



**Board of Education of the City of St. Louis**  
**CAREER OPPORTUNITY**

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<b>Position Title:</b>	Ironworker
<b>Payroll/Personnel Type:</b>	12 Month
<b>Job #:</b>	6231
<b>Reports to:</b>	Facilities Maintenance Manager/Designee
<b>Shift Length:</b>	8 Hour Day
<b>Union Eligibility:</b>	Eligible

**Position Summary:**

The Ironworker will perform duties requiring the skill to measure, cut, and grind metal to specifications, checking that it matches the design plans. Once the components are ready, you utilize them in building, reinforcing, or repairing structures. Experience operating large machinery, such as crane balls, is also required.

**Essential Functions:**

- Operate safety equipment and use safe work habits
- Weld components in flat, vertical, or overhead positions
- Ignite torches or start power supplies and strike arcs by touching electrodes to metals being welded, completing electrical circuits
- Clamp, hold, tack-weld, heat-bend, grind, or bolt parts to obtain required configurations and positions for welding
- Detect faulty operation of equipment or defective materials and notify supervisors
- Operate manual or semi-automatic welding equipment to fuse metal segments, using processes such as gas tungsten arc, gas metal arc, flux-cored arc, plasma arc, shielded metal arc, resistance welding, and submerged arc welding
- Monitor the fitting, burning, and welding processes to avoid overheating of parts or warping, shrinking, distortion, or expansion of material
- Examine workpieces for defects and measure workpieces with straightedges or templates to ensure conformance with specifications
- Recognize, set up, and operate hand and power tools common to the welding trade, such as shielded metal arc and gas metal arc welding equipment
- Layout, position, align, and secure parts and assemblies before assembly, using straightedges, combination squares, calipers, and rulers

**Knowledge, Skills, and Abilities:**

- Mechanical – knowledge of machines and tools, including their designs, uses, repair, and maintenance
- Design – Knowledge of design techniques, tools, and principles involved in the production of precision technical plans, blueprints, drawings, and models
- Active listening, mathematics, equipment selection, time management, critical thinking, reading comprehension, equipment maintenance, and speaking
- Arm-hand steadiness, near vision, control precision, manual dexterity, finger dexterity, multi-limb coordination, oral expression, problem sensitivity, oral comprehension, selective attention



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**Experience:**

- Five years’ experience as a journeyman ironworker; or any equivalent combination of training and experience.
- Some experience in welding or construction preferred.

**Education:**

- High School Diploma or Graduation from a technical High School, and/or Associate or Technical Degree (preferred)

**Physical Requirements:**

- Must be physically able to operate a motor vehicle
- Standing, walking, sitting, climbing, stooping, or crouching, kneeling, reaching, pushing, grasping, talking, and hearing.
- Verbal, auditory, and written capabilities to effectively communicate articulately.
- Clarity of vision at 20 feet or more and 20 inches or less, bring objects into sharp focus and see up and down or to the right or left while fixed on a point.
- Medium work – exerts up to 10 pounds of force continuously and/or over 60 pounds of force frequently to lift, carry, push, pull, or otherwise move objects.
- Must be physically able to operate a motor vehicle and have a valid driver’s license.
- Lifting, carrying, pushing, and pulling object(s) weighing up to 75 pounds.
- Climbing ladders and working from heights as necessary.
- Standing and walking for extended periods.

**Working Conditions and Environment:**

- Must be able to withstand extreme temperatures as well as potentially hazardous environments.
- Must be physically able to wear a dust mask/respirator and face protection.
- Indoor/outdoor environment subject to changing conditions and temperatures exceeding 90 degrees at times.
- Regular exposure to fumes, dust, odors, heights, and loud noises.
- Driving a vehicle to conduct work.
- Work in direct contact with the public, students, and other District staff.

**Disclaimer:**

**The information in this job description is for compliance with the Americans with Disabilities Act (ADA) and is not an exhaustive list of the duties performed for this position. Additional duties are performed by the individuals currently holding this position and additional duties may be assigned.**

**Review/Approvals:**

Employee \_\_\_\_\_ Date \_\_\_\_\_ Immediate Supervisor \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
Human Resources \_\_\_\_\_ Date \_\_\_\_\_



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***In connection with hiring for this position, the district shall not discriminate against any employee or applicant for employment because of race, religion, color, sex, sexual orientation, age, disability, veteran status, or national origin.***