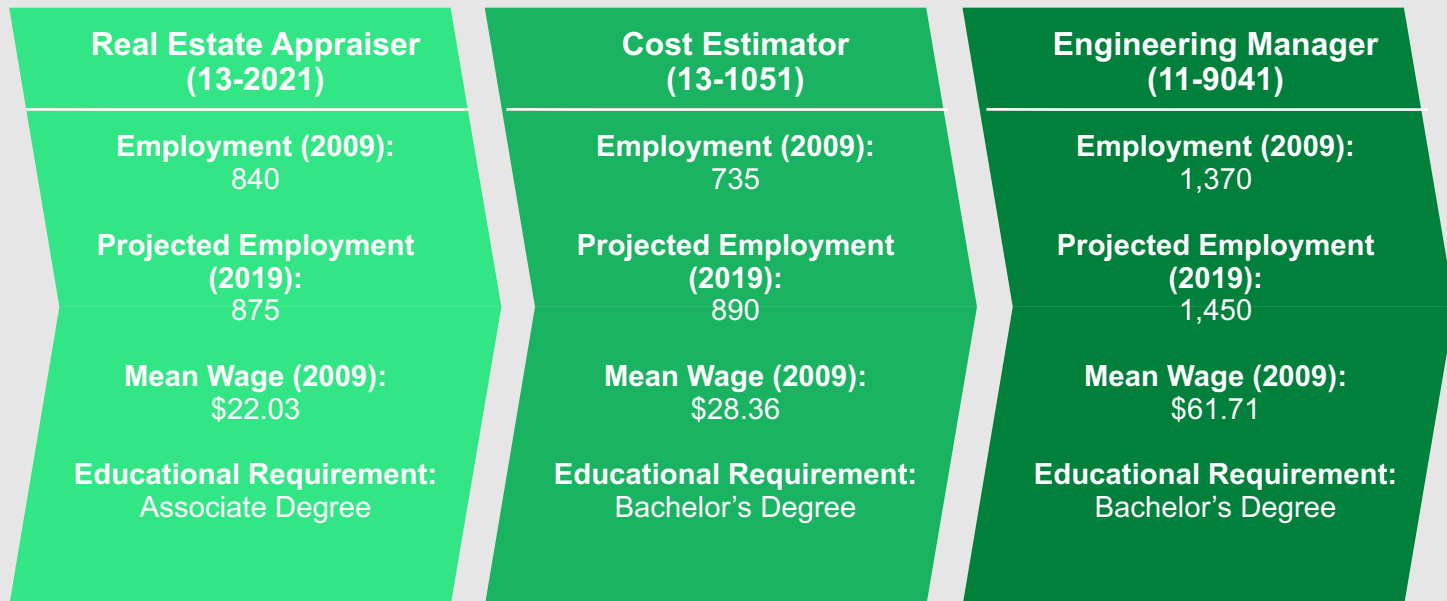
Initial labor market data on green jobs shows that green jobs are accessible to a broad group of workers. Green jobs range from entry-level positions to positions that require advanced degrees and extensive job experience. This means that workers can begin a career in an entry-level position and have the opportunity to advance, over time, into better paying, more skilled positions.

Here are some example career pathways in the green workforce. The occupations shown represent traditional jobs that are often green, depending on the products produced and/or service provided. These job progressions are grouped based on the green core area they would typically be associated with. For example, with an associate degree, a worker could get a job as a conservation technician. With a little more on-the-job experience and skills attainment, that worker could advance to become an environmental protection technician. Finally, the worker may earn his or her bachelor's degree while working and be able to advance to become a conservation scientist.

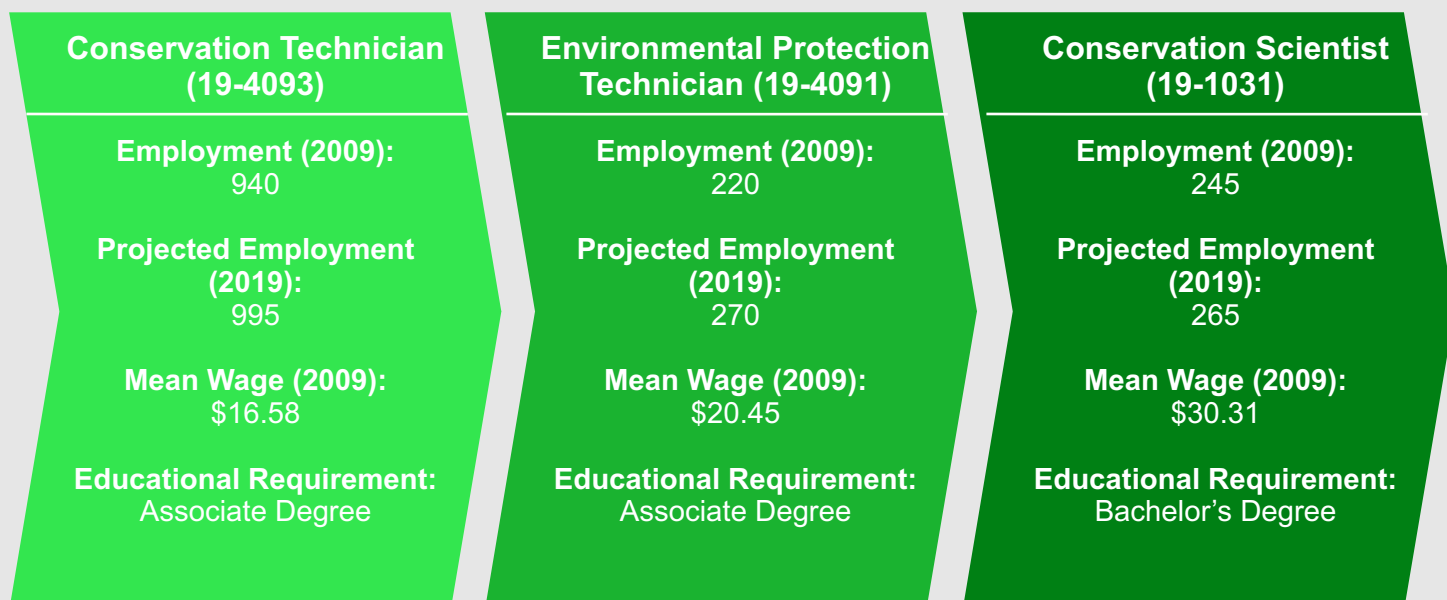
Note: Pathways were created using information from the "New Mexico Career Clusters Guidebook," prepared by Public Works LLC for the Governor's Workforce Coordination and Oversight Committee in 2006, and information gathered by the Department of Workforce Solutions, Economic Research & Analysis Bureau through the green jobs Labor Market Improvement Grant. Pathways are based on New Mexico's 7 identified career clusters and are broad examples of potential career paths and do not serve as strict definitions. For detailed information on education programs and certifications for green jobs, including those listed, and additional interactive career tools for job seekers and students, please visit www.greenjobs.state.nm.us.

Career Pathway Example for Research, Development, & Administration

NM Career Cluster: Engineering, Construction, Agriculture, Manufacturing
Career Pathway: Project Management



NM Career Cluster: Energy & Environmental Technology
Career Pathway: Health, Safety & Environmental Regulations



Career Pathway Example for Research, Development, & Administration

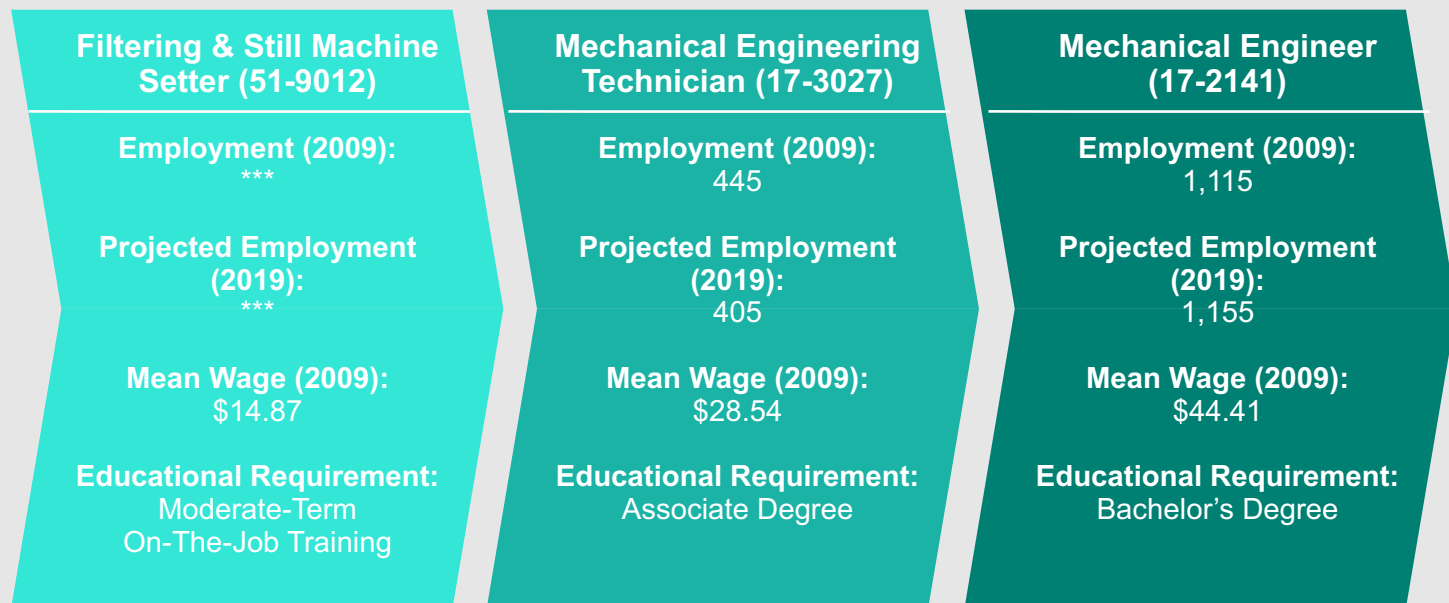
NM Career Cluster: **Health & Biosciences**
Career Pathway: **Basic Science**

Chemical Technician (19-4031)	Chemist (19-2031)	Biochemist (19-1021)
Employment (2009): 320	Employment (2009): 170	Employment (2009): ***
Projected Employment (2019): 310	Projected Employment (2019): 170	Projected Employment (2019): ***
Mean Wage (2009): \$29.76	Mean Wage (2009): \$42.15	Mean Wage (2009): \$42.95
Educational Requirement: Associate Degree	Educational Requirement: Bachelor's Degree	Educational Requirement: Doctoral Degree

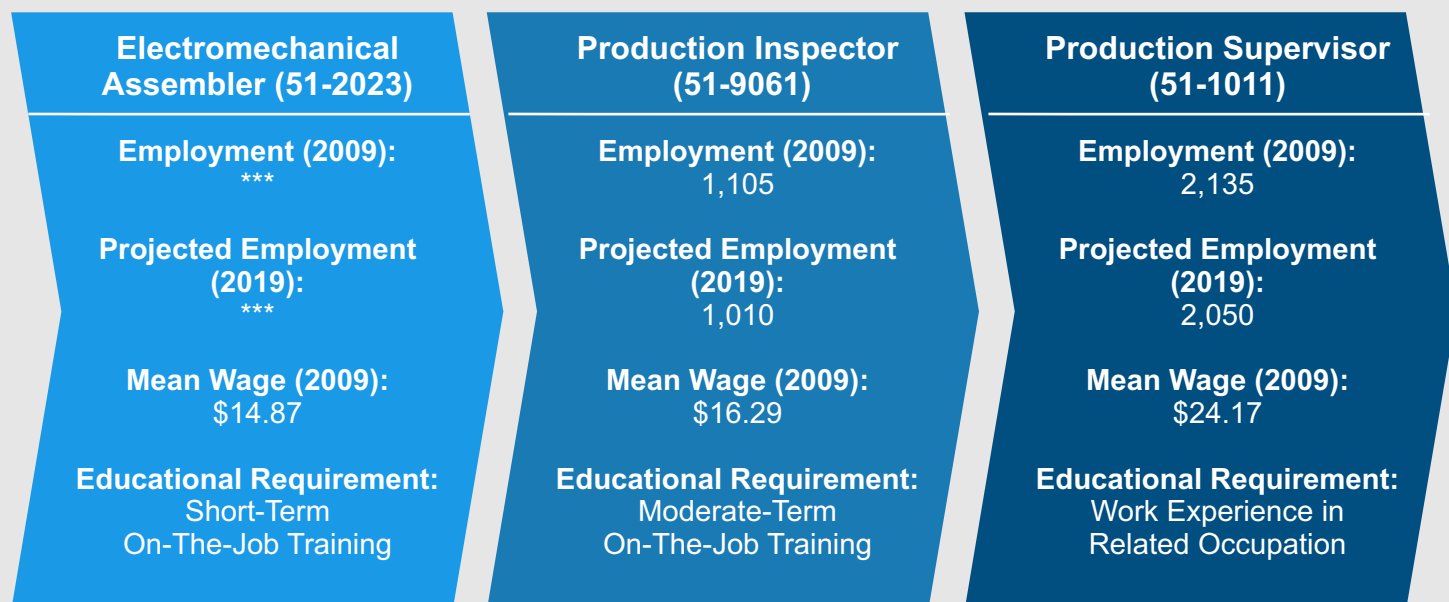


Career Pathway Example for Clean Manufacturing

NM Career Cluster: Energy & Environmental Technologies
 Career Pathway: Process Engineering



NM Career Cluster: Energy & Environmental Technology
 Career Pathway: Process Engineering



Career Pathway Example for Clean Manufacturing

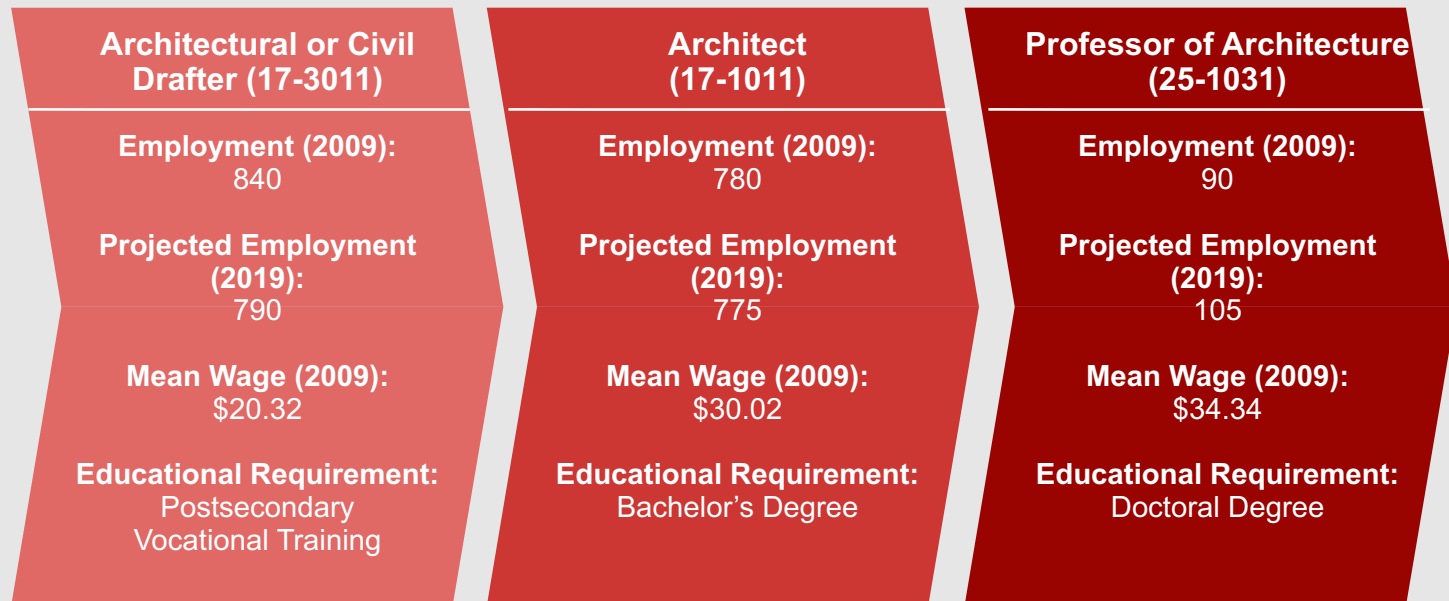
NM Career Cluster: **Engineering, Construction, Agriculture, Manufacturing**
Career Pathway: **Agribusiness**

Agricultural Equipment Operator (45-2091)	Food Scientist & Technologist (19-1012)	Agricultural Inspector (45-2011)
Employment (2009): 500	Employment (2009): 40	Employment (2009): 70
Projected Employment (2019): 460	Projected Employment (2019): 40	Projected Employment (2019): 75
Mean Wage (2009): \$14.56	Mean Wage (2009): \$18.98	Mean Wage (2009): \$20.10
Educational Requirement: Short-Term On-The-Job Training	Educational Requirement: Bachelor's Degree	Educational Requirement: Work Experience in Related Occupation

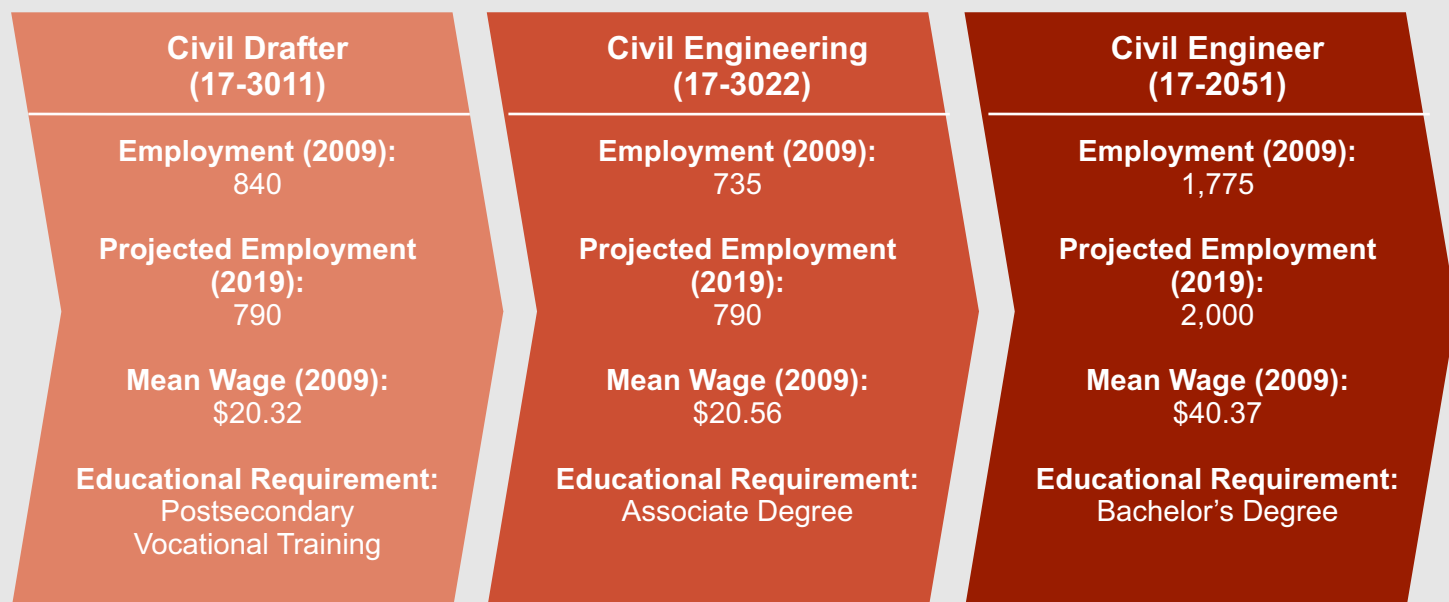


Career Pathway Example for Energy Efficiency

NM Career Cluster: Engineering, Construction, Agriculture, Manufacturing
Career Pathway: Architecture & Drafting



NM Career Cluster: Energy & Environmental Technology
Career Pathway: Civil Engineering



Career Pathway Example for Energy Efficiency

NM Career Cluster: **Engineering, Construction, Agriculture, Manufacturing**
Career Pathway: **Construction**

Construction Laborer (47-2061)

Employment (2009):
14,855

Projected Employment
(2019):
17,015

Mean Wage (2009):
\$11.79

Educational Requirement:
Moderate-Term
On-The-Job Training

Construction Supervisor (47-1011)

Employment (2009):
6,360

Projected Employment
(2019):
6,995

Mean Wage (2009):
\$26.74

Educational Requirement:
Work Experience in
Related Occupation

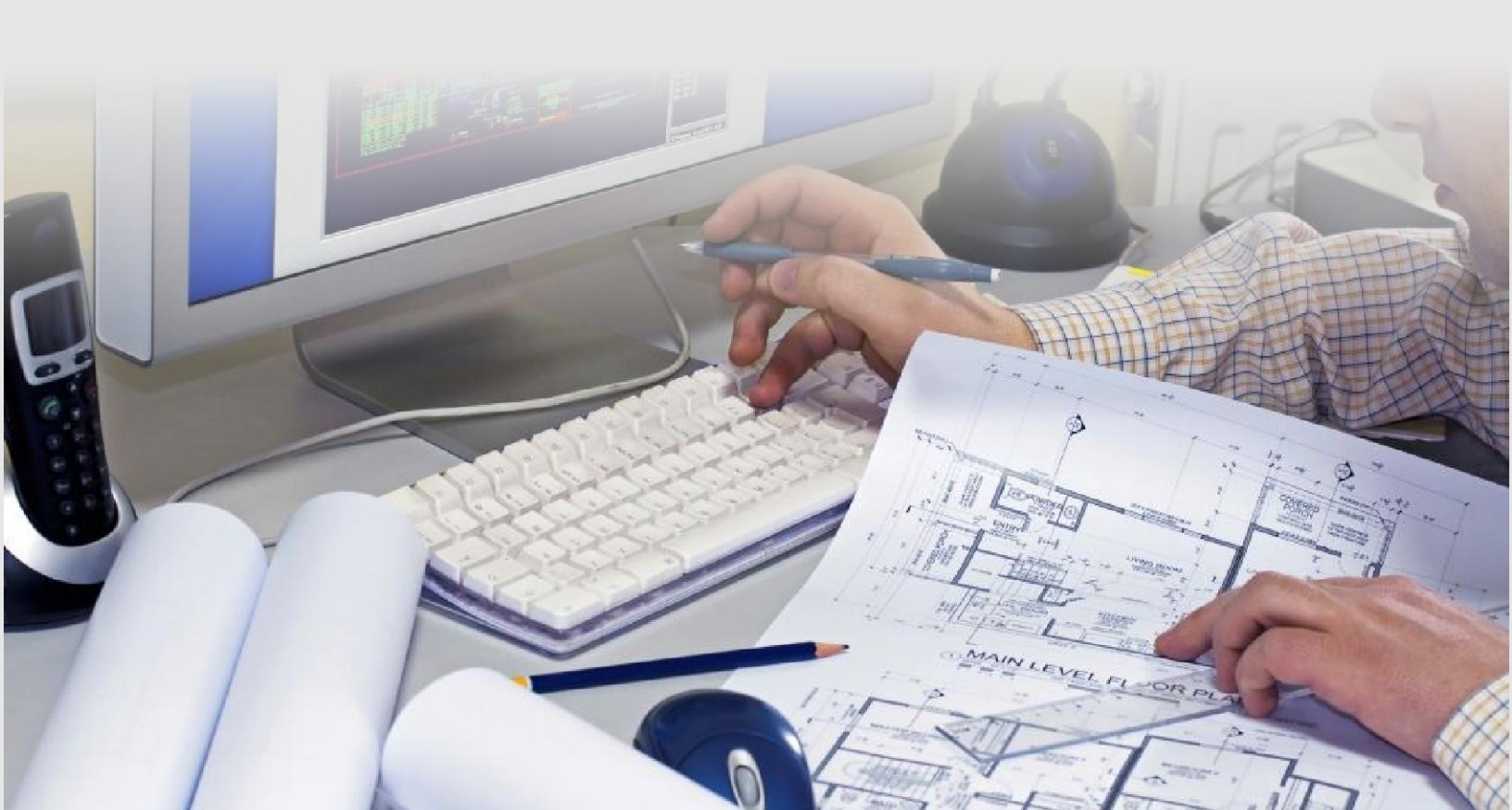
Construction Manager (11-9021)

Employment (2009):
4,184

Projected Employment
(2019):
4,635

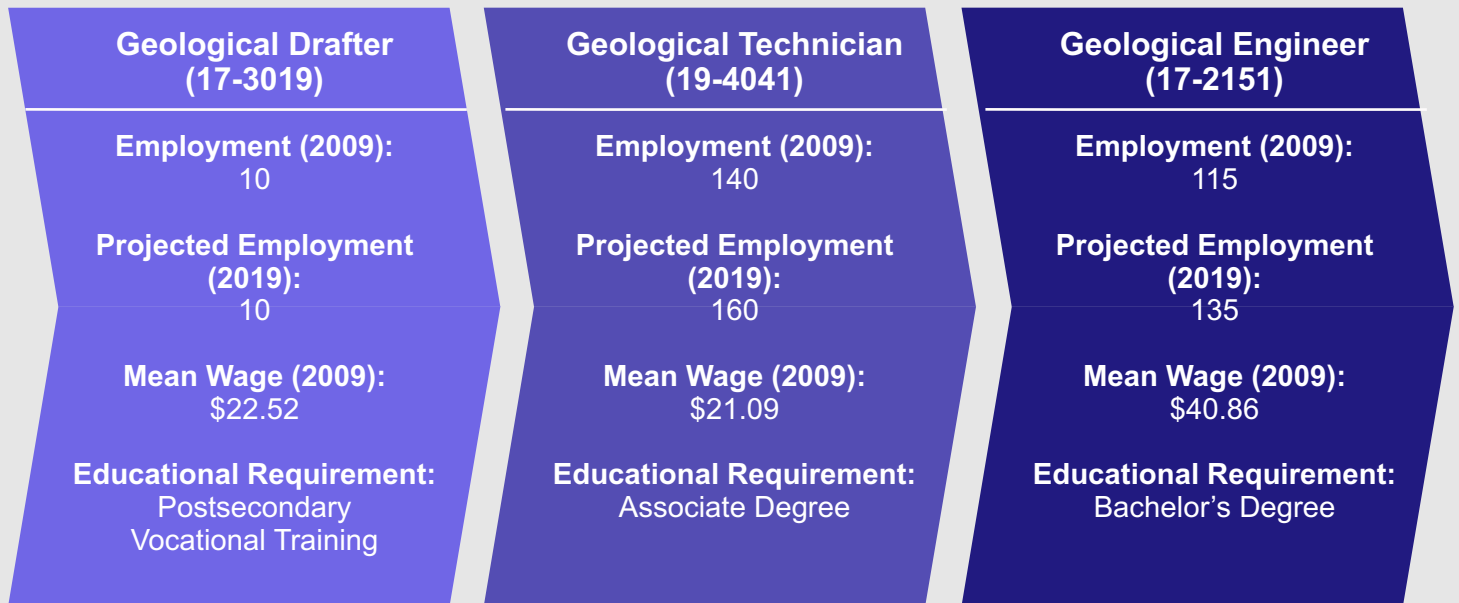
Mean Wage (2009):
\$33.35

Educational Requirement:
Bachelor's Degree

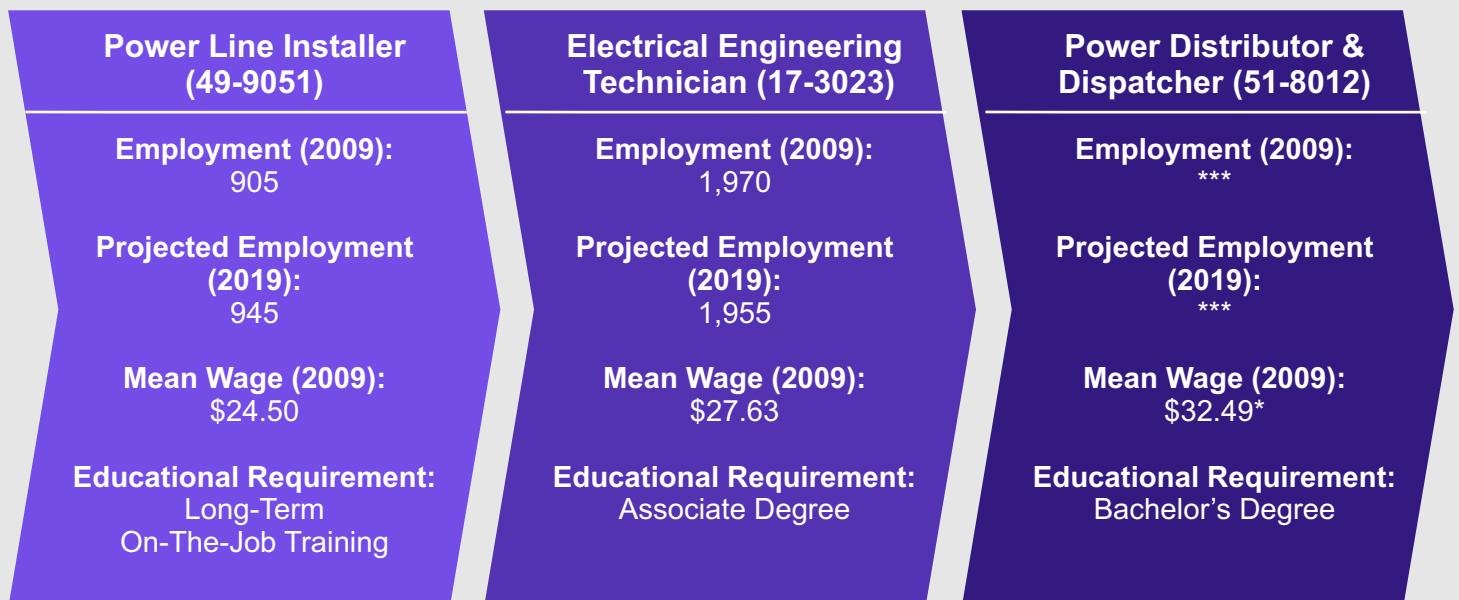


Career Pathway Example for Renewable Energy

NM Career Cluster: Energy & Environmental Technologies
 Career Pathway: Environmental Systems



NM Career Cluster: Energy & Environmental Technology
 Career Pathway: Maintenance Operations



* Wage represents national estimate due to confidentiality at the state level.

Career Pathway Example for Renewable Energy

NM Career Cluster: Energy & Environmental Technologies
Career Pathway: Machining, Instrument & Electrical

Welder, Solderer or Brazer (51-4121)	Electrician (47-2111)	Electronics Engineer (17-2072)
Employment (2009): 1,985	Employment (2009): 4,085	Employment (2009): 1,835
Projected Employment (2019): 1,990	Projected Employment (2019): 4,345	Projected Employment (2019): 1,900
Mean Wage (2009): \$19.95	Mean Wage (2009): \$22.20	Mean Wage (2009): \$46.93
Educational Requirement: Postsecondary Vocational Training	Educational Requirement: Long-Term On-The-Job Training	Educational Requirement: Bachelor's Degree





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