

# WELDING TECHNOLOGY (CERTIFICATE)

## CAREER PATHS

CWI (CERTIFIED WELDING INSPECTOR)  
CWE (CERTIFIED WELDING EDUCATOR)  
RADIOGRAPH TECHNICIAN  
AUTOMATIC WELDING MACHINE OPERATOR

## SALARY

\$48,940\*  
MEDIAN ANNUAL INCOME

## JOB GROWTH

2022-2032: 1%\*



SCAN FOR YOUR FUTURE

# WELDING TECHNOLOGY (CERTIFICATE)



## PROGRAM OBJECTIVE

The Welding Technology certificate course prepares students for entry-level work in the welding industry. Students learn about safety, hand tools, oxy-acetylene torches, plasma arc, shielded metal arc welding (stick), gas metal arc welding (MIG), gas tungsten arc welding (TIG), flux cored arc welding, metallurgy, print reading, and weld symbols.

## READY. SET. WORK.

**Goal:** The welding program will prepare the student for entry level employment in welding.

Applicants are encouraged to arrange a campus visit and a personal information session with a Recruitment Advisor. Appointments may also be made to meet with appropriate faculty and current students.

## CAREER OPPORTUNITIES

Graduates work as welders, welder/fabricators, maintenance welders, fitters, ornamental metal sculptors, and welder helpers. Typical employers in the welding industry include structural steel fabricators, custom metal shops, industrial contractors, shipyards, pipe and pressure vessel fabricators, and retail welding sales.

## PROGRAM COURSES

CREDITS

### SEMESTER 1

|  |   |
|--|---|
| Shielded Metal Arc Welding                 | 2 |
| Shielded Metal Arc Welding Lab             | 4 |
| Gas Metal and Flux Cored Arc Welding I     | 1 |
| Gas Metal and Flux Cored Arc Welding I Lab | 2 |
| Blueprint Reading                          | 2 |
| Applied Mathematics for Welders            | 3 |
| First-Year Experience                      | 1 |

### SEMESTER 2

|  |   |
|--|---|
| Gas Metal and Flux Cored Arc Welding II          | 1 |
| Gas Metal and Flux Cored Arc Welding II Lab      | 2 |
| Gas Tungsten Arc Welding                         | 2 |
| Gas Tungsten Arc Welding Lab                     | 4 |
| Microcomputer I                                  | 3 |
| English Composition<br>or Industry Communication | 3 |

**MINIMUM CREDITS TO GRADUATE** 30

This semester layout is based off of a fall start. Students who start in the spring will be required to attend an additional semester to complete their degree.

There may be special admission requirements for this program. Please speak with a Recruitment Advisor by calling **570-702-8856** or visit our website [johnson.edu](http://johnson.edu) to review our requirements.