

Sustainable Energy Engineering and Policy

Carleton University has well established strengths in the sustainable energy field in regards to both engineering and policy. Our master's program in Sustainable Energy addresses crucial challenges related to sustainable energy production and use in a unique interdisciplinary fashion that integrates both engineering and public policy.

In practice, the field of sustainable energy consists of two distinct disciplines: engineering and policy. A lack of mutual understanding between these fields hinders the progress of sustainable energy. Recognizing this barrier, Carleton created a program which involves learning across and between these two disciplines. Regardless of their chosen degree, students in the sustainable energy program take courses that provide them with an understanding of both disciplines. Policy students thus gain an understanding of the engineering aspects of sustainable energy and engineers gain an understanding of what constitutes sustainable energy policy.

The MA degree advances the understanding of what constitutes sustainable energy policy, how sustainable energy policy is developed and implemented and what challenges and barriers it faces. A **co-op option** is available in the MA and MEng programs. Both the MAsC and MEng degrees in Mechanical Energy Conversion provide broad, in-depth exposure to the design, development, implementation and improvement of

energy conversion methods and systems. The MASc and MEng degrees in Efficient Electrical Energy Systems focus on the design, optimization and realization of electricity distribution systems.

Degrees Offered

MA: The MA in Sustainable Energy Policy examines the building blocks of sustainable energy policy, how sustainable energy policy is developed and implemented and what challenges and barriers it faces. A co-op option is available in the MA program.

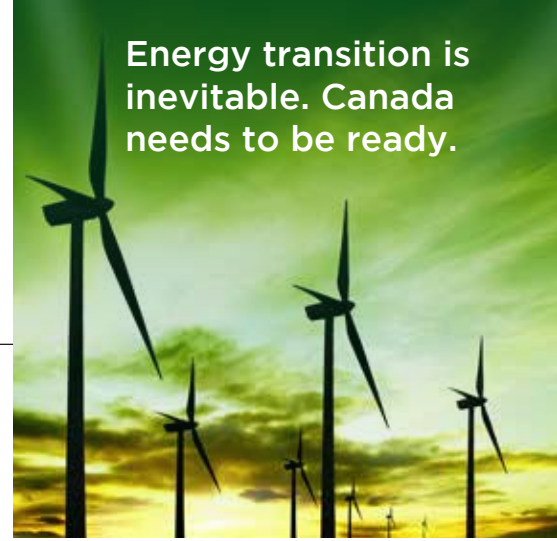
MAsC, MEng: There are two fields associated with the MASc and MEng degrees of the program: Mechanical Energy Conversion and Efficient Electrical Energy Systems. The former provides broad, in-depth exposure to the design, development, implementation and improvement of energy conversion methods and systems while the latter focuses on the design, optimization and realization of electricity distribution systems.

Fall Application Deadline

February 1 (MA); **March 1** (International MASc and MEng applicants); **August 15** (Domestic MASc and MEng applicants).

Funding

Last year, Carleton graduate students received over \$46M in student support funding! Though



Energy transition is inevitable. Canada needs to be ready.

external awards must be applied for, administrators will automatically consider you for a possible admissions funding offer when you submit your application. If you are eligible for this funding, you will be notified on your Offer of Admission.

Admission Requirements

MA: A bachelor's degree, or equivalent, with at least a B+ average. Students are accepted from a wide variety of backgrounds in the social sciences, humanities, sciences and engineering. Mid-career applicants, who do not have a bachelor's degree but who have demonstrated professional excellence over a number of years in the public sector, will also be considered.

MAsC and MEng: A bachelor's degree, or equivalent, in a discipline relevant to engineering disciplinary foundations. Normally, an average of B+ or higher is required for admission.

“The program has given me the opportunity to develop the interdisciplinary skills and tools required to realize a cleaner and brighter world.”

— Travis Dagg, MA/18

Contact Info

MAsC, MEng:
613-520-2600 x6009
MA: 613-520-2600 x2548
sustainableenergy@carleton.ca