



Electrical Engineer

The Canadian Light Source is looking for an Electrical Engineer to join our Engineering team. Our Electrical Engineering group supports the technical design, implementation, and maintenance of systems in our facility. We would love the chance to talk to qualified candidates who are interested in doing work that supports research at an international level.

Who we are:

The Canadian Light Source (CLS) is a national research facility located on the University of Saskatchewan. CLS produces very bright light to explore the nature and structure of molecules, and serves national and international users working on everything from dinosaur skins to mine remediation and from cancer treatments to cutting-edge electronics. We are a third-generation synchrotron operating 22 beamlines and are proud to support research that furthers innovation in a number of technical fields.

Where we work and live:

Our facility is centrally located on the beautiful grounds of the University of Saskatchewan within walking distance of Saskatoon's riverbank trails and close to campus amenities such as fitness facilities, restaurants, museums, and galleries. Saskatoon is a livable and growing city with plenty of green space and walking paths, a thriving arts community, and a lively music scene. The City, as well as the provincial and regional parks within driving distance, offer year-round options for outdoor activities and exploration.

What your Monday to Friday will look like:

As an Electrical Engineer, you will be responsible for detailed electrical designs (process and instrumentation diagrams, single line diagrams, detailed schematics, PLC logic and code, panel schedules, and installation plans) to support the design and development of accelerators, beamlines, and facility services.

Areas of design work for the Electrical Engineer will include electrical power distribution, motion control of precision equipment, and PLC based control systems. As part of this, you will need to write specifications for tender documents, initiate purchase orders, and ensure compliance with the Canadian Electrical Code, National Building Code, and other related codes and standards.

Our team also participates in many aspects of synchrotron design, modernization, operations, and maintenance.

What you would bring:

This role is right for you if you enjoy collaborating with other professionals and applying your skills to projects that involves the full scope of work from design through to maintenance.

Qualifications you will need to succeed in this position:

- University degree in Electrical Engineering or a related discipline
- Minimum of four years' relevant post-degree engineering work experience
- Eligible for professional membership in the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

Any of the following qualifications are considered an asset:

- Experience in design, construction, and maintenance of electrical distribution systems and distributed control systems in an industrial facility
- Strong working knowledge of the Canadian Electrical Code including requirements for protection, motors, starters, transformers, wiring methods, and grounding
- Experience with arc flash and coordination studies using ETAP or similar software

- Experience in the design of motion control systems using stepper and servo motors
- Programming of PLC-based control systems
- Experience with safety rated systems
- Experience with cooling water systems in a process plant setting
- Experience with refrigeration and/or cryogenic systems
- Experience with HVAC systems in a process plant setting
- Working knowledge of applicable codes and standards for electrical design

Compensation: Starting salary range is \$85,000 to \$95,000 depending on experience. A comprehensive benefits package, including supplemental health & dental, life insurance, pension plan, health spending account, relocation assistance, and four weeks' vacation is part of a competitive compensation package.

Should you be relocating to Saskatoon to take the job at CLS as part of your next career move, we also offer relocation assistance. Although housing prices in Saskatoon tend to be more reasonable as compared to other areas of Canada, we also provide a loan to support you with the purchase of a home.

To Apply: Please submit your resume and cover letter online at www.lightsource.ca/careers.

We will start reviewing applications in early February and will continue reviewing applications until the position is filled. While all applicants are thanked for their interest, only short-listed candidates will be contacted.

We look forward to hearing from you.

Canadian Light Source Inc. (CLSI) is an equal opportunities employer and encourages members of designated groups (women, Indigenous people, people with disabilities and visible minorities) to self-identify on their applications. One of our values is Equity, Diversity, and Inclusion and we strive to create a workforce that reflects our users and the community in which we live. We welcome all qualified candidates to apply, and we hope you will choose CLSI as your employer of choice. If you have any questions or concerns about accessible employment at CLSI, or to begin a confidential conversation about your individual accessibility or accommodation needs through our recruitment process, please contact us at jobs@lightsource.ca.