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Los Angeles Trade Technical College: Clean Energy Pre-Apprentice Program

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Division of Workforce and Economic Development

Los Angeles Trade-Technical College

CEPA Program Overview

- \$1,000,000 to train 150 participants; 128 complete training (75% Low-Income & Special Populations)
- Training in renewable energy and energy efficiency/retrofit, utility technology, including distribution fundamentals and installation of utility-scale solar energy
- Performance Goal(s): 98 placed in unsubsidized employment; 70 retained in employment 6 months post-training

College Location & Background

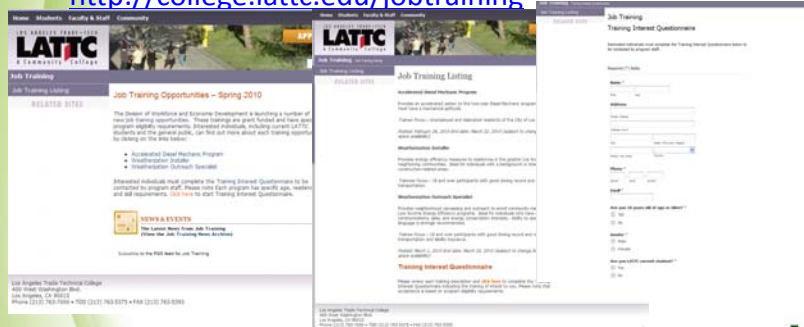
- No/Low Academic History - Adults:
 - 55.2% of Do Not Have HS diploma, GED
 - 35.0% have less than a 9th grade education
 - rate 23.6% higher rate than LA
- No/Low College Going Culture – 18 – 24 yr olds:
 - Only 35% enrolled in post-secondary education
 - rate 34.7% lower than LA
- No/Limited English Speaking - Adults:
 - 65.1% non-native English speaking
 - 34.7% limited or non-English speaking
 - rate 25.20% higher than California, 31.60% higher than US

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Trainee Outreach and Recruitment

- Work with Community Based Organizations, City/County WIB and WorkSource Providers, LA Conservation Corps, California Conservation Corps LA Urban League, and others
- Direct Outreach through LATTC Job training Portal
<http://college.lattc.edu/jobtraining>



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Clean Energy Training Topics and Workshops

- Electrical Lineworker (Female Lineworker Program)
- Solar PV Installer
- Solar Thermal
- Green Plumbing
- Weatherization & Energy Efficiency Installer
- Outreach Assessor – (entry level) position
- Sustainable Lighting Technician
- Energy Auditors/Home Raters

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Overview of LATTC Training Facilities

- Classroom and Laboratories
 - Solar PV Installer Facility
 - 1500 sq ft HVAC Lab with Combustion Appliance Zone Training Area & Furnace Inspection Area
 - 1000 sq ft Weatherization Lab
 - 800 sq ft Sustainable Lighting Lab
 - 3000+ Electrical Construction and Maintenance
 - Electrical Lineworker Outdoor Field



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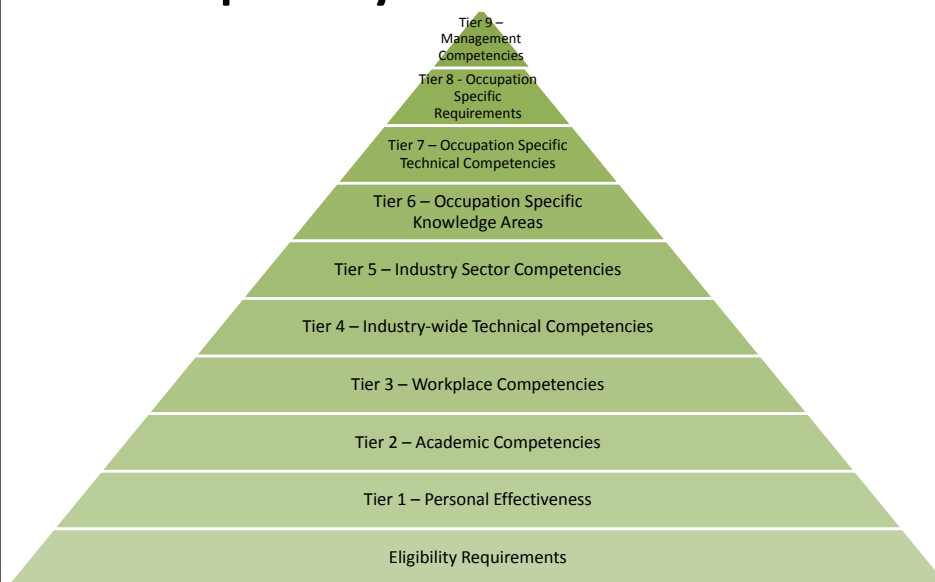
Faculty and Program Certification & Accreditation

- Over 20 Full-Time & 40+ Part-Time faculty Building and Construction trades
- Integrate components as much as possible into core Program
- Building Performance Institute (BPI)
- North American Technician Excellence (NATE)
- North American Board of Certified Energy Practitioners (NABCEP)
- Home Energy Rater System Provider
- Green Plumber

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Competency Model Framework

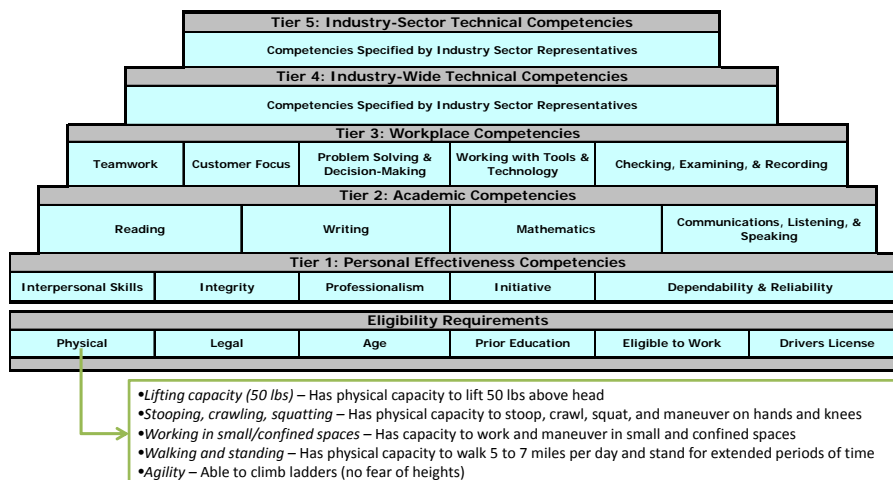


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Competency Model Framework

Building Block Competencies for Utilities Careers



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Prep Programs – Getting Participants Engaged

• Objectives

- Prepare Individuals for Entry-Level Occupations or Apprenticeship Programs
- Employment Readiness
- Math/English Competencies
- Basic Knowledge, Skills and Abilities

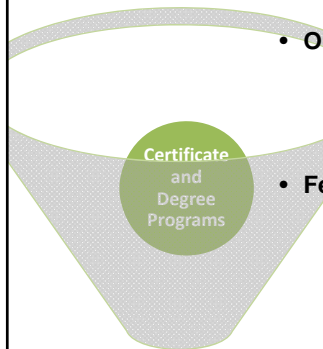
• Features

- Short-Term, Mostly Not-For-Credit
- Overview of Industry/Career Pathway(s)
- Employment Barriers/Eligibility Requirements
- Multiple Diagnostic Assessments Used
- Contextualized Math & English to Industry/Career
- Cohort-Based; Placed by Skill Level
- Competency Model Framework
 - Focuses on Tiers 1-5
 - Exposure to Tiers 6-7

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Certificate/Degree Programs Career Ladders



- **Objectives**
 - Prepare Individuals for Entering and Advancing Industry/Career Ladder
 - Prepare Individuals to Pursue a 4-Year Degree
- **Features**
 - “Stackable” programs that culminate in multiple certificate and degree options
 - Each certificate/degree is linked to an industry-recognized certificate, credential
 - Provide options for individuals to pursue multiple career pathways in one or more industry sectors

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Training Challenges

- Jobs, jobs, jobs...where are they
- Tremendous basic Math and English Skill deficiencies (7th grade and below)
- Lack of technical background, exposure and skill level of participants
- Work ethic, job requirement knowledge (e.g. DMV driving record, etc)
- Innovation can be problematic (boot size for female lineworkers)
- Limiting participants – LATTC reached its goal (150)

Employment and Placement

- College invites employers to recruit directly after training completion; **Direct** access to trained individuals who want to work
- Employers have access to:
 - Trainee skill certification results (Rubric) & Instructor Feedback
 - DMV Printout
 - Interview on campus or at selected work site
 - Provide feedback to instructional team to improve training
 - Up to one month On Job Training*

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Additional Information

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