

# Construction Technology (Formerly Green Building)

The Construction Technology 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. This program partners with the North Olympic Peninsula Builder Association, the Future Builders Program, the Construction Center of Excellence, and the Clallam Historical Society.

The Construction Technology program offers courses in carpentry, woodworking, green building, construction leadership, and alternative building materials that prepare students 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

- Construction Technology AAS Degree
- Construction Technology-Carpentry One-Year Certificate

## Short-Term Proficiency Certificates

- Construction Technology Leadership
- Cabinetry and Finish Carpentry

### Construction Technology

## Student Learning Outcomes

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

- Use hand tools and power machinery safely
- Perform all aspects of basic carpentry
- Perform energy efficient tasks on a new residential structure
- Perform an energy analysis on an existing structure
- Research, plan, design, and implement an energy efficient retrofit plan
- Develop and design a building retrofit that meets Leadership in Energy Environmental Design (LEED) and International Living Building Institute (ILBI) standards