



AYRTON
ENERGY

Chemist

Calgary, Alberta

Ayrton Energy's mission is to propel the global shift towards sustainable energy with broad deployment of our cutting-edge hydrogen storage technology, reshaping hydrogen distribution to mirror the safety, simplicity, and efficiency of traditional fuels such as diesel or gasoline.

Are you ready to embark on a dynamic career journey with a rapidly growing company? Ayrton Energy is looking for a chemist with experience in organic chemical synthesis and characterization to join our team. As a key player in our organization, you will have the opportunity to grow alongside us, learning the ins and outs of the business and contributing to its success in various capacities.

You will love this job if:

- You are excited to work at an early-stage startup where your innovations directly contribute to the company's success
- You are organized and like creating structure for others to follow
- You enjoy working in cross-functional teams and feel comfortable sharing your ideas

Your Responsibilities:

- Research and development of liquid organic hydrogen carrier (LOHC) chemical transformations, including mechanistic and thermodynamic analysis, experimental testing and characterizations.
- Analytical testing and analysis of organic liquids and gases.
- Electrochemical testing and development of organic hydrogen carrier formulations
- Project planning, tracking and reporting.
- Management of laboratory chemical and equipment inventory.
- Development of standard operating procedures.
- Assisting with the writing of documents including white papers and intellectual property.

Your Skills and Experience:

- Degree in chemistry, physics or engineering or equivalent industry experience, with knowledge and experience in organic synthesis and characterization required.
- Experience in the development of catalysts and/or electrochemistry is an asset.
- Interested in growing into new roles as part of an evolving start-up.
- Passionate about innovation, self-motivated and keen to learn.
- Organized and able to work on several projects concurrently.
- Experience developing process and/or analysis protocols.

At Ayrton We Value:

- Honesty – We tackle challenging problems and appreciate diverse perspectives.
- Accountability – We prioritize action and empower our team to deliver results.
- Kindness – We believe in teamwork and support each other in achieving our goals.

Benefits:

- Competitive compensation with salary and equity options
- Generous vacation policy
- Health and dental benefits

We're looking for a full-time, long-term employee and we'll hire as soon as we meet the right person.

Ayrton is an equal opportunity employer that values equity, diversity and inclusion within our team. As a women-led venture, our company strives to provide a supportive atmosphere for under-represented individuals in business and STEM fields, including a focus on work-life balance and employee mental health.

How to apply:

Please send a cover letter and resume to jobs@ayrtonenergy.com and use Job Application – Chemist in the subject line.