

# Green Building

Peninsula College offers an Associate of Applied Science degree in the Green Building Trades. As noted in the Partnership for Sound Energy Efficiency Development (SEED) narrative, "It (the built environment) offers one of the richest opportunities to affect climate change and reap the rewards of reduced energy consumption this program provides students with sufficient skills to construct, retrofit, manage and maintain buildings for the greatest energy efficiency. Instruction consists of classroom presentations and hands on training in lab settings and in the building of a residential home.

## Degree & Certificate Options

- Green Building AAS Degree
- Green Building-Carpentry One-Year Certificate

## Short-Term Proficiency Certificates

- Green Building
- Green Building: Cabinetry and Finish Carpentry
- Green Building: Construction Leadership
- Green Building: Engineered Building Materials and Methods
- Green Building: Urban Homesteading and Carpentry

**Program:** Green Building and Sustainable Agriculture

**Type:** Professional Technical Program

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Total credits for degree:

## STUDENT LEARNING OUTCOMES

Upon completion of this program, students will be able to:

- Use hand tools and power machinery safely, accurately, and efficiently
- Perform all aspects of basic carpentry, including residential and light commercial framing, roof construction, decks and stair systems, and finish carpentry
- Research, plan, design, and build structures in compliance with the International Building Code
- Design and build structures using Engineered Building Materials and Methods
- Perform an energy analysis on an existing structure
- Research, plan, and design an energy efficient plan modification for an existing blueprint
- Design and build a structure applying advanced framing, air infiltration, and other Green Building Techniques