



**Green College Initiative and Utility Construction Prep Program  
Los Angeles Trade-Technical College, Los Angeles, CA**

Los Angeles Trade-Technical College is a community college serving greater Los Angeles and enrolling about 27,000 students each year. Most of the students take vocational career programs and most enter the school with gaps in their formal education. In 2007, LA Trade-Tech launched a Green College Initiative adding dozens of green-integrated courses and offering four green-related degree and certificate programs. Its green vocational curriculum focuses on these areas: green automotive technology, green construction, renewable energy technologies and water saving technologies. In 2007, the college also launched several green workforce development initiatives through its Regional Economic Development Institute (REDI). One initiative studied the supply and demand for workers in green construction, green transportation and energy. The green workforce development group is now developing curriculum for an Alternative Fuels and Solar Technician program, a Fuel Cell Technical program and a Green Business Certification program. These learning programs serve all Los Angeles residents but particularly those who have not finished high school or who are unlikely to pursue college, including the formerly incarcerated and adults who have been out of a school setting for many years.

This case study is current as of April 2009. For more information, visit <http://www.lattc.edu/dept/lattc/WED/GCIPrograms.html>, or contact Marcy Drummond, [drummomj@lattc.edu](mailto:drummomj@lattc.edu).

<p><b>Training methodology</b></p>	<p>The Green College Initiative includes courses in classroom and hands-on training in various green fields.</p> <p>The Utility Construction Prep Program includes:</p> <ol style="list-style-type: none"> <li>1. General remedial classes in math, English/writing/reading, workplace readiness and financial literacy. And</li> <li>2. Career Technical Education in Construction, Design and Manufacturing, with the following specialties including green components: architecture, carpentry, refrigeration HVAC solar thermal, PV solar, chemical technologies, alternative fuels, solid waste, wastewater technologies, water supply technologies. It is an intensive 7-week program for getting exposure to the building trades through pre-apprenticeship training.</li> </ol>
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**This case study is meant to give a snapshot of the program profiled here. For the most up to date information on this program, please visit their website**

<b>Participants and how recruited</b>	The Green Initiatives College is for any resident of greater Los Angeles. The Utility Construction Prep Program targets those who are “disconnected” from the mainstream economy – undereducated, under-prepared and unemployed young adults (ages 18-24 years) and other adults in Los Angeles County. About three-quarters of the participants in the Utility Construction Prep Program are formerly incarcerated.
<b>Green program from the outset?</b>	Originated as a community college vocational program. In 2006 through 2008 extensive effort made to green the program. Now 55 courses and four degree certificate programs are green-related.
<b>Length and frequency of training</b>	Green College Initiative courses are semester long courses. Utility Construction Prep Program courses are 7 weeks long. New program begins every 8 weeks.
<b>Include on-the-job training or paid apprenticeships?</b>	The program includes pre-apprenticeship training.
<b>Key relationships</b>	<p>Primary relationship is with LA Infrastructure and Sustainable Jobs Collaborative, with whom it studied demand for green laborers. LA Trade-Technical also has relationships with</p> <ul style="list-style-type: none"> <li>• Archdiocesan Youth Employment Services</li> <li>• Electrical Training Institute of Southern California and IBEW Local 11</li> <li>• Los Angeles Department of Water &amp; Power</li> <li>• Los Angeles Urban League</li> <li>• Metropolitan Water District of Southern California</li> <li>• Piping Industry Progress &amp; Education Trust Fund</li> <li>• Reinforcing Ironworkers, Local 416</li> <li>• Southern California Gas Company</li> <li>• The IBEW, Local 18-LADWP Joint Training Institute</li> <li>• The Southern California Painters and Allied Trades Union</li> <li>• UAW Labor Employment &amp; Training Corp.</li> <li>• Watts Youth Opportunity Program</li> <li>• Women in Non-Traditional Employment Roles</li> </ul>
<b>Eligibility</b>	The Utilities and Construction Prep Program includes a physical fitness component and intensive math and English courses. Following this, students move on to construction and green career classes.

	<p>Upon completion of the Utilities and Construction Prep Program students are ready either to move into employment or to continue in educational programs to obtain certificates or degrees in either field.</p>
<p><b>Credentials</b></p>	<p>NABCEP approved and are on the NABCEP provider list. However, there is no standardization in curriculum. There is an effort underway to pull together a state-wide consortium for green building construction for high schools &amp; community colleges; funded by the CA WIB &amp; DOE.</p>
<p><b>Placement and follow-up services</b></p>	<p>The program includes employment Readiness and Placement and Supportive Services such as the Worksource Center and the Women’s Training Program in Non-Traditional Careers.</p>