

# WAGE GRADE CAREER PATH

**WG 3703**

## WELDING WORKER/WELDER

This occupation covers nonsupervisory work of welding metals and alloys. The work requires knowledge of electric, gas, and other welding processes such as electron beam welding, and the skill to apply these processes in manufacturing, repairing, modifying, rebuilding, and assembling various types of metal and alloy parts, equipment, systems, and structures such as buildings, aircraft, and ships.

WG02 -  
WG05

**Step**

**Part 1**

**Apprentice/Helper/Trainee; Trade/Less than Journeyman**


- 1 Complete New Hire Orientation
- 2 Complete Civilian Training Plan requirements for current position
- 3 Complete task qualifications for current position
- 4 Complete task certifications for current position
- 5 Master simple to common work tasks under supervision
- 6 Maintain successful to above average performance ratings

WG05 -  
WG08

**Part 2**

**Trade/Less than Journeyman**


- 1 Continue required on-the-job and formal classroom training required in Civilian Training Plan
- 2 Complete task qualifications for current position
- 3 Complete task certifications for current position
- 4 Master common to complex work tasks. Grade 8 welding workers apply a variety of electric resistance welding methods and equipment, or one or more manual welding processes, to carry out standard, previously done welding operations. For example, they operate various electric resistance welding machines such as spot, seam, and flash, or use a manual gas torch welding process such as oxyacetylene, to join a variety of different kinds of parts or components. They determine the welding techniques and machine settings to be used, assemble and set up the parts to be welded, and make the required welds following guides such as resistance welding control charts, specifications, accepted shop practices, and oral or written instructions from the supervisor. Depending on the process used and the requirements of the work, welds are usually made in flat or horizontal positions.
- 5 Maintain successful to above average performance ratings

**Part 3**

**Journeyman**


- 1 Continue required on-the-job and formal classroom training required in Civilian Training Plan
- 2 Complete task qualifications for current position
- 3 Complete task certifications for current position
- 4 Master common to complex work tasks. At Grade 10 welders use accepted trade methods and a variety of manual welding processes, for example, several different gas torch processes, various electric arc processes including inert gas shielded ones, or a number of both kinds of processes, to weld all types of commonly used metals and alloys of various sizes, shapes, and thicknesses, including dissimilar metals such as copper to steel.
- 5 Master common to complex work tasks. At Grade 11, welders weld recently developed or experimental metals and alloys with welding properties that are not fully known, modify welding procedures, and recommend the most suitable metals and alloys for new or experimental applications.
- 7 Provide production support services
- 8 Maintain successful to above average performance ratings

*This list is not all inclusive. For more information on your series, visit the OPM site below.*

[OPM Classification Standards](#)