

# WELDING

## Strom Thurmond Career and Technology Center

### What is Welding?

Welding is the joining of two or more metal pieces or parts forming a bond. The bond is formed by heating the two surfaces to the point of melting using either gas or electricity, and adding filler electrode, applying pressure, and hammering.

### Program Details

The Welding Technology Program at the Career Center is a three year program consisting of three courses.

Welding 1  
Welding 2  
Welding 3/4



Level 1 & 2 students will learn to join metal using Shielded Metal Arc Welding (SMAW), and Gas Metal Arc Welding (GMAW).

Level 3/4 students will gain advanced knowledge of SMAW, GMAW, and GTAW. Students will learn the Fluxed Cored Arc Welding (FCAW) process, detailed print reading, welding symbols, and how to read prints to build the correct project.



# JOBS IN WELDING

- Construction
- Underwater
- Nuclear
- Fabrication
- Pipe Line
- Welding Inspector
- Railroad
- Orbital
- Laser
- Military
- Equipment Sales
- Instructor

99%

STUDENTS  
OSHA-10  
CERTIFIED



\$52K

FABRICATION

\$73K

MAINTENANCE

WELDING SALARIES BASED ON  
PER HOURLY WAGES UP TO  
\$35/HOUR

52%

OF STUDENTS  
GO ON  
COLLEGE  
AFTER  
LEADING NCCC



\$70K

AVERAGE  
SALARY FOR  
OFFSHORE  
UNDERWATER  
WELDER

## SENIOR PROJECTS

Students will have the opportunity to build a senior project. Past projects include grills, gates, trailers, yard art, deer stands, dog boxes, four wheeler racks and hunting accessories.



FOR ADDITIONAL INFORMATION  
CONTACT STCTC AT (803) 275-1767