

Two (2) PhD Opportunities – Rechargeable Battery Research, Department of Chemical Engineering, Queen’s University

We are seeking **two** curious, motivated, and collaborative Ph.D. students to join our research program on next-generation rechargeable batteries. These positions are ideal for individuals passionate about advancing energy storage technologies that will power a sustainable future. See our website ([Home - RechargeLab@Queens](#)) for more information.

The Department of Chemical Engineering at Queen’s University offers a collaborative, multicultural, and inclusive environment, with access to state-of-the-art research facilities and a vibrant graduate community. These positions are supported, providing a CA \$32,000 per year for four years.

Why Queen’s University?

Located in Kingston, Ontario, Queen’s is one of Canada’s leading research-intensive universities, known for its academic excellence, rich history, and welcoming campus culture. With students and researchers from over 100 countries, Queen’s offers a truly global community and strong support for international students, including immigration advising, cultural integration programs, and English language support. Kingston itself is a safe, student-friendly city on the shores of Lake Ontario, conveniently located between Toronto, Ottawa, and Montreal.

Candidate Profile

We are looking for candidates who demonstrate excellence, creativity, and commitment to high-impact research:

1. Education:

- Recent MAsc/MSc in Chemical Engineering, Materials Engineering/Science, or a related field, ideally with a focus on energy storage materials.
- Strong academic record in electrochemistry, materials characterization, and/or nanomaterials.

2. Research Experience:

- Prior work in functional materials is preferred.
- Knowledge of Li-ion battery materials is advantageous.
- Publications in reputable journals are a strong asset.

3. Technical Skills:

- Familiarity with electrochemical and material characterization techniques (e.g., cyclic voltammetry, EIS, XPS, XRD, SEM).
- Hands-on experience with synthesis and fabrication of Li-ion electrodes or flow batteries is an asset.

4. Other Skills:

- Independent and self-driven work style, with creative problem-solving ability.
- Strong communication skills for both technical and general audiences.

Start Date: January or May 2026

How to Apply:

Please email your CV, cover letter, and contact information for two references to hoang.dang@queensu.ca. Only shortlisted candidates will be contacted for interviews.

Equity and Inclusion:

We welcome applications from all qualified individuals and are committed to equity, diversity, and inclusion. We particularly encourage applications from women, visible minorities, Indigenous peoples, persons with disabilities, and LGBTQ2S+ individuals. Applicants requiring accommodation during the recruitment process are invited to contact hoang.dang@queensu.ca.

More info about graduate studies at Queen's:

[How to Apply for Graduate Studies at Queen's](#)

[Graduate Studies in Chemical Engineering at Queen's](#)

[International Students – School of Graduate Studies](#)