

Funded MASc Opportunity
(Start Date: Summer 2026)
(Open to candidates currently residing in Canada)

Project Description: The Circular Process Engineering Laboratory (CPEL) at Dalhousie University is seeking a motivated MASc student for a funded research project on advancing sustainable technologies for a cleaner, low-carbon future. The MASc student will contribute to developing sustainable engineering solutions involving clean hydrogen (H₂) production using bioelectrochemical pathways, carbon dioxide (CO₂) capture, and resource-efficient processes that enable greener industrial practices. Working within a collaborative, interdisciplinary team, the student will gain experience in experimental methods, system modeling, environmental assessment, and engagement with industry partners. The overarching goal is to advance circular-economy.

If you are motivated to contribute to innovative clean-technology solutions and thrive in collaborative, interdisciplinary research environments, we encourage you to apply. This opportunity is open to Canadian citizens, permanent residents, and international applicants who are already residing in Canada and hold relevant backgrounds in engineering or related fields. We are committed to promoting Equity, Diversity, Inclusion, and Accessibility (EDIA) as a cornerstone of our research and community. We strive to create and sustain an equitable, diverse, and inclusive environment that fosters innovation through a wide range of ideas and experiences. We encourage individuals from underrepresented groups, including women, Indigenous peoples, visible minorities, and people with disabilities, to apply.

What We Offer: Successful candidate will join a supportive and dynamic research environment that fosters both academic and professional growth. Our team offers tailored technical and professional development opportunities aligned with each student's career aspirations. In addition to attending academic conferences and networking events, students will engage with industry partners to gain practical experience and explore real-world applications of their research. The MASc program in Dalhousie University's Faculty of Engineering is typically completed in 1.5 to 2 years of full-time study. Graduate students also have access to health and dental plans, subsidized local transit, and other services. For more information about graduate programs, benefits, and services, please visit the Faculty of Graduate Studies, Faculty of Engineering, and Dalhousie University International Centre webpages.

Required Qualifications:

- BEng or BSc degree in Chemical Engineering, Environmental Engineering, Materials Engineering, Chemistry, or a closely related field
- Strong academic standing
- Demonstrated interest in sustainability, clean technology, or process innovation
- Proof of English language proficiency (if applicable, please see [here](#))

Preferred Qualifications (considered assets):

Experience in any of the following is beneficial but not required:

- Laboratory experimentation or analytical techniques
- Process modeling or simulation
- Environmental systems, sustainability assessments, or circular economy concepts

How to Apply: Please submit the following in a single PDF file:

1. CV or résumé
2. Unofficial transcripts
3. Brief statement of interest (max. 1 page)
4. Contact information for two references

Email applications to: Khaled.benis@dal.ca

Subject line: MASc Application – Sustainable Engineering Research

Please note that only shortlisted candidates will be contacted.