

## TEMPORARY FOREIGN WORKER PROGRAM

### OCCUPATIONAL PROFILE FOR EXPEDITED LABOUR MARKET OPINIONS

#### JOURNEYMAN/WOMAN WELDERS

##### Section A: Occupational Profile

###### **JOB DESCRIPTION:**

Welders operate welding equipment to weld ferrous and non-ferrous metals. They are employed by companies that manufacture structural steel and platework, boilers, heavy machinery, aircraft and ships and other metal products, and by welding contractors and welding shops.

###### **MAIN DUTIES:**

Welders perform some or all of the following duties:

- Read and interpret blueprints or welding process specifications
- Operate manual or semi-automatic welding equipment to fuse metal segments using processes such as gas tungsten arc welding (GTAW), gas metal arc welding (GMAW), flux-cored arc welding (FCAW), plasma arc welding (PAW), shielded metal arc welding (SMAW), oxy-acetylene welding (OAW), resistance welding and submerged arc welding (SAW)
- Operate manual or semi-automatic flame-cutting equipment
- Operate brazing and soldering equipment
- Operate metal shaping machines such as brakes, shears and other metal straightening and bending machines
- Repair worn parts of metal products by welding on extra layers.

Welders may specialize in certain types of welding such as custom fabrication, ship building and repair, aerospace precision welding, pressure vessel welding, pipeline construction welding, structural construction welding, or machinery and equipment repair welding.

###### **EMPLOYMENT REQUIREMENTS:**

Welders

- Completion of secondary school is usually required.
- Completion of a three-year apprenticeship program – or

- A combination of over three years of work experience in the trade and some college or industry courses in welding is usually required to be eligible for trade certification.
- Trade certification is compulsory in Alberta and available, but voluntary, in British Columbia.
- Interprovincial trade certification (Red Seal) is also available to qualified welders.

## PREVAILING WAGE RATES BY SUB-REGION:

### ALBERTA

Geographic Area	Wage (per hour)
Calgary/Banff/Drumheller	\$27.11
Edmonton	\$27.25
Fort-McMurray	\$34.69
St. Paul/Lloydminster	\$28.70
Grande Prairie/Slave Lake/Jasper	\$27.07
Lethbridge/Medicine Hat/Crowsnest Pass	\$24.47
Red Deer/Camrose/Wetaskiwin/Rocky/Olds	\$23.37

### BRITISH COLUMBIA

Geographic Area	Wage (per hour)
Lower Mainland Southwest	\$22.52
Northern British Columbia	\$24.86
Thompson Okanagan Kootenay	\$22.03
Vancouver Island	\$24.25

## PROVINCIAL LABOUR STANDARDS:

In **Alberta** refer to: [Alberta Employment, Immigration and Industry, Employment Standards Programs](#)

In **British Columbia** refer to: [Ministry of Labour and Citizen's Service, Employment Standards Branch](#)

## PROVINCIAL CERTIFICATION REQUIREMENTS:

In **Alberta** refer to: [Apprenticeship and Industry Training](#) (Government of Alberta)

In **British Columbia** refer to:

- [Industry Training Authority \(Welder level “A” and Welder Level “B”\)](#), or
- [Industry Training Authority \(Welder level “C”\)](#)

## LABOUR MARKET OPINION FACTORS:

Refer to the [Temporary Foreign Worker Program](#) website to obtain the Labour Market Opinion factors used to assess an employer’s request to hire a temporary foreign worker.