Process Engineering / Chemistry R&D Associate
September - December (20 hours/week for 14 weeks)
$24.32/hour
In-person position

Deadline to apply: September 16th

Are you a graduate student at Memorial University interested in contributing to the development of technologies that support industrial decarbonization and climate action? Check out the part-time job opportunity below with TerraEos.

About the organization and position
TerraEos is developing next-generation carbon capture technologies that aim to reduce industrial greenhouse gas emissions by making carbon capture more affordable, energy-efficient, and scalable. Working alongside the team, the student will contribute to laboratory testing, process modelling, and data analysis activities that support the advancement of innovative climate solutions for heavy industry.

This role provides hands-on experience in applied research and development, giving the student an opportunity to help accelerate technologies that can support industrial decarbonization and contribute to a more sustainable future.

Tasks/Responsibilities:

- Prepare solvent formulations and execute standard property measurements (viscosity, density, CO2 capacity, etc.) using lab equipment.
- Process, format, and log raw experimental data into standardized tracking sheets, determining optimal solvent formulations.
- Develop and build Aspen HYSYS process simulation models using laboratory data to support ongoing R&D and optimize solvent performance.
- Maintain chemical inventory, manage laboratory cleaning/component maintenance, and adhere strictly to Standard Operating Procedures (SOPs) and safety guidelines.
- Other related tasks may be required

Eligibility requirements:

- Be duly recognized as a student of Memorial University during the time of the placement
- Be in good academic standing
- Respectfully uphold your commitments towards the community partner as prescribed by the work placement
- Complete a post-placement reflection exercise/debrief

Application Process
This position is supported by Memorial's Centre for Social Enterprise (CSE), through their Work Experience in Social Enterprise program.

Please complete the application form here. Applicants will be required to **upload a resume, cover letter and 2 references** (name and email address) in **one pdf document** directly to the form.

Applications will be sorted and sent to the employer for their consideration. Only short-listed student candidates will be contacted for an interview. If a student is successful, the start and end dates of the placement will be confirmed.

Note: All successful candidates through the Work Experience in Social Enterprise program will be asked to attend an event at the end of the semester where each student will have the opportunity to share a brief overview of their experience and key takeaways from their placement.

Deadline to Apply: September 16th

If you have any questions about the position, please contact socialenterprise@mun.ca.