Field Heat Treatment Technician

Occupational Requirements

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saskapprenticeship.ca

Saskatchewan Apprenticeship and Trade Certification Commission

Online: www.saskapprenticeship.ca

STRUCTURE OF AN OCCUPATION

An occupation is defined by industry-established standards for training, work experience, and, in some cases, certification examinations. Industry-recognized training programs and assessment processes are already in place to support these standards.

Occupations are available exclusively through a unique Apprenticeship pathway.

Individuals who meet the requirements established by industry may be granted an Occupational Certificate by the Saskatchewan Apprenticeship and Trade Certification Commission (SATCC).

To be eligible for certification in a designated occupation, applicants must meet the following criteria:

- Complete the required number of work experience hours
- Provide proof of successful completion of any required industry-recognized training
- Achieve a passing result on any required industry-recognized examination(s), where applicable

To obtain an Occupational Certificate, applicants must first complete the required work experience hours and any applicable industry-recognized training. Once these requirements have been met, an Apprentice application must be submitted to SATCC. SATCC will verify all work experience hours, training credentials, and examination results, where applicable, before granting certification.

DESCRIPTION OF FIELD HEAT TREATMENT TECHNICIAN OCCUPATION

Field Heat Treatment Technicians set up and perform controlled heat treatment processes to offset the high-temperature effects of welding. They accomplish this with hands-on work applying temperature controls, heating systems, insulation systems, power source connections and monitoring all aspects of the heat treatment cycle.

Field Heat Treatment Technicians perform a range of welding-related heat treatment applications, including pre-heating, post-weld heat treatment (PWHT), pre-weld and post-weld bakeout, and solution annealing. They also perform non-welding-related heating applications such as refractory curing, line thawing, heat alignment, and thermal expansion for the installation and removal of industrial components.

Typical tasks of a Field Heat Treatment Technician include assembling, operating, maintaining, and dismantling heat treatment equipment; installing and removing heating elements, thermocouples, insulation systems, and power distribution components; monitoring and controlling heat treatment processes using specialized instrumentation and computerized control systems; interpreting codes, procedures, and quality control requirements; utilizing hand and light power tools; and applying industry-standard safety practices.

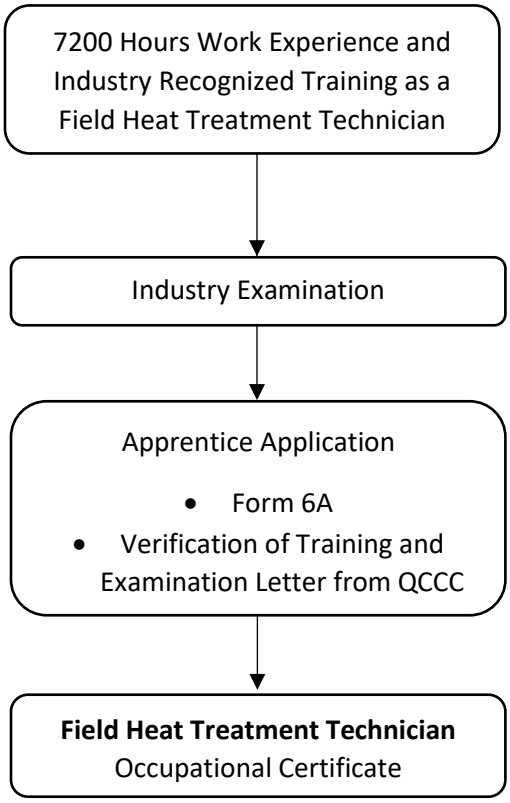
CERTIFICATION REQUIREMENTS FOR
FIELD HEAT TREATMENT TECHNICIAN

Before applying to the Field Heat Treatment Technician occupation, applicants must successfully complete the required industry-recognized training and theory examination, and compile enough on-the-job experience to total at least 1800 hours each year. Total on-the-job experience required is 7200 hours and 4 years in the occupation.

The requirements for a Field Heat Treatment Technician Occupational Certificate are:

- A minimum of 4 years AND 7200 hours of work experience;
- Completion of all 4 levels, 40 hours (1 week) per level, of the *Field Heat Treatment Technician Training Course* through The Quality Control Council of Canada (QCCC);
    - Please reach out to the QCCC for course registration.
- A successful theory exam, administered by the QCCC.

Route to Credential:



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This information is subject to change without notice.

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