

# BASIC WELDING CERTIFICATE - WLD6

A wide variety of career opportunities are available to students who prepare for actual work situations through practical training in welding. Students in this program will learn the basic skills to weld in the four main welding positions using GMAW and SMAW welding processes.

## Requirements

Courses	Course Title	Credit Hours
<b>Required Course Information</b>		
WLD 102	Introduction to Welding	2
WLD 103	Print Reading I	1
WLD 105	Print Reading II	1
WLD 108	Gas Metal Arc Welding I	4
WLD 113	Arc Welding II	4
WLD 115	Arc Welding III	4
WLD 142	Maintenance Welding	3
Subtotal		19
Total Hours		19

## Graduation Plan

### Fall Start

Course	Title	Hours
<b>First Year</b>		
<b>Fall Semester</b>		
WLD 102	Introduction to Welding	2
WLD 103	Print Reading I	1
WLD 108	Gas Metal Arc Welding I	4
WLD 142	Maintenance Welding	3
Hours		10

### Spring Semester

WLD 105	Print Reading II	1
WLD 113	Arc Welding II	4
WLD 115	Arc Welding III	4
Hours		9
Total Hours		19

### Spring Start

Course	Title	Hours
<b>First Year</b>		
<b>Spring Semester</b>		
WLD 102	Introduction to Welding	2
WLD 103	Print Reading I	1
WLD 108	Gas Metal Arc Welding I	4
WLD 142	Maintenance Welding	3
Hours		10

### Summer Semester

WLD 113	Arc Welding II	4
WLD 115	Arc Welding III	4
Hours		8

### Fall Semester

WLD 105	Print Reading II	1
Hours		1
Total Hours		19

## Summer Start

Course	Title	Hours
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### First Year

#### Summer Semester

WLD 102	Introduction to Welding	2
WLD 108	Gas Metal Arc Welding I	4
WLD 142	Maintenance Welding	3
Hours		9

#### Fall Semester

WLD 103	Print Reading I	1
WLD 113	Arc Welding II	4
WLD 115	Arc Welding III	4
Hours		9

#### Spring Semester

WLD 105	Print Reading II	1
Hours		1
Total Hours		19

## Application and Advising

If you are ready to start your education, there are a few simple steps involved in enrolling at Piedmont Technical College.

Get Started Today (<https://www.ptc.edu/admissions/new-students/>)

## Advising Information

The following information provides a guide for advisors who are helping students enroll in this program.

### Program Notes

Students may begin this program in the fall, spring and summer semesters depending on booth availability.

WLD courses are offered during days and evenings.

Students who work alternating shifts are encouraged to enroll in the certificate program and to rotate between day and evening classes to fit his/her work schedule.

Graduates can complete a Welding Diploma or an Associate Degree in Occupational Technology with completion of additional coursework.

Students should be prepared to purchase first semester welding supplies costing \$226.60. Supplies for the second semester of welding will cost approximately \$150.

## **Program Purpose Statement**

The Welding Technology Program is dedicated to welding education, technology, and the success of students. Students in this program will learn various welding techniques, careers and skills needed to success enter the welding career field. The Welding Technology Program offers a diploma program and certificates.

## **Program Student Learning Outcomes**

1. Explain and read occupationally specific prints for welders and fabricate from a blueprint.
2. Test to certification standards on all types of welding.
3. Demonstrate the manipulative skills to perform groove welds.
4. Demonstrate the necessary manipulative skills needed to apply the Gas Tungsten Arc on various joint designs, on plate with both ferrous and non-ferrous metals.
5. Practice safety procedures for all types of welding.