

CAREER PROFILE: INDUSTRIAL ELECTRICIAN ZACHARY FULTON



Industrial electricians work on the electrical systems that are used in industries like mining. At a mine site, they work on installing, testing, and repairing the equipment (motors, pumps, generators, transmission lines, and control equipment) that keeps operations running smoothly. Electricians have the knowledge to interpret and understand electrical drawings and work safely with electrical equipment.

Zachary started his electrical career with a local startup, Independent Electric and Controls. He has a certificate as an Industrial Electrician from Yukon University. He quickly gained expertise in remote power systems constructing gas and diesel generators for customers in the mining space. His experience includes projects in Selkirk Traditional Territory, Elsa/Keno, Wolverine Lake, and Cassiar, BC. The skills he learned as an Industrial Electrician were highly transferable and helped him work for future employers like the City of Whitehorse.

KNOWLEDGE, ABILITIES, & SKILLS

- Ability to interpret electrical drawings and schematics
- Commitment to health and safety in the workplace
- Experience with a variety of hand tools
- Critical reasoning skills and problem solving skills
- Patience with troubleshooting
- Comfortable working in confined or elevated spaces
- Ability to work independently and as part of a team
- Ability to lift heavy objects up to 50 pounds
- Work with specialized monitoring equipment
- Operate various types of heavy equipment such as man lifts, auger trucks, forklifts, small crane, skidsteer

EDUCATION, TRAINING, & CERTIFICATION

A four-year apprenticeship program that includes classroom and on-the-job training and Red Seal certificate in Electrical Trade. Good eyesight and colour vision are required for this field. A high school diploma may be required.

SALARY RANGE*

\$27 - \$51/hour

*Wage average as of March 2023.



"Prior to becoming the Chief Executive Officer of the Selkirk Development Corporation, I worked as an Industrial Electrician. The electrical trade can be a lucrative and rewarding career in the mining space and beyond. As an Industrial Electrician the work constantly changes. One day you could be wiring a camp and the next constructing or installing large generators to power a mine. I would encourage anyone looking for a career in mining to pursue the Industrial Electrical trade."

- Zachary Fulton