

About the Position

Field of Specialization: Aerospace Engineering

Academic Unit: Mechanical and Aerospace Engineering

Category of Appointment: Preliminary (Tenure-Track)

Rank/Position Title: Assistant or Associate Professor – Teaching Stream

Salary Range Begins at \$80,147

Existing Vacancy: Yes

Start Date: July 1st, 2026 (Flexible)

Closing Date: Until Filled

The Department of Mechanical and Aerospace Engineering invites applications for a tenure-track appointment at the rank of Assistant or Associate Professor - Teaching-Stream. Applicants must have expertise in Space Systems Engineering. Experiences related to space industries, government agencies, or research institutes/centres would be an asset. Candidates with expertise in orbital mechanics, spacecraft design, spacecraft dynamics and control, and launch vehicle design are encouraged to apply. The target start date is July 1, 2026, although this is flexible.

To see the full position posting, please visit Carleton University's [Deputy Provost's website](https://carleton.ca/deputyprovost/jobs/academics/) at <https://carleton.ca/deputyprovost/jobs/academics/>.

The successful candidate will teach a total of six undergraduate courses (three courses per term, in some cases including two sections of the same course). Topics will include Dynamics, Orbital Mechanics, Spacecraft Design, Transatmospheric and Spacecraft Propulsion, Spacecraft Dynamics and Control, and fundamental engineering topics such as Feedback Control Systems, and Thermodynamics.

The candidate should have a commitment to teaching excellence, the vision and capabilities to develop and employ innovative teaching methods, maintain an inclusive and engaging environment for students, and contribute to the overall development of the Aerospace Engineering program. The successful candidate will also be expected to contribute to the Department of Mechanical and Aerospace Engineering, Faculty of Engineering and Design, and the broader Carleton University community through involvement with student-centered events/projects/design teams, recruitment, student mentorship and advising, participation in committees, and service. No research expectations are associated with this position.

We encourage applications from candidates from groups underrepresented in engineering with potential or experience in mentoring students from such groups.

About the Academic Unit

At the Bachelor's level, the Department has 4 programs: Mechanical, Aerospace, Biomedical & Mechanical, and Sustainable & Renewable Energy Engineering. The Aerospace Engineering program is divided into 4 streams: Stream A (Aerodynamics, Propulsion, and Vehicle Performance), Stream B (Aerospace Structures, Systems, and Vehicle Design), Stream C (Aerospace Electronics and Systems), and Stream D (Space Systems Design). At the Master's level, the Department offers degrees in Mechanical, Aerospace, Materials, Biomedical, and Sustainable Energy Engineering. At the Ph.D. level, the Department offers degrees in Mechanical and Aerospace Engineering.

The Department's substantial strength in aerospace engineering stems from a very long history of aerospace education and research. The size and breadth of the Department's faculty complement with research

expertise in aerospace place Carleton amongst the leading aerospace institutions in Canada. Information on the Department is available at <http://carleton.ca/mae>.

Qualifications

- A Ph.D. in engineering, preferably in space systems, astronautical, aerospace, or another related field. With prior research or industrial experience, candidates close to completion of their Ph.D. will also be considered.
- A proven track record of advancing equity, diversity, and inclusion in the discipline and on campus will be considered an asset.
- Demonstrated teaching excellence or potential for outstanding teaching contributions.
- Excellent ability to contribute to the academic life of the Unit.
- Demonstrated ability to carry out collaborative development of innovative teaching methods with existing members of the Unit is an asset.
- Be licensed, or eligible to become licensed, as a professional engineer in the province of Ontario.

Application Instructions

Applications must be sent electronically using a single PDF file, which includes the following:

- Cover Letter (1-2 pages)
- CV (no page limit)
- Statement of Teaching Interest. This may include teaching philosophy, samples of teaching course materials, pedagogical approaches, published research on pedagogy, innovative teaching methods, strategies for inclusive learning, experience with student mentorship/design teams, and other evidence of teaching effectiveness

Please also include a statement that identifies your strengths and/or experience in advancing equity, diversity and inclusion in your teaching, service, and/or scholarly activities.

Applications must be submitted via email to Hiring.MAE@carleton.ca including 'Teaching Stream' in the Subject.

About Carleton University

Located in Ottawa, Carleton is an innovative teaching and research institution with a tradition of leading changes. Internationally recognized academics, staff, and researchers engage more than 31,000 students in over 100 programs of study. Carleton has long been known for promoting research excellence and connectedness and is involved in partnerships around the globe. With strong leadership, it enjoys a healthy financial position and our proximity to government and cultural institutions, media, and a thriving knowledge economy make Carleton and Ottawa a great place to work, learn, and live. Our picturesque campus is fully accessible and, along with award-winning student services, Carleton's Paul Menton Centre for Students with Disabilities has been heralded as the gold standard for disability support services in Canada. Learn more about [our university and the city of Ottawa](https://carleton.ca/deputyprovost/jobs/) at <https://carleton.ca/deputyprovost/jobs/>.

Accessibility is a university strategic priority and applicants selected for an interview who require any accommodation are invited to contact the Chair as soon as possible to ensure that appropriate arrangements may be made.

All qualified candidates are encouraged to apply; however, Canadians and permanent residents will be given priority. All positions are subject to budgetary approval.

