



### NEW Clean Energy Co-op Program for Master of Engineering Students

UBC’s Faculty of Applied Science and the Clean Energy Research Centre (CERC) now offer a new Master’s degree in Clean Energy Engineering—the first of its kind in Canada and one of only a handful worldwide.

The Master of Engineering - Clean Energy Engineering (M.Eng. Clean Energy) is intended for those with an undergraduate degree in engineering or similar background, who are interested in advanced training related to energy efficiency and conservation (EE&C), including energy-efficient technologies that will help meet the global need for energy while reducing electricity consumption, as well as greenhouse gases and other emissions.

The program focuses on the supply-and-demand sides of energy, including: energy conservation; social change concepts; efficient use of electricity; energy supply; and methods for comparing and evaluating alternative energy scenarios. Attention is also devoted to sustainable energy sources such as biomass, solar, wind and small-scale hydro.

The professional degree program is comprised of coursework, a project and optional four- or eight-month co-op work terms. From the core courses and broad range of electives, students acquire new skills and build on their knowledge base to advance their career goals. Unlike research-focused graduate degrees, this Master of Engineering program concentrates on areas such as business, management and leadership, as well as other aspects of the energy sectors.

<b>Application Deadline</b>	Min. 6 weeks before start of work term
<b>Work Term(s)</b>	May to August and/or September to December
<b>Employment Details</b>	Min. of 13 consecutive weeks to max. of 32 weeks, at full-time hours (35-40 hours/week)
<b>Eligible Students</b>	Enrolled in UBC’s Master of Engineering Clean Energy Program



The objective the Master of Engineering Clean Energy Co-op Program is to provide opportunities for M.Eng. Clean Energy co-op students to gain experience in the application of EE&C skills and concepts from various sectors and industries in Canada and beyond.

## Relevant Positions

Examples of job duties that would be appropriate for co-op experiences include:

- Research and development of new, demand-side technologies that save energy
- Analysis, modelling, or design of new/existing homes, commercial buildings, and industrial facility energy use
- Testing, energy audits/studies, and measurement of energy performance technologies and facilities
- Monitoring, Targeting, & Reporting (MT&R) and Measurement & Verification (M&V) methods
- Energy management or energy coaching, including operation and maintenance in support of efficiency
- Energy economics, decision-making, and behaviour in homes or businesses
- Conservation programs for electric, gas, or district energy utilities
- Policy support of energy efficiency initiatives such as building codes, equipment standards, or government or utility incentive programs
- Resource extraction, transformation, or transmission systems for the supply of conventional or renewable energy

## Process for Posting Co-op Positions

- 1. Contact UBC Engineering Co-op:** To learn more about this new program, contact Daria Hucal at 604.822.4280 or [daria.hucal@ubc.ca](mailto:daria.hucal@ubc.ca).
- 2. Submit a job description** for review and posting to [daria.hucal@ubc.ca](mailto:daria.hucal@ubc.ca).
- 3. Review co-op candidates:** Review detailed student applications including cover letters, resumes and transcripts sent directly to you as a .pdf package.
- 4. Interview candidates:** After screening applications, select

the candidates you wish to interview and contact the UBC Engineering Co-op Program to arrange interviews according to your schedule. Interviews may take place at the UBC campus, at your workplace, or via telephone or Skype. Our staff will organize all interview details and forward the schedule to you.

**5. Rank candidates:** Following the interviews, you will rank the candidates you feel would be a match for your position.

**6. Receive an employment match:** The UBC Engineering Co-op Program will inform you of your candidate match.

## Co-op Job Description Details

Your co-op job description should outline:

- Proposed projects the co-op student will be involved in
- Skills required for the position(s)
- Proposed employment period
- Salary

During the work term, UBC Engineering Co-op staff and a UBC faculty member will conduct a mid-term site visit to see how the work term is proceeding. Students are required to complete a work term report for each four-month period of co-op employment, and to be assessed on their performance.

## Co-op Salaries

Co-op salaries are determined by the employer; information about salary averages and competitive salary amounts are available at [www.ubcengineeringcoop.com](http://www.ubcengineeringcoop.com). Senior undergraduate and Master's co-op students generally receive salaries in the range of \$2,800 to \$4,000 monthly.

## Contact Details

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