All of our graduate programs in mechanical and aerospace engineering are offered through the Ottawa-Carleton Institute for Mechanical and Aerospace Engineering (OCIMAE), which combines the research strengths and resources of Carleton University and the University of Ottawa.

Our researchers are leaders in advancing aerodynamics; vehicle dynamics and simulation technologies; biomedical engineering and design of devices, health monitoring and management systems; design optimization of advanced materials and structures; convective heat transfer characteristics in supercritical fluids with application to nuclear-reactor cooling; robotics; navigation; combustion; and the development of sustainable energy sources. Our graduate students are an essential part of our research enterprise.

We offer a thesis program (MASc) which typically takes two years to complete and coursework or project options (MEng) which can be completed in one year, as well as a PhD degree. We offer a climate change specialization in the MASc programs in Aerospace, Materials and Mechanical Engineering.

Degrees Offered
MASc, MEng, PhD

Career Options
Our research benefits from strong relationships with external research centres locally and globally. These strong relationships offer our students diverse research and career opportunities.


Fall Application Deadline
Applications may be submitted at any time. However, for fall admission, the deadline is August 31, to be considered for admission and funding if space and funds remain. We also offer summer and winter admissions to the MASc and PhD programs, as well as winter admission to the MEng program.

Admission Requirements

MASTER’S: A bachelor’s degree with at least a B+ in mechanical or aerospace engineering or a related discipline; B- or higher overall.

PhD: A master’s degree in mechanical or aerospace engineering or a related discipline.

Contact Info
613-520-2600 x5683
gradadmineng@carleton.ca