



# Certificate

## Welding Technology

### Year One (Example)

#### Quarter One (ie: Fall)

- HUMDV 120 Human Relations .....3
- WELD 110 Beginning Welding & Metal Fabrication I.....15

#### Quarter Two (ie: Winter)

- ENGL& 101 English Composition I.....5
- WELD 120 Beginning Welding & Metal Fabrication II .....15

#### Quarter Three (ie: Spring)

- AMATH 121 Applied Math for Prof Tech Programs I.....5
- WELD 130 Beginning Welding & Metal Fabrication III .....15

**Total Credits Required 58**

### 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:** Certificate  
**Length of Program:** 3 Quarters  
**Program Code:** WETWTC45

#### Program Coordinators (contact with questions)

Eoin Doherty (360) 417-6541  
 Office: Q-14 [edoherty@pencol.edu](mailto:edoherty@pencol.edu)

Kelly Flanagan (360) 417-6541  
 Office: Q-14 [kflanagan@pencol.edu](mailto:kflanagan@pencol.edu)

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

#### Notes



## Certificate

# Welding Technology

### Program Description

This two-year competency-based program leads to an Associate of Applied Science (AAS) degree in Welding Technology and provides training for skills and related technical knowledge necessary for advancement in the metals industry. Instruction includes classroom study as well as extensive practice in the welding lab. Peninsula College provides American Welding Society (AWS) certification testing for students in an approved facility on the campus.

### Special Features

- In-house certification prepares students to take AWS certification examinations.
- In addition to the AAS and one-year certificate, this program offers short-term certificates in welding skills.
- The instructors of the Welding Technology program are certified welding educators.
- Peninsula College is an approved AWS test facility. Persons interested in taking AWS examination(s) should contact the program coordinator for information.
- Additional separate welding courses for persons not seeking the Welding Technology degree are available through this program, as is a preparatory course for the welding certification examination.

### Student Learning Outcomes

When this program is completed, the student will be able to:

- Weld all types of joints
- Perform oxyacetylene cutting
- Perform shielded metal arc, gas metal arc, and gas tungsten arc welding
- Apply workplace safety guidelines
- Use and apply welding terminology
- Read basic blueprints

### Program Prerequisites

College-level skills in English and math (eligibility for courses numbered 100 or higher) are recommended before registering for the English and applied math courses required in this program. Students may need to complete prerequisite coursework. The placement test will help determine placement level if not known. Previous coursework may also indicate placement level.

### Career Opportunities

Throughout Washington State there is an extremely high demand for welding technicians, with annual job openings for welders and fabricators and fitters. The advisory committee for this program emphasizes that someone with good welding skills is well prepared to compete for a living-wage welding job. The demand for welding technicians should remain strong over the next decade.

### Potential Positions and Earning

Potential positions include welders, fitters, fabricators, engineering technicians, plant maintenance personnel, inspectors, sales and service representatives, and supervisors.

**For current employment and wage estimates, please visit and search for the relevant occupational term:**

[www.bls.gov/oes](http://www.bls.gov/oes)

### Tuition

Tuition cost .....\$5080.00

### Assessment

Students are required to place into the English and math/applied math courses required for the 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).....\$250.00  
 Tools/Equipment.....\$1,000.00  
 AWS Certification Exam (optional) (per quarter) .....\$225.00  
*(Students may take up to three certification exams per quarter.)*