



## MIRU ELECTROCHROMIC TESTING CO-OP POSTING MAY 2025

Do you have a passion for fostering innovation and sustainability in glass technology? If so, we want to hear from you!

Miru is a clean-technology start-up of 50+ employees developing electrochromic windows to reduce greenhouse emissions, increase sustainability and improve energy efficiency. Miru operates a state-of-the-art pilot production facility in Vancouver and is in the midst of constructing a demonstration plant to scale up production of our electrochromic window technology for our architectural and automotive clients. We focus on technical excellence and delivering a high-quality product. For more information about Miru, please visit our website: <https://mirucorp.com/>.

Our **eight-month Electrochromic Co-op** opportunity has a focus on **Quality & Testing**. You'll play a key role in ensuring product excellence and driving innovation by channeling insights from R&D pathfinding experiments directly to our material scientists and engineers. Your work will fuel cutting-edge research and contribute to groundbreaking solutions.

Throughout this co-op, you'll gain hands-on experience with device prototypes, test new materials and designs, and have a direct impact on our innovative projects. After the initial four months, you'll continue your work in testing and quality, and have the opportunity to expand your expertise. You may dive into new areas like failure analysis, experiment design, and data analysis, broadening your skill set and enhancing your career growth.

We believe diversity drives innovation which guides our values and success and we hire enthusiastic science and engineering students and technologists who have a background in Chemistry, Polymer Science, Materials Engineering and/or Chemical Engineering along with exposure to hands-on laboratory experience.

The tasks can be repetitive, requiring the ability to use technical equipment with accuracy and handling hazardous materials using established procedures and appropriate PPE. We value innovative thinking, a strong sense of teamwork and individuals who are self-starters, demonstrate close attention to detail, and an ability to work independently within a strict deadline schedule.

Candidates demonstrating basic understanding of electrochemistry, experience with electrochemical cell materials, and knowledge in chemical or thin-film coating processes may be given preference.

The deadline for applying for Miru's May 2025 co-op work term is end of day Sunday, February 2, 2025.

### KEY RESPONSIBILITIES:

As a science or engineering co-op student at Miru, you will work directly with more senior staff on a variety of projects. Tasks and responsibilities for this role may include:

- Perform electrochemical test set-up, execution, monitoring and measurements;
- Assess the long-term performance of devices under various environmental conditions, such as UV exposure, temperature changes, and mechanical stress;
- Measure and analyze optical properties and record visual defects of devices that affect device performance;
- Ensure test equipment is calibrated and working correctly;
- Perform quality control testing;



- Perform failure analysis on materials and devices;
- Perform work in a glovebox;
- Help to identify new approaches to improve our testing and quality control processes and procedures;
- Work closely with internal stakeholder from various team;
- Prepare technical reports and presentations; and
- Write Standard Operating Procedures (SOPs).

### **CAREER DEVELOPMENT AND TRAINING:**

Our goal is to cultivate the next generation of leading scientists and engineers in the electrochromic field. We provide unique learning opportunities that will allow you to:

- Gain hands-on experience with advanced equipment such as potentiostats, spectrometers, environmental test chambers, and data acquisition systems;
- Exposure to lithium-ion technologies;
- Develop skills in troubleshooting complex instrumentation;
- Communicate technical results effectively to multidisciplinary teams;
- Enhance your problem-solving, teamwork, communication, and time management abilities;
- Understand the degradation mechanisms of devices and their effects on performance and lifespan;
- Develop a high proficiency in Google Suite and Excel; and
- Acquire experience in a sector dedicated to sustainability, energy efficiency, and smart building solutions.

### **Perks and Benefits:**

Aside from all of the learning opportunities listed above, here are a few other great reasons to join us for your work term:

- Casual dress
- Social and wellness activities such as rooftop BBQs and curling
- Personal days together with sick and vacation days
- Great location! Easy access to transit, close to seawall, loads of wonderful coffee shops, breweries, restaurants and ice cream/gelato spots within easy walking distance
- Ample bike parking within our facility

### **HOW TO APPLY:**

Please submit your resume and cover letter in one PDF to [careers@mirucorp.com](mailto:careers@mirucorp.com) with the job title (Electrochromic Co-op) in the subject line. **If you attend UBC, UVIC, or SFU, please apply through your University Co-op Portal.**

No phone calls please. While we appreciate all responses, only candidates under consideration will be contacted. Please note that only those legally authorized to work in Canada need apply.