

WELDER Level A

Credential Issued:

ITA Certificate of Qualification (Welder Level A)
Inter-Provincial Red Seal Endorsement (Welder)
(Persons completing a formal apprenticeship also receive a Certificate of Apprenticeship)

Occupational Description:

“Welder Level A” means a person who has advanced training, skills and abilities to weld all materials, including specialized alloys, by any manual welding process, in any position, and such other work as is usually done by a Level A Welder.

Program Duration & Structure:

The program will be delivered in a variety of formats combining in-school and work-based training, all designed to meet the competency standards and profile defined by the industry, and will generally take 1 year to complete for Welder Level A.

The Modular format is designed as a competency-based program to meet the standards and profile defined by industry (see Technical Training Content – Modular Training)

- In-school: 2 months technical credit
- Work-based: 10 months practical credit

The Apprenticeship format where trainees will complete level 4 of technical and work-based training:

- In-school: 6 weeks (180 hours)
- Work-based: 1,620 hours

Program Completion Requirements:

Modular Format:

Completion of all Level A modules which provide credit towards:

- In-school: 2 months technical credit
- Work-based: 10 months practical credit
- Sponsor attestation / Logbook

Apprenticeship Format:

Completion of 1,620 workplace hours:

- Sponsor attestation / Logbook

Completion of technical training:

- Level 4 – practical assessments and written examination

Inter-Provincial Red Seal examination

Program Challenge Requirements:

- 7,020 documented hours of directly related work experience required to challenge Inter-Provincial Red Seal examination. Applicants for challenge tests must complete and pass both written and practical examination.

Program Pre-requisites:

- Recommended Education: Grade 10 or equivalent including English 10, Math 10, and Science 10. Grade 12 preferred.
- Welder B

Assessment Methods:

- In-school assessments (practical and written exams)
- Work-based assessments (practical)
- Final Assessment (Inter-Provincial Red Seal written examination)

Linkages to Other Credentials:

Cross Program Credit
n/a

Prior Learning Assessment:

n/a

Program Standards Documentation:

- National Occupational Analysis (2004) www.red-seal.ca
- Program Outline
- Logbook

Industry Program Standards Mechanism:

Resource Training Organization (RTO) info@rtobc.com

Program Providers:

Institution-based component of the program is delivered by public post-secondary institutions, private training institutions, and secondary schools that have been approved by ITA.

Technical Training Content:**MODULAR FORMAT**

Module P11 – Shielded Metal Arc Welding (SMAWIII)
Module P12 – Gas Tungsten Arc Welding (GTAW II)
Module RK8 – Welding Metallurgy III
Module RK9 – Blueprint Reading III

APPRENTICESHIP FORMAT

Level 4
P11 - SMAW III
P12 - GTAW. II
P8 - GTAW or P9 - FCAW
RK8 - Metallurgy III
RK9 - Blueprint Reading III

IP Examination Competencies

- Occupational Skills 21%
- Quality Control 12%
- Cutting Processes 17%
- Gouging Processes 10%
- Welding Processes 40%

Approved: March 2002 (ITAC)

Updated: Dec 2006 (ITA)
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