

## GRADUATE PROGRAMS IN

# SUSTAINABLE ENERGY ENGINEERING AND POLICY

Sustainable energy is critical to Canada's economic future.

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 involves both engineering and public policy.

The program involves learning across two distinct disciplines, with students specializing in either engineering or public policy before graduating with either an engineering degree (MASc or MEng in Sustainable Energy) or a public policy degree (MA in Sustainable Energy). Once a specialization is chosen, students take courses that engage with the program's disciplinary component: public policy for those specializing in sustainable energy engineering; and engineering for those specializing in 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 program. 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, MASc, MEng

## CAREER OPTIONS

The program prepares students for career opportunities related to sustainable energy in government, business, and the civil society sector, and/or to serve as a foundation for further graduate education at the doctoral level.

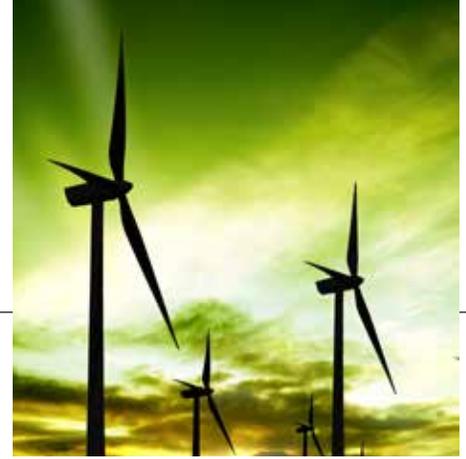
## FALL APPLICATION DEADLINE

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

## ADMISSION REQUIREMENTS

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

**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.

Applicants must have completed a university course in micro- and macroeconomic theory and at least a second-year political science course dealing with institutions and processes by which governments legitimize and exercise power, ideally in a Canadian setting. A working knowledge of algebra is also expected. In some cases, applicants may be admitted to the program without having completed one of the prerequisite courses in economics or political science on the condition that the course be completed with a grade of B- or higher in the first year of the program. However, it is strongly recommended that students complete the prerequisites before starting the program to ensure that their progress through the core courses is unimpeded.

“The Sustainable Energy program has given me both knowledge and practical experience.”

— Sarah Gibb, MA/12

## CONTACT INFO

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