

# Steamfitter

Certificate of Qualification 307A



*“The one thing about steamfitting is that my job is different all the time”*

Steamfitters work on heating or cooling pipe systems or process systems. They also work on industrial systems that convey gases, employ pneumatic tubing, involve air handling, and form the infrastructure of oil refineries and nuclear power plants. This work includes assembly, installation, maintenance, and repair.

**Unionized  
Journeyman  
Wage Rate:  
\$58.90/Hr  
(2022)**



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Indoor and outdoor work



Likes working with machinery



Analytical thinking and problem solving

## Entrance Requirements

- High school transcript or high school diploma (equivalent GED)
- Minimum 18 years of age
- Required aptitude test

## Key Skills & Attributes

- Strong communication skills, reading and numeracy
- Ability to read & interpret blueprints
- Mechanical aptitude
- Manual dexterity

## Apprenticeship Program

9000 hours of on-the-job training, supplemented by three 8-week sessions of in-class technical training.

## Responsibilities

- Install supports, valves, piping and control systems
- Measure, cut, thread, bend and install metal, plastic and fiberglass pipes, valves and fittings
- Cut openings in walls and floors to accommodate pipes & pipe fittings
- Weld, cement, solder and join pipes and related equipment
- Join pipes using clamps, bolts, cement or soldering, brazing and welding equipment
- Read blueprints, drawings and specifications
- Check systems for leaks & remove and replace worn components

## Did You Know?

Steam is generated by adding heat energy to a boiler. Enough energy must be added to raise the temperature of the water to the boiling point.

Visit [CTAOntario.com](http://CTAOntario.com) for more information



**Construction Training & Apprenticeship Ontario**