



MCGILL ENGINEERING STUDENT CENTRE

Pursuing Graduate Studies in McGill's


Faculty of Engineering



McGill

Faculty of
Engineering





Why Pursue Graduate Studies in McGill's Faculty of Engineering?



Diverse Faculty

A diverse body of high-calibre and engaged graduate students, along with professors of international stature



World Class Research

Consistently ranked as one of the world's top engineering schools, embedded in an equally strong community of Faculties with world class research centers and institutes



Interdisciplinary

Interdisciplinary research that is fostering cutting-edge innovations. Research collaboration with industry that leads to technology transfer, social impacts and employment opportunities



Study in Montreal

Vibrant and safe campus in downtown Montreal, Canada



The **McGill** Community

QS World University Rankings 2024:

Ranked 30th in the world overall and 41st in the world for Engineering & Technology

QS Best Student Cities 2024:

Montreal is ranked 13th best city in the world to be a student

McGill is associated with:

12 Nobel laureates

3 Canadian Prime Ministers

147 Rhodes Scholars



The Faculty of Engineering

Over 570 doctoral students and 520
Master's students enrolled

33% graduate students are female

Female professors comprise 22% of faculty



Academic Units

Departments

Bioengineering

Chemical Engineering

Civil Engineering

Electrical & Computer Engineering

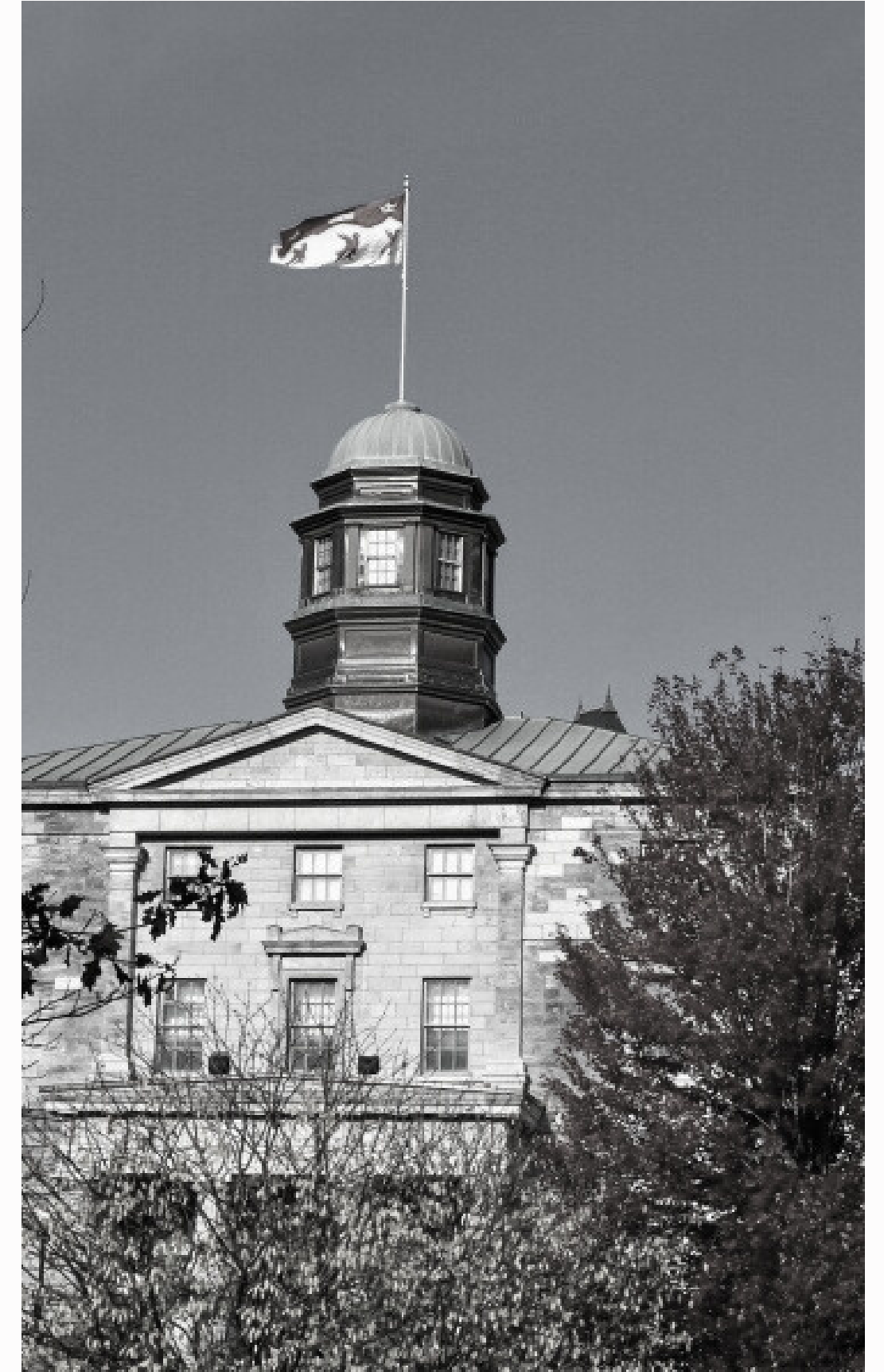
Mechanical Engineering

Mining & Materials Engineering

Schools

Architecture

Urban Planning



Institutes, Centers & Networks

Institutes

McGill Institute for
Advanced Materials (MIAM)

McGill Institute for
Aerospace Engineering
(MIAE)

Trottier Institute for
Sustainability in Engineering
and Design (TISED)

Research Centers

Centre for Systems, Technologies and Applications for
Radiofrequency and Communication (STARaCom)

Center for Intelligent Machines (CIM)

Brace Center for Water Resource Management

Plasma Technology Research Center

Center for Orebody Modeling and Strategic Mine
Planning (COSMO)

McGill Aerospace Materials & Alloys Development
Center (MAMADC)

McGill Centre for Innovation in Storage and Conversion
of Energy (McISCE)

Related Units

Dept. of Bioresource
Engineering
(Agricultural &
Environmental
Sciences)

Dept. of Biomedical
Engineering (Medicine)

School of Computer
Science (Science)

Before You Apply





Available Degrees

Degree Programs

- Doctor of Philosophy (Ph.D.)
- Course-based Master of Engineering (M.Eng.)
- Research-based Master of Science (M.Sc.)
- Master of Urban Planning (M.U.P.)
- Master of Engineering (M.Eng., non-thesis) in Sustainability in Engineering and Design (TISED)

Professional Programs

- Master of Aerospace Engineering (M.Eng.)
- Master of Architecture (M.Arch)

What Paths Are Available?

Master's Degree (~2 Years)

Course-based Option

- Lots of courses + a relatively short independent project
- Limited financial support available
- Specializations possible: e.g., Environmental

Thesis Option (a research focused path)

- Fewer courses + more extensive research project
- A more natural path to a Ph.D.

Direct Entry to PhD

- Very common in top U.S. programs
- Less common in Canadian universities; McGill offers a Master's to PhD fast-track program





Funding **Your Graduate Studies**



Master's Top-Up Award

Guaranteed **top-up award of \$5,000** to successful NSERC (PGSM, CGSM), CIHR, SSHRC, FQRNT, FRSQ, and FQRSC Masters scholarship recipients at McGill Engineering

MEUSMA

McGill Engineering Undergraduate
Masters Student Award

~\$24,000/year for 2 years
(+ tuition difference for 1.5 years for
intl. students)

Eligibility:

- CGPA > 3.5
- past participation in undergraduate research activities with a McGill Engineering professor

Funding your **Doctoral Degree**

Canadians & Permanent Residents

MEDA Award

\$27,000/year for 4 years

CGPA > 3.5

Vadasz Fellowships

\$32,000/year for 4 years

CGPA > 3.7

International Students

MEDA International

\$27,000/year + tuition difference for 4 years

MEITA Award

tuition difference for 4 years

External Funding

Guaranteed annual top-up for students with tri-agency scholarships

Travel Funding

www.mcgill.ca/gps/students/graduate-research-trainee

Graduate Research Enhancement and Travel Award (GREAT Award)

Funding in support of graduate student travel to conferences and research-enhancement activities

Graduate Mobility Award (GMA) & Voucher

Funding to encourage graduate students to study and conduct research abroad as part of their McGill degree program, including cost associated with visits to research stay at a lab abroad, field work abroad or participation in a formal bilateral exchange/research partnership abroad

Graduate Research Traineeship (GRT)

Graduate students enrolled at another universities can attend McGill for up to 12 months to conduct research. Must be supported by a McGill professor and have approval of their home university.

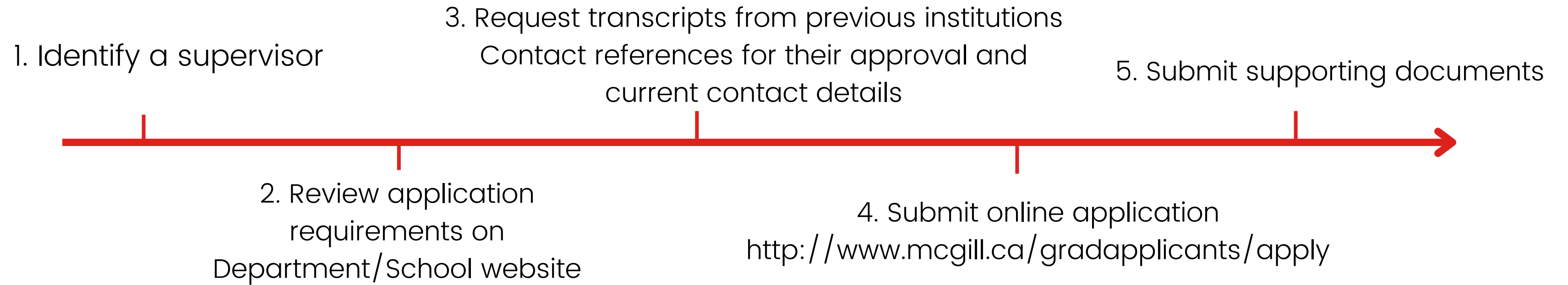




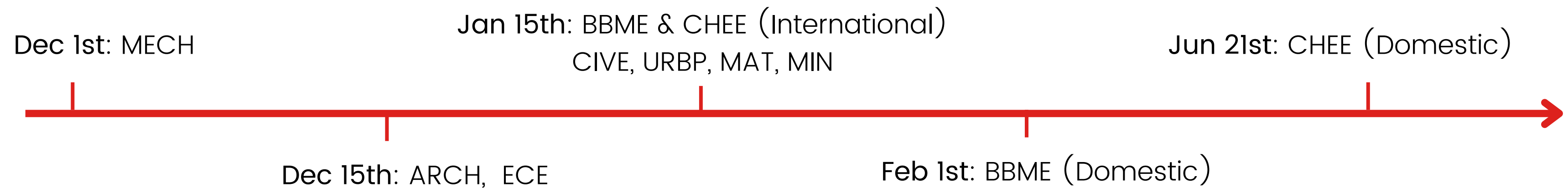
Applications and Deadlines



Steps to Apply



Fall Application Deadlines



Please note: These are the deadlines currently advertised at each department's website. These dates might change without prior notice. Please consult the respective Graduate Studies webpage when applying for updated deadlines.





Choosing a School That's Right For You



A prestigious school can create many opportunities



Do you like the location? Have you met/spoken with any current students?



Does it offer the program you want?



In some institutions, you are accepted to the program and choose a supervisor after the first term. At **McGill**, someone has to agree to supervise you before you are admitted.



You may need to write specialized exams (e.g., GRE)



Don't sell yourself short – Aim high! ... but always have a backup plan.

Choosing a Supervisor



Reach Out!

Make contact well in advance of deadlines and meet your prospective supervisor, their graduate students, ask questions



Get the Basics

Are they currently taking on new supervisees?
What is their track record for graduating students on time?



Research Alignment

Are you interested in their research?
Are they actively publishing research in respected journals?



Other Considerations

Do they support students to attend and present at conferences?
Are they regularly available?
What is their management style and expectations?

Breakout Rooms

- Visit breakout rooms for program-specific information.
- Come back to the main room for general questions & information about Montreal.
- Visit the Engine breakout room to know more about the center's initiatives

Contact Us

Book an Advising Appointment

Visit the MESC website to book a one-on-one appointment to discuss your application or our graduate programs:

<https://www.mcgill.ca/engineering/students/undergraduate/mesc/sao/contact-us>

E-mail Address

graduatestudies.engineering@mcgill.ca



Accepting Your Graduate Offer

Questions you should you ask yourself before accepting your offer for graduate studies!

- What is the reputation of the research program and/or research institution?
- Have I been offered a funding package?
- What makes up my funding package?
- Is the funding package competitive when compared to the cost of living?
- Will I have a high quality of life/student life?
- What support is available for future employment after degree completion?





Studying In **Montreal**

Affordable Cost of Living and Tuition Fees

- Cost of living and tuition fees for international students are lower than in other countries, including the USA and the United Kingdom

High Quality of Life/Student Life

- One of the most cosmopolitan and diverse cities in the world
- Post-Graduate Students' Society (PGSS)
- Source of support throughout your academic graduate work
- Subsidized social activities and events
- Thompson House
- Department-specific student associations

Post-Graduation Employment

- The Government of Canada offers a three-year post-graduation work permit for international student graduates of Canadian universities
- The 2022 Times Higher Education Global Employability Survey ranked McGill University 29th in the world



The best student city in the Americas and Canada's university capital

- **Canada's university capital:** 15 university institutions and 60 colleges
- **320,000 post-secondary students**, including more than **200,000 university students** and **35,500 international university students**
- **1st in Canada for university research funding** with \$1.34+ billion yearly



Best student city in the Americas
tied with Boston
QS Best Student Cities Rankings
2022

1	Montréal tied with Boston
2	Toronto
3	New York
4	Vancouver
5	San Francisco

Source: QS Best Student Cities in the World, 2022; Ministry of Education and Higher Education, 2021; Research Infosource Inc., 2020.

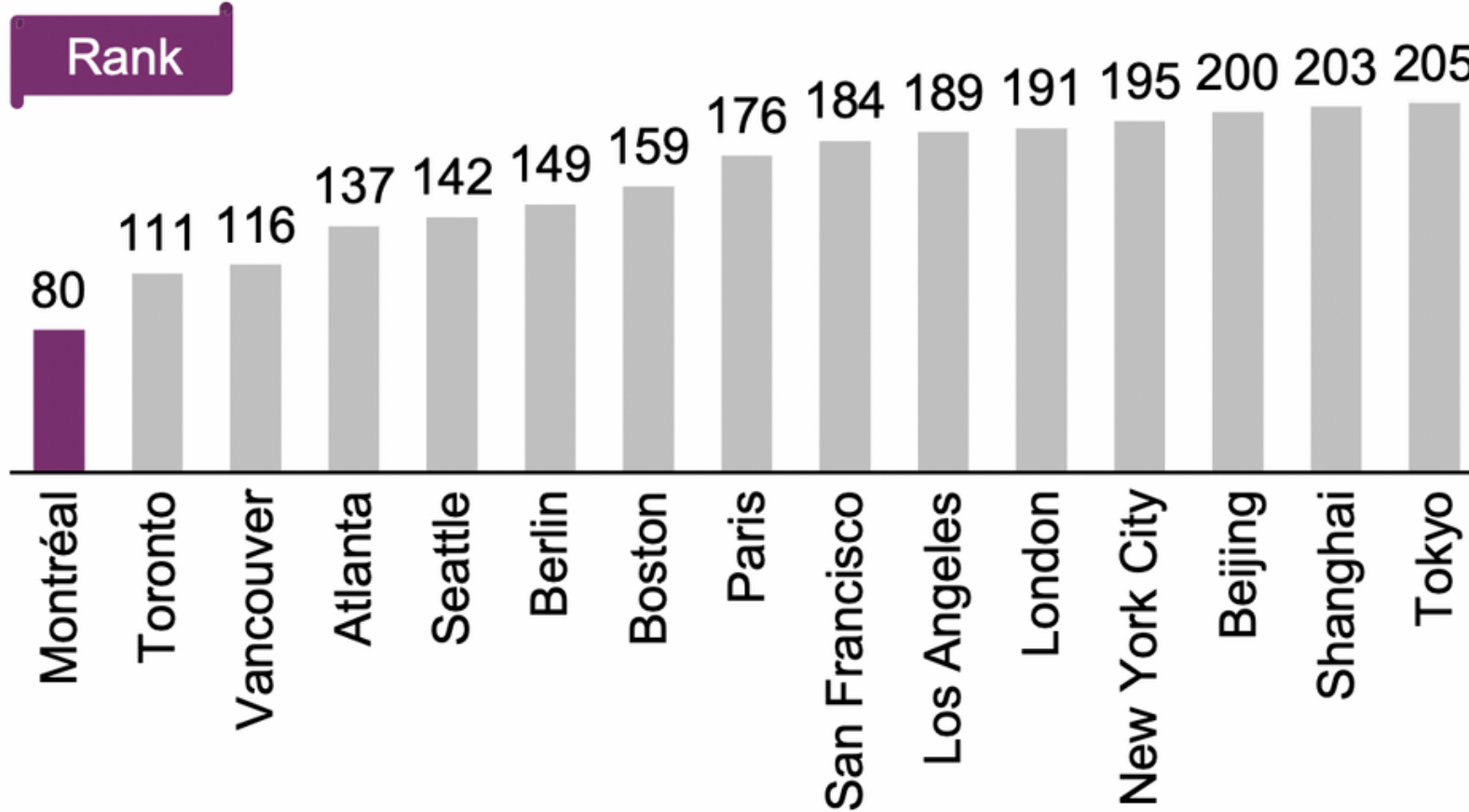




A low cost of living

Greater Montréal is **cheaper than almost all other large cities** in North America, Western Europe, China and Japan:

Mercer Cost of Living Index
World rank from least to most expensive*, 209 cities

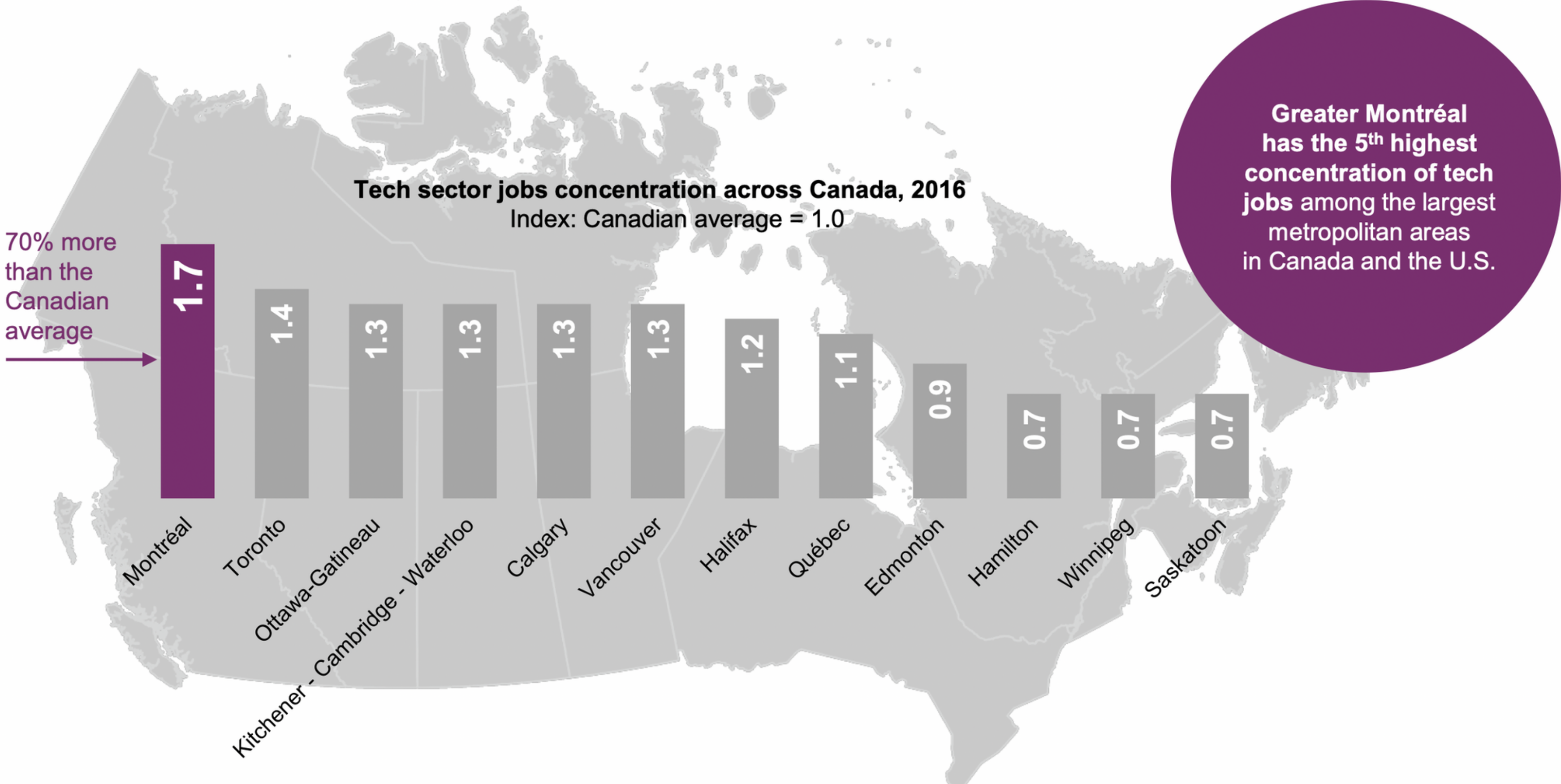


Greater Montréal offers a higher purchasing power thanks to:

- **Cheap housing**
- **Low medical insurance costs**
- **Generous family allowances**
- **Affordable child care**

* Montréal International's analysis.
Source: Mercer, "Cost of Living Survey," 2021.

The highest concentration of tech jobs in Canada



Source: Brookfield Institute for Innovation and Entrepreneurship, "The State of Canada's Tech Sector", 2017; "Scoring Tech Talent", CBRE, 2021.