

SKILLS TRAINING CERTIFICATE (STC) PROGRAM OF STUDY SUMMARY SHEET



Title: Semi	i-automatic '	Welding (GMAW and	4 ECVIV

Code: 4750 Credits: 44 Duration: 660 hours

Training sector: Metallurgical Technology (16)

Certification of studies: Skills Training Certificate (STC) (awarded exclusively by the educational organizations)

Authorized in: 2021

Mandated school service centres or school boards: de la Beauce-Etchemin, des Navigateurs

Participating school service centres or school boards: N/A

Occupation: Welding Machine Operator

Program of study objectives: Train welders to work with semi-automatic welding machines on steel and stainless steel. The welding techniques covered in this program of study are mainly GMAW with FCAW as a supplementary training. At the end of this training, the person will be able to work in various industries specializing in welding.

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.
- This program is accessible via the <u>TCST-STC bridge</u>.

PROGRAM OF STUDY CONTENT				
AEP Code	Statement of the Competency	Hours		
AEP 750-012	Determine their suitability for the trade and training process	30		
AEP 750-022	Prevent health, safety and environmental hazards	30		
AEP 750-032	Perform welding calculations	30		
AEP 750-042	Operate lifting and handling equipment	30		
AEP 750-053	Perform thermal cutting of metal parts	45		
AEP 750-066	Interpret simple assembly plans and draw sketches	90		
AEP 750-077	Weld steel and stainless steel parts using the GMAW process in the flat and horizontal positions	105		
AEP 750-082	Establish welding and cutting procedures	30		
AEP 750-096	Weld steel parts using the FCAW process in the flat and horizontal positions	90		
AEP 750-105	Produce simple assemblies	75		
AEP 750-111	Prepare for their career path	15		
AEP 750-126	Enter the workforce	90		

Recognition of acquired competencies is possible for candidates enrolled in one of the following DVS programs of study: Welding and Fitting or Soudage-assemblage.

Documentation available upon request						
Work Situation or Profession Analysis Report (Rapport de l'AST ou de l'AP)	Program of Study (Programme d'études)	RAC Tools (Instrumentation RAC)				
Proposed Training Plan (Projet de formation)	Organizational Guide (Guide d'organisation)					
Harmonization Table (Tableau d'harmonisation)	Evaluation Framework (Cadre d'évaluation)					

