

# SAN JACINTO COLLEGE NORTH - Dual Credit

## Welding Technology

Welding Technology is taught on the North campus and the Central campus.

Welding is a fabrication process that joins materials, usually metals. There are various types of welding that include: shielded metal arc (SMAW - "stick"), gas tungsten arc (GTAW - "TIG" or "heliarc welding"), gas metal arc (GMAW - "MIG") and flux-cored arc welding (FCAW).

### 4WLD-C Combination Welder Certificate of Technology

A student completing the **Combination Welder Certificate of Technology** will learn Stick and Tig welding, as well as Pipe Welding. About 85% to 90% of students entering the program start with this 30 credit hour certificate, 8 welding courses. Full-time students will complete this award in two semesters; and will also qualify for a Stick Pipe Occupational Certificate.

**Placement Rates:** In the most recent 3 year reporting period (2011-2012, 2012-2013, 2013-2014) the welding technology program placed 86% of their students.

**Entry Level Pay:** \$32,473 per year (in Gulf Coast Region)

**Average/Mean Pay:** \$46,042 per year (in Gulf Coast Region)

**Experienced Pay:** \$52,826 per year (in Gulf Coast Region)

[as of January of 2017] [www.texaswages.com](http://www.texaswages.com)

High school dropouts will make minimum wage (\$7.25 in 2017); or about \$15,080 per year.

Combination Welder Certificate of Technology		
Junior Year		
Fall		Spring
WLDG 1428 Introduction to SMAW		WLDG 2406 Intermediate Pipe Welding
WLDG 1204 Fund. of Oxy-Fuel Welding & Cutting		WLDG 2453 Advanced Pipe Welding
Senior Year		
Fall		Spring
WLDG 1434 Introduction to GTAW		WLDG 2412 Inter. Welding Using Multiple Processes
WLDG 2451 Advanced GTAW		WLDG 1430 Introduction to GMAW

**Scholarships:** North Shore Rotary: the department gets one \$1,000 scholarship in the fall and spring.

**Costs:** For students taking four courses in one semester.

(Occupational Certificate)

One Semester / Full-Time Student			quantity	Total	
Tuition	at	\$50.00	per semester credit hour.	14	\$700.00
General Services Fee		\$150.00		1	\$150.00
Lab Fee	at	\$48.00	per course	4	\$192.00
Course Fee	at	\$7.00	per course	4	\$28.00
Supplies	at	\$225.00	per course	1	\$225.00
Books	at	\$0.00	per course	0	\$0.00
Total Estimate:					<b>\$1,295.00</b>

Notes: 1) Books: Books are provided to students for use at no cost.  
 2) Supplies: SMAW supplies will run \$100 to \$200 depending on brands and quality.  
 GTAW supplies will then run from \$125 to \$175.

**Instructors:** Center for Industrial Technology, building #33

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All instructors are required to have a degree and at least three years of industry experience.

Amber Tyler is the best person to contact for information about the welding technology program.

**This program moves into the new Center for Industrial Technology in March of 2017.**