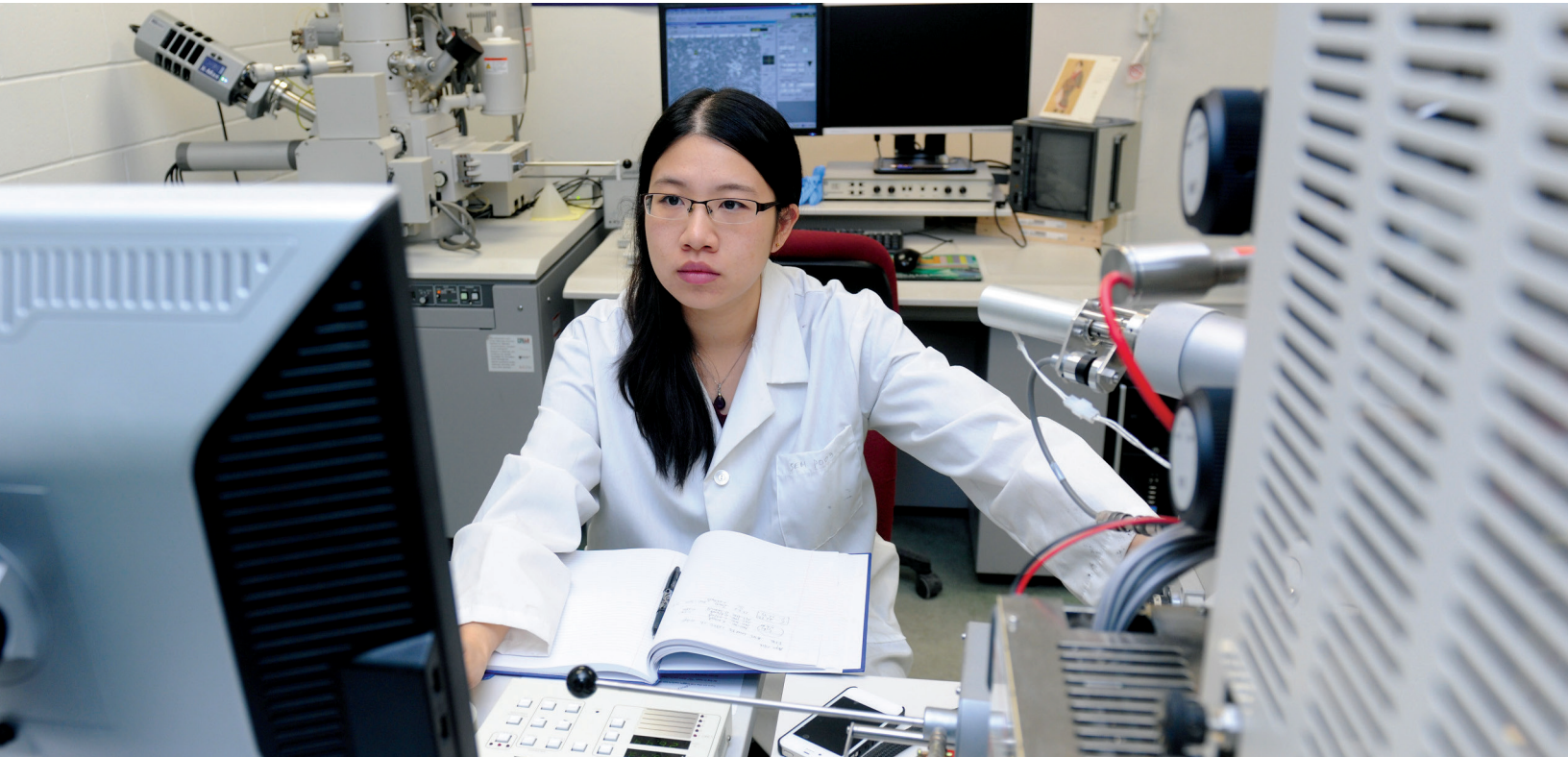


MATERIALS ENGINEERING



Master of Engineering (MEng)
Master of Applied Science (MASc)
Doctor of Philosophy (PhD)

The Materials Engineering Program has an exceptional track record with activities principally centred on research of direct commercial relevance. The program offers opportunities for students to complete their degrees in the areas of material design and development (alloys, ceramics, composites), advanced manufacturing practices (powder metallurgy, powder injection moulding, brazing), coating technologies (thermal spray, electro-deposition), and material characterization techniques (wear, corrosion, mechanical testing).



DAL.CA

Why study Materials Engineering at Dalhousie?

RESEARCH STRENGTHS

A pivotal strength of the Materials Engineering program is the deep connectivity that faculty maintain with an array of high-tech industrial partners in Canada and beyond. Core collaborating firms (i.e. Boeing, GKN Powder Metallurgy, Westcast Industries, Pratt & Whitney Canada) inject millions of dollars in research funding into the program each year. These strategic relationships allow graduate students to maintain direct contact with academic and industrial researchers within a forum that fosters national/international collaboration and the highest level of practical, professional training possible. Other advantages invoked through the program's prolific industrial support include the ability to select from a diverse range of research topics, above average stipends, solid financial backing for research expenditures, access to a broad range of state-of-the-art research equipment, and frequent opportunities to present their findings at international conferences.

POTENTIAL CAREERS

Upon completion of their graduate-level studies in Materials Engineering, students invariably move on to secure high-level positions in many sectors vital to Canadian prosperity. Frequently, graduates elect to engage positions within federal research laboratories such as the National Research Council of Canada, Alberta Innovates, and Defence Research and Development Canada. Others choose to pursue professional positions at leading-edge Canadian manufacturing companies thereby strengthening the national research base. Typical employers have included companies within the energy, automotive, and aerospace sectors such as Syncrude, ExxonMobil, Encana, Shell, Irving Oil, Irving Shipbuilding, Dana Long Manufacturing, GKN Powder Metallurgy, Pratt & Whitney Canada, IMP Aerospace, Alcoa, and Alcan to name but a few.

ADMISSION REQUIREMENTS

Candidates must satisfy the general requirements for admission to the Faculty of Graduate Studies.

APPLICATION DEADLINE

Same as the general application deadlines outlined by the Faculty of Graduate Studies (applications are accepted for September, January, and May admission).

CONTACT INFO

902.494.1288

gsr@dal.ca

dal.ca/mechanicalengineering

FACULTY OF GRAD STUDIES

Dalhousie University | PO Box 15000 | Halifax Nova Scotia | Canada B3H 4R2 | dal.ca/grad
Tel: 902.494.2485 | graduate.studies@dal.ca | [@dalgradstudies](https://twitter.com/dalgradstudies) | [/dalgradstudies](https://facebook.com/dalgradstudies) | [@dalhousie_university](https://instagram.com/dalhousie_university)

