

W A C T C

Welding FT / DT



Welding is often compared to an art by those who understand how a weld is made, because a really good one demands a steady hand and a good eye.

"Fume plume" refers to the column of smoke that rises from where the welded metals meet.

WELDING FT / DT

GENERAL KNOWLEDGE

Course Length
935 Hours

Who Can Enroll
Adults

Schedule
Monday - Friday
8:50 AM - 11:35AM
and/or 12:15 PM -
3:00 PM

Full Time
\$8,830

Books & Fees
\$300.00

**Equipment &
Clearances**
\$471.00

Total
\$9,601.00

**Average
Pennsylvania
Salary**
\$23.94



If you can design a sheet metal component which can be manufactured in one piece this is nearly always the best approach. However, you may have to design a component that has two or more gauges of sheet metal, shapes that would be materially inefficient to be CNC punched from one part, impossible to be manufactured as one or needing water tight joints. Welding enables you to bring these parts cut from sheet metal together into one fabrication.

HELPFUL ATTRIBUTES & ABILITIES

Mathematical Skills
Attention to Detail
Physical Abilities
Administrative
Technology and Tools

Tuition, fees, career majors, courses and hours are subject to change without notice.

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COURSE HIGHLIGHTS

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WACTC has a long and storied history of success. The Welding program was developed to meet the demands of local businessmen who continuously have a need for talented craftsman. Their expertise was instrumental in creating the final product.

COURSE HIGHLIGHTS

Flux-Cored Arc Welding (FCAW) * Gas Metal Arc Welding (GMAW) * Gas Tungsten Arc Welding (GTAW) * Shielded Metal Arc Welding (SMAW) * Oxy-Fuel/Oxyacetylene Welding and Cutting * Fabrication Techniques and Practices * Pipe Welding * Welding Safety * Blueprint Reading

THE WACTC WAY

WACTC prides itself on having 36 booths in the largest welding training facility in the area. Instructors are experts in the industry that believe in the hands-on approach to learning.

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FREQUENTLY ASKED QUESTIONS

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Q. How long is the course?

Our daytime program runs for one scholastic year and starts in late August this year. You will attend Monday through Friday from roughly 9:00 AM to 3:00 PM or a total of 935 hours of instruction

Q. How much does it cost?

WACTC is a non-profit institution, so we really try to keep our costs down. The daytime option is \$9,601.00 Financial aid may be available to those who qualify. We have financial experts on staff to assist you in the process.

Q. Are there job opportunities for me when I'm finished?

Well, no can guarantee anything, but the Welding program is in great demand by numerous industries s/a: The nation's infrastructure which will require the expertise of welders, cutters, solderers, and brazers to help rebuild bridges, highways, and buildings. Also, the construction of new power generation facilities and, specifically, pipelines transporting natural gas and oil may result in new jobs. In short, Employment opportunities reflect the need for welders in all sorts of manufacturing because of the importance and versatility of welding as a manufacturing process. The basic skills of welding are similar across industries, so welders can easily shift from one industry to another, depending on where they are needed most.

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FACTS & FIGURES

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COURSE OBJECTIVE:

Students will obtain education and skills in various areas of Welding.

COURSE DESCRIPTION:

The program prepares students in oxy-fuel, shielded metal arc, gas metal arc, gas tungsten arc, flux core welding, carbon arc, plasma cutting, manual and radiograph cutting and oxy-fuel brazing processes. Students will learn the use of measuring instruments, hand tools, portable grinders, metallurgy, blueprint reading, electrical principles, layout and design, fabrication, practical problems in Math, preparation of materials lists, cost estimating and quality assurance methods. Successful students will be given the opportunity to earn AWS certifications.

COURSE TOPICS:

Flux Core Welding | Gas Metal ARC Welding | Oxy-fuel Brazing | Oxy-fuel Cutting-Machine | Oxy-fuel Cutting-Manual | Oxy-fuel Welding | Plasma Cutting | Shielded Metal ARC Welding

SPECIALIZED SHOP EQUIPMENT:

Inverter Technology GMAW | Inverter Technology SMAW | Ironworking Shear/Press/Punch Square Wave GTAW