

Apprenticeship Programs for Clean Tech Jobs



The International Association of Nanotechnology, in partnership with the Clean Tech Institute, announces a pioneering approach to hiring in the Clean Tech Jobs Sector for the 21st century. This project is funded in part by the U. S. Dept. of Labor under the auspices of President Obama's High Growth Job Training initiative.

The Clean Tech Institute provides advanced training in Nanotechnology, Solar, Wind, Bio-Fuels and other alternative clean tech solutions. Our students are degreed professionals in Engineering, Science, Economics, Law, Business, Marketing and Sales with a minimum of three years of professional experience. They have made a decision to enter into these new Clean Tech fields and are driven to succeed.

This apprenticeship program allows your company to employ these professionals at below market rates, and grow them into your business model.

If you are interested in learning more about this creative, cost savings approach to bringing talented professionals in to your business, please contact us at 408.280.6222.

Please complete the Apprentice Sponsorship Form:
<http://www.ianano.org/Apprentice.html>

Clearly a Win/Win solution for employers and employees.

Benefits of Apprentice Program for Employers

- Time tested way to train employees
- Cost-effective way to hire motivated employees
- Wage progressive and flexible system to meet your company's needs

How we help

- Help to create and market your apprentice program
- Screen resumes based on your requirements
- Free posting on our job board
- Access to CNCP trained professionals (students who completed our Certified Nanotech & Cleantech Professional course)



Nanotech & Clean Tech Apprenticeship

- Time-tested training system
- Comprehensive on-the-job training
- Supervision by qualified mentors
- Time-based or competency-based
- Combines related technical instruction
- Wage progressions are tied to skills attainment
- Systematic and cost-effective training



How the Apprenticeship Works

- Employer Committee interviews and hires prospective apprentice
- Apprentice learns industry-specific skills and competencies
- Mentor coaches and supervises the apprentice
- The apprentice is required to attend classroom training to supplement on-the-job training
- U.S. Department of Labor confers a Certificate of Completion when the apprentice masters the required competencies



Certified Nanotech & Clean Tech Professional 8 Week Course Schedule

Nano Tech

- Introduction to Nanoscience and Nanotechnology
- Nanomaterials- Carbon Nanotubes
- Nanotech & Clean Tech Business
- Surface and Thin Film Technology
- Nanofabrication
- Nanomaterials Characterization
- Nanobiotechnology & Nanomedicine
- Using Scanning Electron Microscope
- Group Presentation

Clean Tech

- Clean Tech Business Landscape
- Solar Energy and Photovoltaic
- Biofuels
- Green Building
- Electric Cars
- Environmental Perspectives from the EPA
- Clean Tech Laws & Regulations
- Group Presentation
- Review
- EXAM

Laboratory Training

- Hands-on learning how to use a Scanning Electron Microscope (SEM)
- Use the SEM to examine nanostructured samples
- Micro-Nanofabrication of a computer chip
- Nanofabrication techniques of nanomaterial thin film solar cell

SUPPORTING PARTNERS:

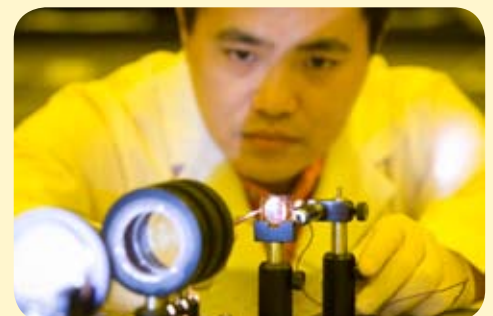
- NASA Nanotechnology Center
- Lawrence Berkeley National Laboratory
- Lawrence Livermore National Laboratory
- Global Crown Capital
- Combimatrix, Inc.
- NanoGram Corporation
- Quantum Sphere, Inc.
- Antibodies, Inc.
- SDC Materials, Inc
- NanoScience Exchange
- Berkeley City College
- National Hispanic University
- Institute for Community Inclusion
- Work2Future Workforce Investment Board
- NOVA Workforce Investment Board
- Alameda Workforce Investment Board
- Oakland Workforce Investment Board
- California Manufacturing Technology Consulting
- California State Employment Training Panel
- California Community Colleges Workplace Learning Initiative

CO-MANAGED BY:

- International Association of Nanotechnology

SPONSORED BY

- Clean Tech Institute



Apprentice Sponsorship Form

Attention Employers! Job Openings:

If your company is interested in becoming an apprentice sponsor, please select from the list below to indicate the job opening(s).

- Nanotech Engineer
- Assistant Nanotech Engineer
- Nanotechnologist-Scientist
- Research Assistant
- Lab Technician
- Lab Assistant Manager
- Marketing Manager
- Marketing Associate
- Marketing Assistant
- Clean Energy Consultant
- Sales Representative
- Assistant Sales Manager
- Project Manager
- Assistant Project Manager
- Photovoltaic Design Engineer
- Photovoltaic Researcher
- Photovoltaic Lab Technician
- Photovoltaic Appraiser
- Photovoltaic Installer
- Production Manager
- Assistant Production Manager
- Quality Control Manager
- Biofuels Specialist
- Assistant Quality Control Manager
- Sustainability Manager
- Sustainability Assistant Manager
- Nanotoxicologist
- Renewable Energy Specialist
- Thin Film Photovoltaic Engineer
- Thin Film Photovoltaic Researcher
- Thin Film Photovoltaic Technician
- Wind Energy Engineer
- Other: _____
- _____
- _____

Time frame:

- Immediate
- From 1-3 months
- From 3-6 months
- Long Term

Please fill out the information below and fax to **408.280.6255** or go online:

<http://www.ianano.org/Apprentice.html>

Prefix: Prof. Dr. Mr. Mrs. Ms.
First Name: _____ M.I. _____
Last Name: _____
Title: _____
Organization: _____
Mail-Stop/Dept: _____
Address: _____
City: _____ State: _____
ZIP/Postal Code: _____
Work Phone: _____
Cell Phone _____
E-Mail: _____

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<http://www.workforceinstitute.us>

International Association of Nanotech

1290 Parkmoor Avenue, San Jose, CA 95126 USA

Tel: 408-280-6222 Fax: 408-280-6255

E-mail: info@cianno.com

www.ianano.org

This training program is partially funded by a grant from the President's High Growth Job Training Initiative under the U.S. Department of Labor - Employment Training Administration - EOE.