

STRIPE Green Technology Pre-Apprenticeship Program

How does green technology influence how a building is built? From water to lights to heating and cooling to ventilation, you will learn about environmental standards in the building and construction industry.

The goal of STRIPE's **green technology** pre-apprenticeship program is to prepare students with the latest technology in electrical, water, and environmental systems that comply with green standards established by LEED in the construction industry. In our program, you will learn about the impacts of **green technology** on four specific trades:

- **Carpenters** often become general contractors and need to understand energy conservation in all phases of a building from how to create, conserve, transport, and use energy in efficient and effective ways.
- **Electricians** create complex energy efficient lighting and energy management systems that make a building 'smart'.
- **Plumbers** create energy efficient transport systems that move liquids and gases in, around, and out of buildings (i.e.: water, wastewater, reclaimed water) that maximizes on water conservation.
- **Sheet metal workers** create environmental distribution and control systems that make a building 'smart' (heating, cooling and ventilation).



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What will you learn in this 8 week introduction course?

- Life cycle phases of a building and the impacts on the environment over its life cycle
- Retrofitting commercial and industrial buildings with energy efficient solutions
- New building techniques that incorporate energy efficiency into the design
- Renewable energy sources that produce clean solutions
- Distributed generation systems and utilities
- Smart grids

Why take this course?

This course is a perfect introduction into many apprenticeship careers in construction and transportation infrastructure. You will gain a strong foundation for **green technology** in commercial and industrial buildings. This is the wave of the future.

What is your next step?

Sign up at American River College today for STRIPE's **Green Technology Course (PREAP-141)**. Course runs for 8 weeks (Monday – Thursday, 7:30 am – 3:30 pm).

You earn 8 college units. Financial aid may be available.

Call **916-286-7922** for current class schedule.

For more information call 916-286-7922 and visit our website www.ProjectStripe.org



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