

Title: Stainless Steel Welding: GTAW and RSW

Code: 4721

Credits: 48

Duration: 720 hours

Training sector: Metallurgical Technology (16)

Certification of studies: Skills Training Certificate (STC) (awarded exclusively by the school boards)

Authorized in: 2005

Mandated school service centre or school board: de la Capitale

Participating school service centres or school boards: des Appalaches, de la Beauce-Etchemin, du Chemin-du-Roy, des Samares, des Navigateurs, de Kamouraska-Rivière-du-Loup, de Laval, de la Pointe-de-l'Île, de la Rivière-du-Nord, de Sorel-Tracy

Occupation: Stainless Steel Welder (GTAW and RSW)

Program of study objectives: Specialists in this trade work in the metallurgy sector and perform various tasks such as preparing, assembling and welding various components and accessories. More specifically, they drill and prepare parts, assemble them, use the GTAW and RSW processes to weld them, straighten them and control buckling, polish them and apply surface treatments, and control the quality of manufactured products.

Stainless steel welders work in a variety of sectors of activity such as the food processing industry, hotel and restaurant services, laboratory equipment manufacturing, the hospital sector and architecture.

Conditions of admission:

A person who meets the following conditions is eligible for admission to a program of study leading to an STC:

- 1** Has obtained at least Secondary III credits or the equivalent in the language of instruction, second language and mathematics;
- or** Has obtained an Attestation of Equivalence of Secondary Studies (AESS);
- or** Has successfully completed the General Development Test (GDT) with or without specific prerequisites.
- 2** Has interrupted their full-time studies for at least 12 months;
- or** Is 18 years old when entering training;
- or** Has obtained a Secondary School Diploma (SSD) or a Diploma of Vocational Studies (DVS) or their equivalent;
- or** Meets the eligibility conditions of Emploi-Québec's workforce training measure.

PROGRAM OF STUDY CONTENT

STC Code	Statement of the Competency	Hours
STC 721-011	Determine their suitability for the trade and the training process	15
STC 721-022	Learn occupational health and safety rules	30
STC 721-031	Apply metallurgical concepts to stainless steel welding	15
STC 721-049	Interpret assembly plans and specifications	135
STC 721-055	Apply the GTAW and RSW processes	75
301-941	Communicate in the workplace	15
STC 721-079	Prepare and assemble parts	135
STC 721-082	Apply surface finishing to metal	30
STC 721-095	Weld stainless steel sheets with and without gas shielding	75
STC 721-104	Weld stainless steel structures with and without gas shielding	60
STC 721-114	Weld stainless steel parts and perform the required finishing operations	60
STC 721-125	Enter the work force	75

Recognition of acquired competencies is possible for candidates enrolled in the *Soudage-montage* DVS program of study.

Documentation available upon request

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| <input checked="" type="checkbox"/> Work Situation or Profession Analysis Report (Rapport de l'AST ou de l'AP) | <input checked="" type="checkbox"/> Program of Study (Programme d'études) | <input type="checkbox"/> RAC Tools (Instrumentation RAC) |
| <input checked="" type="checkbox"/> Proposed Training Plan (Projet de formation) | <input type="checkbox"/> Organizational Guide (Guide d'organisation) | |
| <input checked="" type="checkbox"/> Harmonization Table (Tableau d'harmonisation) | <input type="checkbox"/> Evaluation Framework (Cadre d'évaluation) | |

Updated 2021