

Welder Red Seal Preparation Course

This course is designed to prepare an individual who has gone through the apprenticeship schooling but has not yet written the red seal exam or has previously been unsuccessful in their attempt to challenge the welder red seal exam. We do not guarantee the individual will be successful in their challenge. It is the individuals responsibility to book and pay for the exam upon completion of the preparation course.

Theory Preparation Training

Prerequisites: Before taking this course, the participants should:

- Have completed the apprenticeship schooling.

Length: This training is delivered 1 night per week on Monday's from 6:00 – 10:00 pm. Start date is Monday January 14, 2013 and finishes Monday March 18, 2013.

Objectives

The Red Seal exam is a series of questions from a breakdown of the following topics and percentages.

- 1) Occupation Skills 21% (Blueprint reading, layout & fabricating)
- 2) Quality Control 12% (Codes, Specifications, inspections)
- 3) Cutting Processes 17% (oxy-fuel, plasma, air carbon arc)
- 4) Gouging Processes 10% (air carbon arc, plasma, oxy-fuel cutting)
- 5) Welding Processes 40% (OFW, SMAW, FCAW, GMAW, GTAW, SAW, SW, RSW & RW)

In light of this, our theory training is broken down as follows with the time allotment based on the weighting of the written test.

- Occupation Skills (Blueprint Reading (2/3)/Fabricating (1/3))
 - Blueprint Reading
 - Joint Design and Weld Symbols
 - Practical Fitting Project
- Welding Theory (arc welding processes)
 - Power Sources & Equipment
 - Shielded metal Arc Welding (SMAW)
 - Gas Metal Arc Welding (GMAW)
 - Flux Cored Arc Welding (FCAW)
 - Gas Tungsten Arc Welding (GTAW)
 - Plasma Arc Welding (PAW)
 - Submerged Arc Welding (SAW)
 - Stud Welding

- Quality Control (material and process quality)
 - Distortion
 - Weld Quality
 - Metallurgy II
 - Distortion II
 - Inspection & Codes

- Cutting and Gouging processes
 - Oxy-Fuel Gas Cutting
 - Plasma Arc Cutting
 - Air Carbon Arc Gouging
 - + custom developed material

For further information please contact Shawn Bontaine, Business Manager for the Technical Training Group, at 519 801-8844.