



AAS Degree

Construction Technology

Year One (Sample schedule)

Quarter One (Fall)

- GRBD 101 Introduction to Woodworking3
- GRBD 105 Blueprint Reading3
- GRBD 106 Foundations & Framing5
- HUMDV 120 Human Relations3
- F A 100 Industrial First Aid1

Quarter Two (Winter)

- GRBD 102 Woodworking II (Cabinetry)5
- GRBD 108 Roof Systems5
- CAT 140 Excel5

Quarter Three (Spring)

- GRBD 103 Finish Carpentry5
- GRBD 107 Siding, Decks, Stairs5
- AMATH 121 Applied Math5

Year Two (Sample schedule)

Quarter Four (Fall)

- GRBD 206 Green Building, Concepts & Design5
- GRBD 210 Jobsite Management3
- ENGL& 101 English Composition I5
- Elective, Internship, or Special Project3

Quarter Five (Winter)

- GRBD 215 Carpentry Estimation3
- GRBD 220 Alternative Building Methods5
- BUS 210 Business Plan Intensive5
- Elective, Internship, or Special Project3

Quarter Six (Spring)

- GRBD 212 Engineered Building Materials and Methods5
- GRBD 225 Construction Management3
- Elective, Internship, or Special Project5

Total Credits Required 90

Specifics

Length of Program

Courses with prerequisites, and the placement level of the student, may extend the length of program listed on this page.

Which Quarter Can I begin?

The typical student schedule is based on entering the program during the fall quarter, however some programs allow students to enter in the winter or spring as well. Since not all do, please confirm with an advisor whether this program must be started during a specific quarter or not.

Details

Completion Award: AAS Degree
Length of Program: 6 Quarters
Program Code: CARCTAPT

Program Coordinator (contact with questions)

Patrick Nickerson (360) 417-7972
 Office: P1G pnickerson@pencol.edu

Apply online: <http://pencol.edu/GetStarted>

Notes



AAS Degree

Construction Technology

Program Description

Peninsula College’s Construction Technology program is an important component to the college’s commitment to workforce training in sustainable industries. The Associate of Applied Science degree in Construction Technology offers a comprehensive program designed to prepare students for employment in sustainable green construction trades, alternative building materials and methods and construction management. Foundation classes cover basic woodworking, foundations framing, roof systems and alternative energy. Core courses teach students green building concepts and design, engineered building materials, blueprint reading and alternative building methods. Capstone classes include jobsite management, construction leadership and estimation. Instruction consists of classroom presentations, hands-on training in lab settings and online learning modules.

Student Learning Outcomes

When this program is completed, the student 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.

Career Opportunities

Graduates of the Construction Technology program may find entry-level positions in residential and small commercial carpentry businesses and other related companies. Some graduates may elect to start their own green-based building business. The demand for carpenters with Green Construction skills is expected to increase over the next decade.

Potential Positions and Earning

Potential positions include carpenter, cabinetmaker, framer, form builder, construction management. For current employment and wage estimates, please visit and search for the relevant occupational term: www.bls.gov/oes

Assessment

Students are required to place into the English and math/applied math courses required for this program. Learn more about placement options by visiting the Assessment and Placement website: <http://www.pencol.edu/placement-testing>

Approximate Additional Costs

| | |
|---|----------|
| Books, supplies and miscellaneous fees (per quarter)..... | \$150.00 |
| Tools and equipment (optional – see below) | \$300.00 |

(Equipment Cost – Most of the tools are provided. If a student would like to purchase their own tools and equipment at their own expense the cost would be \$300.00 or more depending on the tools)