



FUEL CELL CCM CO-OP

Do you want to put zero-emission vehicles on the road? Are you looking to apply your engineering know-how and develop your product development expertise with a talented team of experienced fuel cell experts? Join Unilia and be part of engineering a better, cleaner world!

We are looking for a **Co-Op Student** for an eight (8) month placement in the area of **Fuel Cell Catalyst Coated Membrane**, who will help build prototype fuel cell components.

RESPONSIBILITIES:

- Prototype catalyst ink, electrode, and catalyst-coated membrane (CCM)
- Characterize catalyst ink, electrode, and CCM with a wide range of techniques, including rheology, x-ray fluorescence spectroscopy, particle size analysis, optical microscopy, moisture analysis, etc.
- Design, execute, analyze, and report out on experiments to support the development of new catalyst ink formulations and electrode/CCM fabrication processes
- Contribute to the development of new characterization methods for measuring catalyst ink, electrode, and CCM
- Review, critically analyze, and summarize fuel cell literature
- Support laboratory documentation development
- Adhere to good laboratory practices and assist in the maintenance and troubleshooting of prototyping and characterization equipment

REQUIREMENTS:

- Current student in Engineering or Science, preferably majoring in Chemical Engineering or Chemistry
- Strong knowledge in chemistry, process engineering and process control; familiarity with statistics, rheology, polymer chemistry, surface chemistry, material science, and/or electrochemistry is an asset
- Hands-on experience with wet chemistry laboratory work
- Ability to analyze and present data in a clear manner
- Ability to prioritize work on multiple projects while meeting deadlines and maintaining strong attention to detail
- A desire to learn new technologies
- Ability to collaborate and take initiative
- Strong written and oral communication skills

ABOUT UNILIA

Unilia Canada Fuel Cells Inc. is the result of a synergy of East and West, embodying the agility and passion of a start-up with the resources and capabilities of a seasoned industry contributor. We are a Vancouver-based international hydrogen fuel cell stack engineering and manufacturing company at the forefront of the vehicle electrification movement. Our core competencies in electrochemical engineering, stack design, testing, and at-scale production are led by a team of industry veterans. With production facilities and additional R&D in China, Unilia offers unparalleled competitive advantage through the technological edge, manufacturing prowess, and, importantly, market access.

NOW WHAT?

If you have a passion for zero-emission automotive engineering and the skills and experience required to succeed in this role, we want to hear from you. Apply with a cover letter, resume, and transcript. We can't wait to meet you!

SALARY:

\$23/hour x 37.5 hours per week