



McMaster University
Fact Book:

2021 | 2022

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**BRIGHTER
WORLD**





Introduction

October, 2022

We are pleased to present our university community with the 2021-2022 McMaster University Fact Book. The Fact Book is a compilation of the most frequently requested data and statistical information about McMaster University. It is a basic source of official university data and a valuable resource for high-level, aggregate information.

Many significant events occurred during the 2021-2022 academic year. In the Times Higher Education (THE) Impact Ranking, which recognizes the impact universities are making to the United Nations' Sustainable Development Goals (SDGs), McMaster placed first in Canada for steady continuous work to advance SDG3: Health and Well-being. McMaster also placed second in Canada for both SDG8: Decent Work and Economic Growth and SDG10: Reduced Inequality. McMaster remained one of Hamilton-Niagara's Top Employers for the seventh consecutive year and received recognition as one of Canada's Best Diversity Employers for the fourth consecutive year. McMaster also ranked one of the world's Top 50 universities for Life Sciences and Medicine in the 2022 QS World University Rankings by Subject and first in Canada for graduate student research intensity by Research Infosource.

McMaster continued to successfully navigate the COVID-19 pandemic while transitioning back to in-person activities. Flexible, hybrid learning and working models were implemented for students, staff, and faculty to ensure an excellent and varied student experience. A Return to Campus Operational Committee was established to plan for health safety and operation requirements across campus. Moreover, student success was facilitated through a range of new initiatives, including the Student Success Centre's online workshops for career planning and job seeking.

Canada's Global Nexus for Pandemics and Biological Threats remained at the forefront of research and innovation. McMaster's Equity, Diversity, and Inclusion (EDI) Strategy completed more than 60 per cent of the strategic priorities to embed an inclusive approach across the institution. In addition, McMaster launched its first university-wide Sustainability Strategy with a collective commitment to engage students, faculty and staff in transforming the campus.

We thank the McMaster community for their contributions to this edition of the McMaster University Fact Book.

The Office of Institutional Research and Analysis (IRA) provides accurate, timely and high-quality data to academic and administrative offices at McMaster. IRA strives to ensure that this Fact Book meets the information requirements of its readers and welcomes comments and/or suggestions on the contents and usefulness of this publication through irahelp@mcmaster.ca.

Sincerely,

Joanne Gittens
M.Sc., M.B.A., Ph.D.
Director
Institutional Research and Analysis
McMaster University

Susan L Tighe
Ph.D., P.Eng., FCAE, FCSCE
Provost and Vice-President (Academic)
Professor of Civil Engineering
McMaster University

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FACT BOOK 2021-2022

Any questions concerning the contents of this book should be directed to:

INSTITUTIONAL RESEARCH AND ANALYSIS

McMaster University
1280 Main Street West
Hamilton, Ontario L8S 4L8

Phone: 905-525-9140, ext. 23530
Email: irahelp@mcmaster.ca
URL: ira.mcmaster.ca

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- Facility Services
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- Faculty of Engineering
- Faculty of Health Sciences
- Faculty of Humanities
- Faculty of Science
- Faculty of Social Sciences
- Financial Services
- MacPherson Institute for Leadership, Innovation & Excellence in Teaching
- McMaster Continuing Education
- McMaster Innovation Park
- McMaster Museum of Art
- Office of Community Engagement
- Office of International Affairs
- Office of the President
- Office of the Provost and Vice-President (Academic)
- Office of the Vice-President (Research)
- School of Graduate Studies
- Student Affairs
- University Advancement
- University Library



McMaster Institutional Priorities and Strategic Goals

McMaster University continues to earn its international reputation as a centre of excellence for teaching and learning, innovation, and creativity. This year, McMaster was again ranked one of only two universities in Ontario and one of only four in Canada among the world's top 100 universities (Times Higher Education). McMaster University continues to rank among the country's most research-intensive universities – for both graduate students and faculty members – in the annual ranking of the country's top 50 research universities. *Research Infosource 2021* ranked McMaster first in graduate student research intensity and second in faculty research intensity.

We serve our community and society by nurturing and supporting the fulfillment of human potential: inspiring creativity and critical thinking, promoting an enduring love of learning and the habit of inquiry, and undertaking innovative research that extends the boundaries and enhances the efficacy of knowledge. We are committed to advancing human and societal health and well-being, and ultimately to creating a brighter world for all.

VISION STATEMENT

Impact, Ambition and Transformation through Excellence, Inclusion and Community: Advancing Human and Societal Health and Well-Being.

MISSION STATEMENT

At McMaster, our purpose is the discovery, communication, and preservation of knowledge. In our teaching, research, and scholarship, we are committed to creativity, innovation, and excellence. We value integrity, quality, inclusiveness, and teamwork in everything we do. We inspire critical thinking, personal growth, and a passion for lifelong learning. We serve the social, cultural, and economic needs of our community and our society.

McMaster University was founded in 1887 and is governed by the McMaster University Act 1976.

STRATEGIC PRIORITIES

McMaster's Institutional Priorities and Strategic Framework for 2021 to 2024 captures the depth of our collective aspirations and desire for impact in all that we do through five institutional priorities: (1) inclusive excellence, (2) teaching and learning, (3) research and scholarship, (4) engaging local, national, Indigenous, and global communities, and (5) operational excellence. The framework aligns with the Equity, Diversity, and Inclusion (EDI), Community Engagement, and Teaching and Learning strategies and supports other planning processes throughout the institution. Collectively, McMaster's vision, mission, and strategic priorities support the priority areas of the Ontario government's 2020-25 Strategic Mandate Agreement (SMA3) and associated performance measurement metrics.

A TRANSFORMATIVE YEAR: LOOKING TO THE FUTURE

Operating both virtually and in-person as we navigated the COVID-19 pandemic, the university has capitalized on its world-leading infectious disease research and longstanding culture of interdisciplinary collaboration. Canada's Global Nexus for Pandemics and Biological Threats continues to draw international networks of experts to consider pressing issues facing our communities. In addition to advancing research excellence across the campus, we are positioning Canada as a global leader in this critically important area. In terms of our faculty, students and staff we have retained the flexibility of hybrid working and learning models, where possible, to ensure an excellent and varied student experience. We have also made significant advances in our work to embed an inclusive approach throughout our operations, and to engage diverse communities. Our focus on sustainability has accelerated with the launch of our first institutional Sustainability Strategy and a number of associated initiatives.

INSTITUTIONAL PRIORITIES AND STRATEGIC GOALS 2021-2022

Any questions concerning the contents of this book should be directed to:

INSTITUTIONAL RESEARCH AND ANALYSIS

McMaster University, 1280 Main Street West, Hamilton, Ontario L8S 4L8
 Phone: 905-525-9140, ext. 23530 | Email: irahelp@mcmaster.ca | URL: ira.mcmaster.ca

**Any revisions to the McMaster Institutional Priorities and Strategic Goals will be reflected in its web version. Please check president.mcmaster.ca/annual-reports for the most up-to-date version.*

1 PRIORITY 1: Inclusive Excellence

Aspire to embed an inclusive approach that intentionally engages and respects a diversity of peoples, perspectives and ways of knowing in everything we do.



We have made significant advances in our work to embed an inclusive approach throughout our operations, and to engage diverse communities.

Systems and structures that mobilize and sustain equity, diversity and inclusion

- Since the launch of the Equity Diversity and Inclusion (EDI) Strategy and companion EDI Action Plan in 2019, more than 60 per cent of the strategic priorities identified within the plan have been completed and another 20 per cent are in progress. Through the leadership of McMaster's Equity and Inclusion Office (EIO), the university:
 - Established the EDI Network to coordinate EDI leads and champions and launched baseline EDI training modules for people managers.
 - Launched an Accessibility for Ontarians with Disabilities Act (AODA) compliance audit and reporting tools to enhance the university's capacity to meet 2029 AODA compliance expectations and aspirational goals.
 - Created and implemented the first phase of a web accessibility roadmap to evaluate the alignment of McMaster web materials to the AODA legislation, in partnership with University Technology Services (UTS).
 - Developed new EDI requirements for Institutional Quality Assurance Process (IQAP) submissions, and provided staff training sessions to all MacPherson Institute staff to increase their ability to advise on topics related to equity, diversity, inclusion and accessibility in teaching and learning. EIO continues to consult with the institute on how to embed anti-racist approaches into their work.
 - Collaborated with McMaster Continuing Education and Human Resources Services to develop McMaster's Inclusive Excellence Leadership Program, which is open to academic and non-academic leaders with supervisory responsibility.
- A Mental Health and Well-Being Task Force was struck to identify the key mental health and well-being issues affecting faculty, staff and students at McMaster, exacerbated by the COVID-19 pandemic, and to recommend potential solutions and future directions. Following extensive consultation, the Task Force released their immediate and short-term recommendations as well as an updated Mental Health at McMaster resources section on the Okanagan website and a Compassionate Communications Toolkit to foster psychological health and safety.
 - An Advisor to the Provost and Vice-President (Academic), Special Projects (Mental Health) was appointed, this position is focused on faculty mental health education, training and resources, which will allow for expansion of the Professor Hippo-on-Campus Student Mental Health Education Program for Educators and Navigators, and ongoing collaboration with the Okanagan Office.
 - Student Affairs was awarded Bell Let's Talk funding to conduct an audit using the National Standard for the Mental Health and Well-being of Post-Secondary Students, a set of flexible, voluntary guidelines to help post-secondary institutions support student mental-health and well-being.
- There is a growing number of Faculty of Health Sciences (FHS) programs with facilitated admissions streams for under-represented and equity-deserving groups. This includes Black applicant facilitated admissions streams in the Michael G. DeGroot School of Medicine, the School of Rehabilitation Science, as well as the Bachelor of Health Sciences and midwifery programs.
- The inaugural Faculty Diversity and Climate Survey was launched in November 2021, aimed at better understanding the experiences of inclusion and exclusion of all faculty and staff across FHS.
- The Faculty of Engineering is working towards the Engineers Canada 30x30 mandate. The mandate is working to increase the representation of women in engineering by aiming to increase the number of newly licensed female engineers to 30 per cent by 2030.

In recognition of McMaster's work and focus on employment equity, the university was named one of Canada's Best Diversity Employers in 2022.



- Demands for Student Accessibility Services (SAS) continue to increase each year. In 2021–2022, the number of students registered for SAS increased by 40 per cent. Services provided through SAS include academic accommodations for students as well as testing accommodations through the SAS Testing Centre.

Enhance and innovate research, academic programs and teaching and learning practices in a manner that exemplifies inclusive excellence and interdisciplinary approaches with an impact in diverse communities

- As part of its commitment to equity, diversity and inclusion, The Faculty of Health Sciences (FHS) undertook several initiatives in 2021/2022 including:
 - The Indigenous Health Learning Lodge in the Michael G. DeGroot Centre for Learning celebrated its grand opening in January 2022. This hub for training and curriculum development will provide a safe space with access to Traditional Knowledge Helpers and a student lounge. It will also be an inclusive place for non-Indigenous students to learn more about colonization and reconciliation.
 - The EDI and Indigenous Health Equity Speaker Series launched in the fall of 2021 with a series of five sessions focused on 2SLGBTQIA+ positive spaces and care. The series, featuring a number of McMaster and FHS experts, was highly attended with very positive feedback. The spring 2022 series took place from April – June 2022 with five sessions focused on accessibility in healthcare.
 - The Faculty's Equity Advocacy and Allyship Program, launched in fall 2021, is currently in its second offering. This program is focused on building a culture of critical reflection and allyship and creating leaders who can proactively support and advocate for equity, inclusivity, and reconciliation.

- In a unique summer work experience, twelve undergraduate students were hired to assist in operationalizing the Faculty of Science 2020-2025 Strategic Plan. Students created a series of projects with a special emphasis on equity, diversity, anti-racism, and inclusion initiatives.
- McMaster Continuing Education's Intercultural Competency program focuses on the need to develop intercultural awareness, knowledge, skills and attitudes in diverse settings and organizations.
- McMaster's Faculty of Engineering is continuing its focus on equity, diversity, and inclusion by providing programming and scholarships for equity deserving groups through initiatives like the Indigenous and Black Engineering/Technology (IBET) fellowships program and the National Society of Black Engineers (NSBE) scholarships.

Community building to develop attitudes, knowledge and skills to foster positive interpersonal and intergroup relations

- McMaster's inaugural Day of Giving raised more than \$2.8 million and engaged 1,220 members of the university and alumni community. This one-day, university-wide fundraising campaign focused on supporting Black student excellence, Indigenous priorities and equity-deserving communities at McMaster.
- Since 2018, the McMaster Museum of Art has undertaken an internal decolonial, de-centering anti-racist strategy. On a regular basis, staff meet to review literature and video content, and/or participate in facilitated cross-cultural/cultural sensitivity training sessions.
- As part of continuing efforts to monitor progress toward inclusive excellence, McMaster conducted an Employment Equity Census, which provides a snapshot of the composition of McMaster's workforce to enable the planning and implementation of evidence-based employment equity strategies. Approximately 250 Employment Equity Facilitators have completed training and are serving or consulting on various search committees as process consultants.

- Learning in Colour, developed by two McMaster School of Social Work PhD students, launched as a digital learning platform dedicated to creating safe and inclusive learning spaces informed by the perspectives and experiences of Black, Indigenous, and racialized students. The focus of Learning in Colour is to help support and empower students of colour with tools to work through and navigate racial trauma, and consolidate information, recommendations, and resources for all community members.
- The Black Student Success Centre launched virtually in September 2021. After completing renovations in the Peter George Centre for Living and Learning (PGCLL), the centre physically opened its doors to students and community members in February 2022.

Promote diversity by engaging a campus community that reflects local and national demographic diversity

- McMaster's Access Strategy provides academically qualified students from equity-deserving communities in Hamilton and the surrounding area access to university education at the undergraduate level. As part of the Access Strategy and in collaboration with Child Welfare Political Action Committee Canada, the Registrar's Office/Enrolment Services implemented the Youth in Extended Society Care Tuition Bursary to eliminate tuition fees for current and former foster children who are working toward an undergraduate or graduate degree. Overall, the Registrar's Office awards more than \$13 million a year in institutional aid and assists more than 13,000 students with their OSAP.
- McMaster undertook the Black Excellence Faculty Cohort Hiring Initiative over the last year, which saw 12 exceptional Black scholars hired across all six Faculties. The initiative accelerates McMaster's efforts to significantly increase the number of Black faculty members who will contribute to the advancement of Black academic excellence across the university.

- In recognition of McMaster's work and focus on employment equity, the university was named one of Canada's Best Diversity Employers in 2022. For the seventh year in a row, McMaster was also named one of Hamilton-Niagara's top employers. With approximately 14,000 faculty and staff, McMaster is one of the largest employers in the Greater Hamilton Area.
- McMaster revised its faculty hiring policy, procedures, and companion handbook to support Faculties in attracting the most diverse talent pool and achieving the most equitable, inclusive and meritocratic faculty hiring practices and decisions. As of spring 2022, more than 550 participants in academic recruitment and selection committees have completed training.
- Two departments within the Faculty of Humanities are now offering bursaries for incoming and current Black undergraduate students. The two bursaries in the departments of History and Communication Studies & Multimedia aim to support improving the experience of Black students.
- The Faculty of Social Sciences has established a general bursary for Black undergraduate students and has also named its inaugural professorship in equity, diversity, inclusion and transformation. The role will be accountable for maintaining an active research program, providing leadership in educational activities, and collaborating with communities internal and external to McMaster to enhance equity, diversity, inclusion and Indigenous strategies.



2 PRIORITY 2: Teaching and Learning

Further advance and support innovation in teaching and learning, within and beyond the classroom, and across disciplines and Faculties, to elevate teaching as a professional discipline and equip our students with the knowledge and skills needed to make a transformative impact on our world.



Ninety-five per cent of students participated in at least one course with experiential learning components upon graduation in 2019 from undergraduate programs.

Engage in partnered and interdisciplinary learning, exemplifying an environment that is inclusive of diverse perspectives across disciplines and embracing global insights to explore beyond traditional disciplinary boundaries

- McMaster's Teaching and Learning Strategy, Partnered in Teaching and Learning, has:
 - Established annual grants aimed at encouraging innovations in teaching and learning and improving student experiences and outcomes.
 - Interviewed faculty members about their experiences in developing interdisciplinary programs or teaching in interdisciplinary contexts to identify barriers, enabling factors and recommendations.
 - Appointed a new Vice-Provost Teaching and Learning to support the implementation of the Teaching and Learning Strategy and the enhancement of the quality of teaching, both within and beyond instructional spaces.
- The School of Rehabilitation Science has partnered with the Faculty of Humanities to develop a new undergraduate interdisciplinary degree. The Bachelor of Health Science (BHSc) integrated Rehabilitation and Humanities program will be the first degree of its kind to focus on the restoration, maintenance, and improvement of health through rehabilitation alongside deep engagement with what it means to be human.

Over **3,600** co-op and internship placements for McMaster undergraduate students annually

- McMaster's Continuing Education (MCE) continues to place an emphasis on lifelong learning and excellence through partnered and interdisciplinary education opportunities:
 - The MCE Learning Continuum hosted three free talks offered by experts from McMaster Institutes and Faculties on topics including: the use of narrative arts and community engagement, offered in collaboration with the Centre for Community Engaged Narrative Arts (CEENA) and the Faculty of the Humanities; climate change, offered in partnership with McMaster's Centre for Climate Change; and the excessive cost of housing in Canada, offered in collaboration with the Canadian Housing Evidence Collaborative (CHEC) and the Faculty of Social Sciences.
 - MCE participated in a microcredentials pilot with the National Institutes in Health Informatics with funding from eCampus Ontario. MCE also co-hosted a microcredentials forum with Mohawk College and the City of Hamilton stakeholders in fall 2021.
 - MCE continues to offer the free, open access online program Caregiving Essentials to Canadian Caregivers and Family Members. Between fall 2021 and winter 2022, 606 individuals enrolled in the course. Since its launch in 2018, the course has served 1,425 learners.
- Ninety-five per cent of students participated in at least one course with experiential learning components upon graduation in 2019 from undergraduate programs (Strategic Mandate Agreement Metric 7), and growth in experiential learning opportunities has enabled McMaster to leverage \$200,000 in wage subsidies and employer funding in the past year to support over 450 student placements across all Faculties.

Active and flexible learning spaces to ensure that our physical and virtual spaces support learning outcomes and ensure accessibility and inclusivity to meet the needs of our communities.

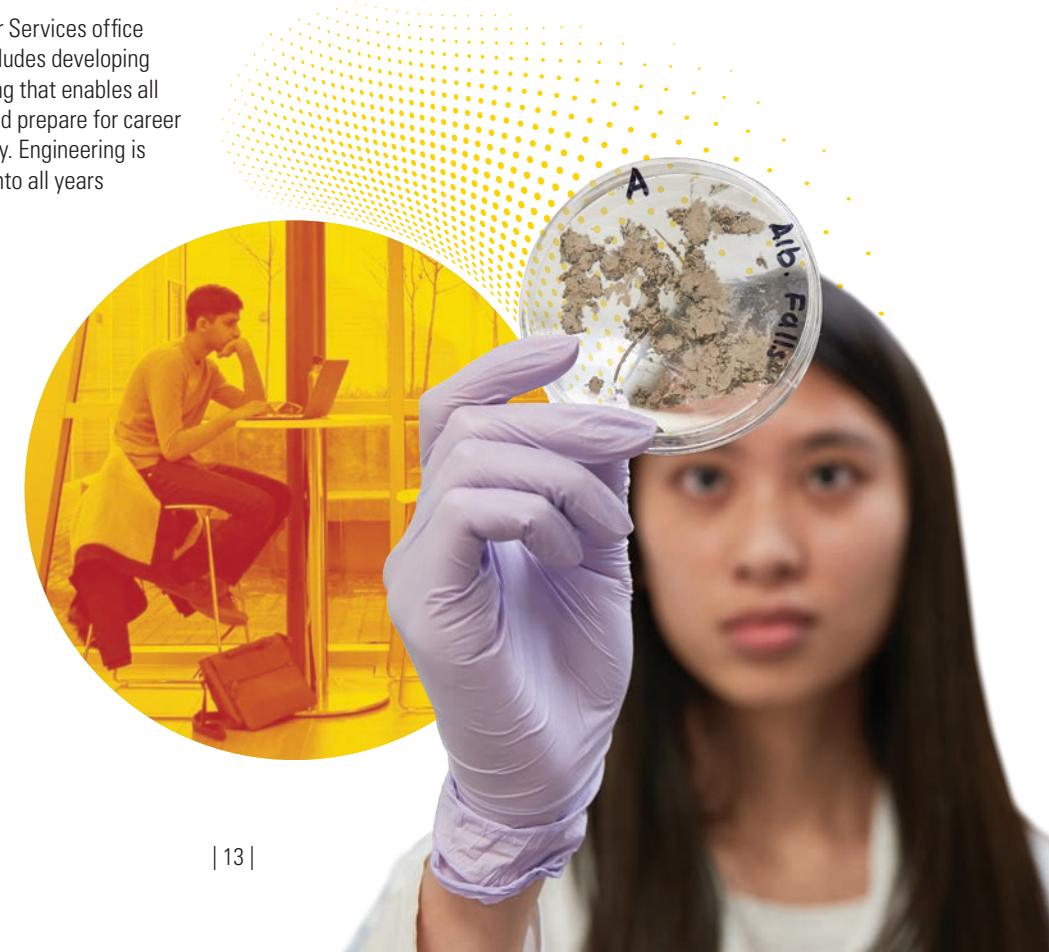


- The DeGroote School of Business is transforming its Bachelor of Commerce program with an emphasis on problem-based discovery, interdisciplinary study, and interaction with business leaders that will prepare its graduates to succeed in the workplace for years to come. Starting in 2021/22, new courses were introduced, each one designed to offer unique experiential education, collaboration and applied problem-solving opportunities.
- In 2021 the Department of Chemistry & Chemical Biology launched the first Honours Sustainable Chemistry program to be offered at a Canadian university. The program, which aims to prepare students to become leaders in a zero-carbon economy, adopted the 12 principles of green chemistry. The Hamilton Industrial Environmental Association (HIEA) established the endowed HIEA Scholarship in Sustainable Chemistry to be awarded to undergraduate students in their second to fourth years in the program.
- The Faculties of Science, Engineering and Health Sciences collaborated to open the Centre for Advanced Light Microscopy. The centre supports high quality cross disciplinary research and trains future generations of microscopists.
- Fifty-two per cent of students were enrolled in McMaster's program areas of strength and focus. McMaster had the highest proportion amongst the G6, which had an average of 37 per cent in the SMA 2019-20 reporting year (Strategic Mandate Agreement Metric 2).

Development of holistic, transformational and personalized student experiences intended to promote personal growth, support health and well-being, and enhance a sense of belonging and connectedness in our community

- A key component to experiential learning is the inclusion of reflection. McMaster researchers leveraged the SUSTAIN courses to develop the Reflective Learning Framework to guide and assess student learning through experience. The framework has been adopted by educators at McMaster and other institutions of higher education.
- McMaster's Academic Sustainability Programs Office launched the Student Sustainability Ambassador Program (SSAP), which is a co-curricular program and community hub for sustainability-minded undergraduate and graduate students and student clubs. SSAP fosters student leadership in sustainability through collaborative and active learning. SSAP has engaged over 150 students representing every Faculty and the Arts & Science program.
- With funding from the MacPherson Institute, the Global Health program has developed an experiential simulation as an instructional strategy to be used in the Global Health Research Methods Course. Additionally, funding is enabling the Global Health program to explore the use of microcredentials as an approach to consolidate, evaluate and credit transferrable skills that students gain throughout their time in the program and provide motivation and confidence as they make the transition into the workforce.

- McMaster continues to place an emphasis on mental health support with several initiatives and programs:
 - Student Case Management launched the Student Urgent Response Team (SURT) program to increase support for students with urgent mental health needs. SURT was established in consultation with the McMaster community to address concerns related to security staff responding to mental health calls on campus. SURT functions as one of McMaster's intake offices under the Sexual Violence Policy.
 - The Student Wellness Centre has played a pivotal role in supporting McMaster students through the COVID-19 pandemic as student needs continue to evolve. To meet the increasing mental health needs of the student community, the Centre is focusing on resources that support the health and well-being of the student community as we move forward from the COVID-19 pandemic.
- Nine McMaster students were nominated or won awards for the contributions they made through their work placements this year. In addition, McMaster facilitates more than 3,600 co-op and internship placements for undergraduate students annually.
- The university's alumni program offers several career support and mentoring opportunities for students as they transition to life post-graduation and for young alumni in their first ten years after graduation, including an online mentoring platform, monthly drop-in events for graduating students and young alumni, and the Unconventional Podcast, which features alumni stories of their journeys after graduation.
- The Faculty of Engineering's Co-op and Career Services office has a new focus on career education. This includes developing a framework for career education programming that enables all students to engage in experiential learning and prepare for career decision-making proactively and knowledgeably. Engineering is also working to embed experiential learning into all years of the curriculum.
- McMaster's Student Success Centre has continued to invest in career services to better serve students as they transition to the workforce:
 - The Student Success Centre developed and implemented a series of online career planning, job search, and further education courses that combine synchronous and asynchronous career education and counselling support.
 - The Student Success Centre's Career Treks program provides short-term opportunities to help students gain hands-on experience and mentorship from a local employer. During the COVID-19 pandemic, the program moved online and facilitated 453 virtual student placements. The Centre also developed new partnerships focused on providing virtual opportunities, including hackathons (Hackworks), conferences and challenges (Mindsumo).
- In 2021, 11 postdoctoral fellows participated in the made-at-McMaster McCall McBain Postdoctoral Fellows Teaching & Leadership Program. Since launching in 2019, 34 postdoctoral fellows have participated in the year-long training and development program.
- McMaster prepares graduates for meaningful lives and careers, demonstrated with 82 per cent of fall 2013 full-time, first-year undergraduate students graduating from McMaster within seven years (Strategic Mandate Agreement Metric 3) and median employment earnings of \$56,631 two years after graduation in 2016 (source: Education and Labour Market Longitudinal Platform, Statistics Canada; Strategic Mandate Agreement Metric 9).



The Boat Project/everythingwillbefine, created by Ernest Daetwyler, is located on the lawn of Burke Science Building.



Inclusive and scholarly teaching that values creativity, risk taking and originality as a foundational aspect of the McMaster educational experience

- The Student Success Centre developed a centralized web page and exam readiness campaign to support students as they transitioned back to in-person exams. The initiative resulted in more than 4,700 page views, 521 one-on-one student conversations with peers and staff about exam readiness, and 50,000 combined views on Instagram.
- In 2021, McMaster established an institution-wide training program for teaching assistants (TAs) and research assistants, providing training in anti-oppression and TA rights and responsibilities with additional elective workshops available. As of Spring 2022, more than 2,900 participants across the university have completed the training.
- The MacPherson Institute has introduced new supports for instructors for assessment:
 - During the COVID-19 pandemic there was an increased need for alternative means of assessment. The MacPherson Institute outlined a variety of options for instructors including student reflective journals, facilitated online discussions and more.
 - Over the past year, additional resources have been developed including the Assessment Development Workshop, which offers instructors support in the development of assessments.

Active and flexible learning spaces to ensure that our physical and virtual spaces support learning outcomes and ensure accessibility and inclusivity to meet the needs of our community

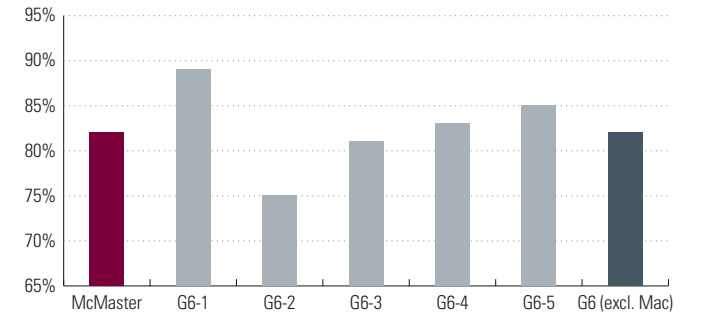
- Since the COVID-19 pandemic began, the Faculty of Health Sciences Continuing Professional Development Office has co-designed, developed, and delivered 21 unique continuing medical education activities and offered hundreds of opportunities for faculty to learn online, with more than 1,000 attending digital events. The office has also established a free, unrestricted online access library with hundreds of videos, a new podcast (MacPFD Spark) and a selection of online articles.
- Working collaboratively with Toronto Metropolitan University, McMaster increased enrolment in its Midwifery program by absorbing additional students who were previously enrolled in Laurentian University's midwifery education program, which was discontinued in 2021. This helped sustain the province's goal of training 90 new midwives per year.
- The DeGroot School of Business announced the addition of a tenth floor on the McLean Centre for Collaborative Discovery to provide new space for PhD students, faculty, and visiting scholars. The space will enable undergraduate students to interact with graduate students, faculty members, post-doctoral fellows and visiting scholars.
- As part of the Virtual Learning Strategy announced by the Ontario government, McMaster received over \$2.5 million in March 2021 to fund 28 projects. The funding is supporting key priority areas for creating digital content, providing skills to faculty and students, and identifying educational technologies to support online course

INSTITUTIONAL PRIORITIES AND STRATEGIC GOALS

and program offerings. Some of the projects include lightboard technology for teaching and learning, alternative assessment toolkits, interactive notebooks on software design, as well as the creation of several new online experiential learning courses. A digital learning strategy for teaching methods and technologies to optimize learning is planned for launch by fall 2022.

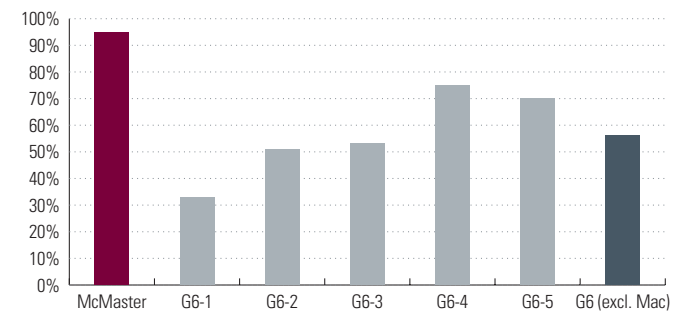
- McMaster programs provide high-quality preparation for future careers. In the 2019 Ontario University Graduate Survey of McMaster's 2017 graduates, 92.7 per cent of those in full-time employment indicated they were in employment that was closely related or somewhat related to the skills they studied at university (source: Ministry of Colleges and Universities' 2019 Ontario University Graduate Survey; Strategic Mandate Agreement Metric 1).

Graduation Rate - 2019/20



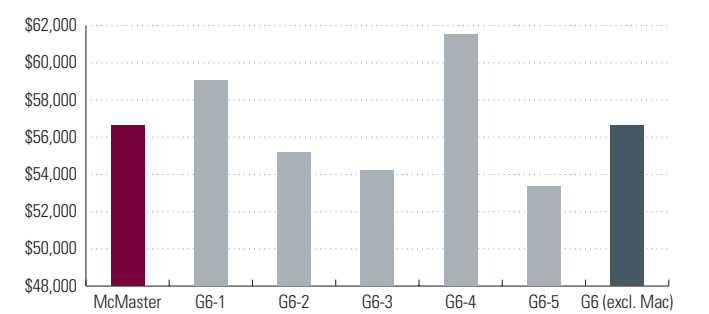
Note 1: Data sourced from University Statistical Enrolment Report (USER) – Enrolment and Degrees Awarded data collections.
 Note 2: Proportion of all new, full-time, year one university students of undergraduate (bachelor or first professional degree) programs who commenced their study in a given fall term and graduated from the same institution within seven years (e.g., 2019-20 data represents the percentage of 2012 entering cohort graduated as of 2019 calendar year).

Experiential Learning - 2019/20



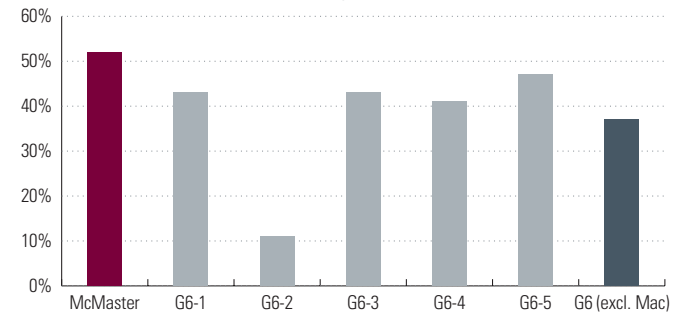
Note 1: Number and proportion of graduates in undergraduate programs, who participated in at least one course with required Experiential Learning (EL) component(s).

Graduate Employment Earnings - 2018/19



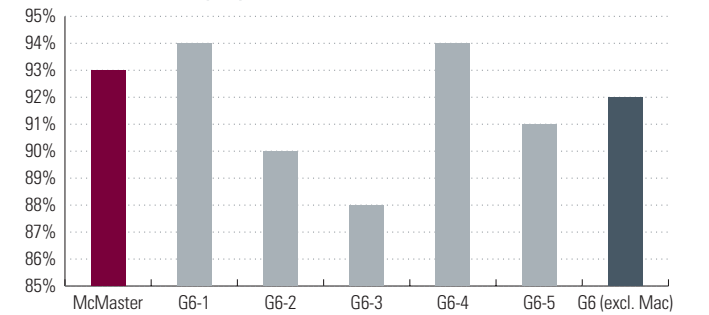
Note 1: Data sourced from Education and Labour Market Longitudinal Platform (ELMLP), Statistics Canada.
 Note 2: Median employment earnings of university graduates, two years after graduation (e.g., 2018-19 data represents earnings of 2016 graduates in 2018 calendar year).

Institutional Strength/Focus - 2019/20



Note 1: Data sourced from University Statistical Enrolment Report (USER), enrolment data collection.
 Note 2: Proportion of enrolment in institution's program area(s) of strength.

Graduate Employment Rate in a Related Field - 2019/20



Note 1: Data sourced from Ministry of Colleges and Universities Ontario University Graduate Survey (OUGS).
 Note 2: Proportion of graduates of undergraduate (bachelor or first professional degree) programs employed full-time who consider their jobs either "closely" or "somewhat" related to the skills they developed in their university program, two years after graduation. (e.g., 2019-20 data represents employment rate of 2017 graduates in 2019 calendar year).

3 PRIORITY 3: Research and Scholarship

Be the go-to place for world-class researchers and collaborators who share our values and commitment to working together across disciplines, sectors, and borders to develop knowledge, tackle global issues and advance human understanding.



McMaster researchers continue to lead critical research that promotes the health and well-being of our local, national, and global communities.



Global leadership and impact that continues to redefine how McMaster engages in research and scholarship, while exploring human knowledge and understanding

- The strength of McMaster’s research enterprise is again evident in the 2021 rankings of the world’s most highly cited researchers from Clarivate Analytics. Twenty McMaster scientists, including 18 from the Faculty of Health Sciences, are among the top one per cent by citations worldwide.
- Canada’s Global Nexus for Pandemics and Biological Threats has been at the forefront of research and innovation. Hosted at McMaster, it is a hub for international networks of experts and partners who can act quickly in the face of serious and emerging threats to global well-being:
 - Since the beginning of the COVID-19 pandemic, our federal, provincial, regional, not-for-profit and industry partners have invested some \$90 million to support more than 250 COVID-19 related research projects across campus.
 - The National Sanitarium Association invested \$1 million to support an interdisciplinary team of researchers at McMaster and SickKids to develop a bioengineered lung model that can respond better to viruses and drug treatments, giving scientists a tool to advance research in lung conditions.
 - The Government of Canada, through its COVID-19 Immunity Task Force (CITF), invested \$5 million to support Canada’s largest long-term care study designed to determine how well vaccination works in residents of long-term care homes and its impact on their physical, mental, and social health.
 - Researchers have developed a McMaster-made inhaled vaccine – built on decades of early research – that can provide broad, long-lasting protection against the original strain of SARS-CoV-2 and variants of concern. The vaccine is nearing the end of Phase 1 clinical trials, with Phase 2 to follow.

- The Public Health Agency of Canada invested nearly \$3 million in a knowledge mobilization plan to support the needs of Canadian healthcare professionals impacted by the COVID-19 pandemic by creating new prevention and intervention strategies.
- Health Canada granted \$1.5 million to McMaster researchers who will develop a formal palliative care program for long-term care homes in Canada that aims to address the major deficiencies of the existing care system witnessed during the COVID-19 pandemic.
- A team of researchers at McMaster, Simon Fraser University, and several other universities across the country, have received \$2.5 million in funding from the Natural Sciences and Engineering Research Council (NSERC) to establish the Canadian Network for Modelling Infectious Disease (CANMOD), a national network of experts dedicated to increasing the country’s ability to track the spread of pathogens and inform public health decisions.
- A grant from the Public Health Agency of Canada that supports the McMaster Platelet Immunology Lab as Canada’s centre for combatting vaccine-related blood clots which, have been confirmed to cause vaccine-induced immune thrombotic thrombocytopenia (VITT).

\$90 million
invested in McMaster for more
than 250 COVID-19 related research
projects across campus

McMaster is one of two global suppliers of I-125, a medical isotope used to treat prostate and other forms of cancer. The McMaster Nuclear Reactor typically produces and ships enough I-125 to provide material for about 70,000 treatments per year.



- In addition to the McMaster Nuclear Reactor (MNR), McMaster houses a unique integrated suite of nuclear-related research facilities and world-leading experts, enabling the university to make discoveries in medicine, clean energy, and nuclear safety:
 - McMaster and Laurentis Energy Partners continue to collaborate on the Clean Energy-Materials Sorting and Recycling Research Initiative, developing new methods and technologies to optimize the sorting and recycling process of low-level waste materials.
 - McMaster and the Technical University of Munich (TUM) signed a strategic partnership agreement to advance nuclear research and education at both institutions in key areas such as radiopharmaceuticals for cancer detection and treatment, materials research, clean energy, nuclear safety and policy development.
 - NSERC and the CANDU Owner's Group invested nearly \$1.5 million in McMaster's nuclear experts to advance the development and validation of methods for low dose radiation protection.
 - McMaster, Ultra Safe Nuclear Corporation and Global First Power are partnering to advance research in the area of small modular reactors (SMRs) – a clean energy technology that will play an essential role in Canada's Net Zero by 2050 goal.
 - An investment of more than \$1 million from NSERC and the University Network of Excellence in Nuclear Engineering (UNENE) will generate new experimental data and models needed for existing CANDU reactors as well as the emerging opportunities related to SMRs, addressing safety analysis predictions and uncertainty assessments.
 - McMaster and Westinghouse Electric Canada Inc. (WEC) are exploring collaborations in support of WEC's eVinci SMR development and deployment plan. The partnership will help shape the next generation of highly qualified and trained professionals in SMR research, development and deployment.

- McMaster is one of two global suppliers of I-125, a medical isotope used to treat prostate and other forms of cancer. The McMaster Nuclear Reactor typically produces and ships enough I-125 to provide material for about 70,000 treatments per year. McMaster also develops new medical isotope-based drugs and radiopharmaceuticals.
- McMaster formed a partnership with Promation to bring a new technology for producing lutetium-177 – an increasingly sought-after medical isotope used in cancer therapeutics – to the marketplace. Deployment of McMaster's lutetium-177 separation technology will enable expansion and diversification of the supply chain for this essential medical isotope.
- The McMaster Intense Positron Beam Facility (MIPBF) is a collaborative project that involves several McMaster researchers, MNR staff members, numerous external research partners and collaborators, as well as funding agencies including the Canadian Foundation for Innovation and the Ontario Ministry of Research & Innovation. When complete, the MIPBF will be one of only four reactor-based positron production facilities in the world and will give Canadian researchers access to positron diagnostic techniques used to conduct research and laboratory experiments, techniques that were previously available only in Europe.
- McMaster researchers continue to tackle issues on aging and how the increasing age of our population impacts individuals, families, communities, and health and social care systems:
 - CIHR awarded an interdisciplinary team \$1 million to investigate whether declines in muscle mass directly contribute to declining physical activity and mobility.
 - The Weston Family Foundation awarded \$12 million to the McMaster-based Canadian Longitudinal Study on Aging (CLSA), for a new initiative that will shed light on factors that influence brain health as we age, including lifestyle and the human microbiome. The study is critical to the future development of screening and prevention strategies that promote brain health for aging Canadians.

INSTITUTIONAL PRIORITIES AND STRATEGIC GOALS

- A \$2.4-million community-based research project to promote health, independence and mobility among older adults, received support from the Public Health Agency of Canada Healthy Canadians and Communities Fund. The EMBOLDEN program will bring together older adults living in neighbourhoods that are experiencing health inequities for weekly interactive group sessions, which will include physical activity, healthy eating, support with system navigation and an opportunity to socialize.
- A study to determine the factors affecting transitions of older adults from low-income housing to long-term care received more than \$1.1 million from CIHR. Researchers will create a tool to assist health system managers identify who is most likely to make the move and provide relevant neighbourhood data.
- In October 2021, researchers in the Faculty of Social Sciences officially launched the Initiative for Advanced Research on Mental Health and Society (ARMS), whose mission is to raise awareness of the social dimensions of mental health by highlighting the important research taking place in the social sciences.
- In 2020-2021, researchers from across McMaster were recognized for their contributions to Canada and their impact on the global stage. Awards included an Order of Canada, election to the Royal Society of Canada's College of New Scholars, Artists and Scientists, a Canada's Most Powerful Women: Top 100 Award, the John Charles Polyani Prize in Economics, the John L. Synge Award in Mathematics and the Alice Wilson Award from the Royal Society of Canada. Five faculty have joined the Canadian Academy of Health Sciences as fellows and three faculty were elected as fellows of the Royal Society of Canada.
- McMaster researchers continue to lead critical research that promotes the health and well-being of our local, national and global communities:
 - Ontario Health invested more than \$5.7 million in the Program on Evidence-Based Care (PEBC), headquartered at McMaster. PEBC produces guidelines and resources in partnership with clinical experts in all major cancer disease sites and across all clinical programs and modalities to drive improvement in the cancer care system.
 - The Canadian Institutes of Health Research (CIHR) granted McMaster researchers \$4.6 million to study whether an anticoagulant reduces the risk of stroke and other adverse outcomes in patients who have a heart arrhythmia (perioperative atrial fibrillation) after noncardiac surgery. The trial has the potential to inform and improve clinical practice.
 - A \$5.1-million clinical study, supported by CIHR, will test whether a potent anti-inflammatory drug reduces the risk of heart failure and ischemic cardiovascular events, to identify new methods of treating heart failure, secondary to ischemic heart disease.
 - McMaster researchers received more than \$2.7 million from CIHR for a clinical trial investigating whether the use of two different medicines can improve outcomes of patients with heart attacks. The outcome could lead to low-cost therapies for the treatment of heart diseases and save many lives.
- A \$1.8-million grant from CIHR is allowing researchers to conduct a randomized trial of partial breast irradiation, building on an earlier study that found a shorter course of higher dose radiation had promising effects for women with early-stage breast cancer who undergo breast conserving surgery.
- McMaster continues to promote collaborative research and leadership in the areas of health and medicine:
 - The Department of Pediatrics launched its inaugural Collaborative Research Excellence (CoRE) Builder Team Grants competition. Annually, two projects that improve health outcomes are awarded \$100,000 each.
 - In 2022, several international university ranking systems continued to place McMaster among the top 50 universities globally for health and medicine subjects. The Times Higher Education World University Rankings placed McMaster University 19th in the world for clinical, pre-clinical and health subjects. The QS World University Rankings ranked McMaster 21st in the world for nursing and 37th for medicine, and the U.S. News & World Report of Best Global Universities placed McMaster 37th for clinical medicine. The 2022 Shanghai Global Ranking of Academic Subjects placed McMaster 47th internationally for clinical medicine.
 - A \$6.7-million investment from CIHR has created POPCORN (Pediatric Outcome Improvement through Coordination of Research Networks) that will help McMaster and 15 other pediatric research sites across Canada join forces to investigate the impacts of COVID-19 and lay the foundation to study other conditions in the future. In partnership with CHU Saint-Justine, in Montreal, the infrastructure will enable a "big picture" approach to tackling child health issues in Canada through multi-centre recruitment of patients and data-sharing.
 - McMaster is ranked first in Canada and sixth worldwide for impact on health and well-being in an international ranking of more than 1,400 universities, a testament to McMaster's established record for advancing better health solutions, care, equity and growth.
- In the SMA 2019-20 reporting year, McMaster's proportion of Ontario funding from federal research granting agencies was 10.3 per cent (source: Tri-Agency Institutional Programs Secretariat; Strategic Mandate Agreement Metric 6), and McMaster attracted approximately \$191 million from private sector and not-for-profit sources (source: Council of Ontario Finance Officers; Strategic Mandate Agreement Metric 8).



More than \$2 million from Eaton and Mitacs will help accelerate the development of more powerful and affordable electrified vehicles, all of which will be critical in helping lower emissions, reducing fossil fuel usage and helping mitigate climate change.



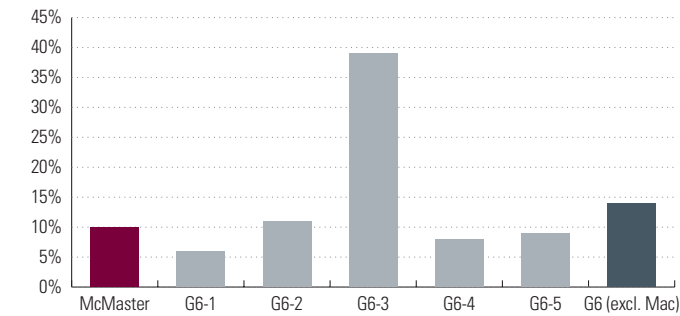
Be a driver of economic prosperity and social innovation

- Launched this year, the McMaster Seed Fund is an early-stage investment vehicle designed to foster innovative start-up companies coming out of McMaster research with the potential for significant economic and/or societal impact in the Hamilton region and beyond. The McMaster Seed Fund will expand McMaster's start-up network and lead to the growing number of innovative companies in the region. In its first round of investment, the fund awarded \$735,000 to support two McMaster start-ups – Synmedics and Insight Medbotics. The Seed Fund was designed to foster McMaster's culture of commercialization and social innovation across the university in an effort to positively impact society. The next round of investments is tentatively set for September 2022.
- Over its seven-year history, The Forge has incubated 269 companies that have gone on to raise over \$42M in funding. Since it opened its doors in 2015, The Forge has been a driver in engaging with students to foster a culture of entrepreneurship and a strong supporter to accelerate the growth of early stage start-ups. Through its workshops and in collaboration with ecosystem partners, the Forge reached 7080 students in the past year alone. Last year, The Forge provided support to 45 start-ups founded by McMaster students, alumni, and entrepreneurs across Southwestern Ontario. This support has enabled the companies to collectively raise \$2.1M in financing, build strong intellectual property portfolios (18 patents total), grow sales globally — selling products and services in all continents and generating \$7.2M in annual revenues, and created more than 224 jobs and volunteer opportunities in our region.
- The McMaster Industry Liaison Office (MILO) bridges the gap from research to commercial application and creates positive economic and social impact in the region:

- McMaster was awarded six NSERC Alliance Missions grants totalling more than \$3.7 million; nearly one-fifth of the national funding. It's allowing an interdisciplinary team of researchers – and industry partner Zentek – to develop a rapid saliva-based test for SARS-CoV-2 and other infectious diseases.
- For the SMA 2019-20 reporting year, MILO recorded 88 invention disclosures (source: AUTM; Strategic Mandate Agreement Metric 5).
- McMaster researchers continue to make innovations and advancements related to equity, diversity and inclusion:
 - The Canadian Housing Evidence Network (CHEC), headquartered at McMaster, received \$1.45 million from Canada Mortgage and Housing Corporation to build a digital Affordable Housing Supply Monitor that will organize and analyze data on rental housing in an accessible manner.
 - McMaster researchers were awarded \$9 million from Canada's New Frontiers in Research Fund to investigate how workplaces can be redesigned to include persons with disabilities, including social aspects of employment, such as recruitment and advancement. The social innovation laboratory – Inclusive Design for Employment Access (IDEA) – will build up employer capacity in this area.
 - A \$4-million investment by Accerta – an independent intake organization funded by the Government of Ontario – is advancing the work of autism researchers in their efforts to support children and youth on the autism spectrum and their families access programs and services to meet their specific needs.
 - McMaster researchers received \$1.4 million from CIHR to fund a study on the role of midwifery services in improving equitable access to sexual and reproductive healthcare in Canada.

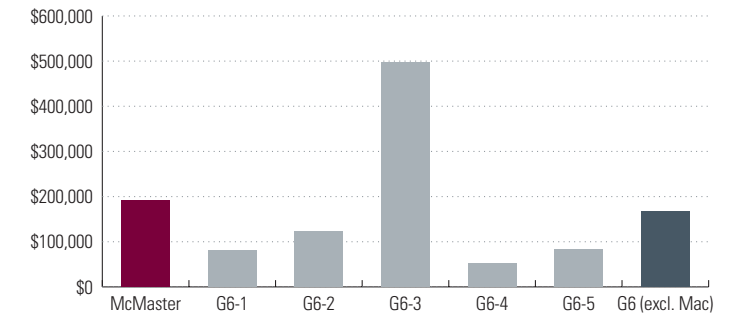
INSTITUTIONAL PRIORITIES AND STRATEGIC GOALS

Research Funding and Capacity: Federal Tri-Agency Funding Secured - 2019/20



Note 1: Data sourced from Research Support Program, The Tri-Agency Institutional Programs Secretariat (TIPS)
 Note 2: Amount and funding received by McMaster from federal research granting agencies and proportion of total Tri-Agency funding received by Ontario Universities.

Research Revenue Attracted from Private Sector Sources - 2019/20



Note 1: Data sourced from Council of Ontario Finance Officers (COFO).
 Note 2: Total research revenue attracted from private sector and not-for-profit sources.
 Note 3: This metric is calculated based on the rolling average of the three most recent years.

- The Public Health Agency of Canada is supporting a \$1.7-million community-based project that targets unhealthy eating and physical inactivity by nurturing a love of the outdoors, gardening, and hiking among new immigrant families.
- The McMaster Institute for Health Equity held a health equity seminar series presenting timely health equity focused research on a diverse range of topics relevant to researchers, students, staff and community members across a wide array of disciplines and backgrounds.
- Between September 2021 to August 2022, undergraduate and graduate students who participated in the Office of Community Engagement's co-curricular Research Shop program contributed approximately 5,760 student volunteer hours, undertaking 18 research projects developed with community partners.

Collaborations and partnerships that expand our international outreach, influence and impact through research partnerships, collaborations and exchanges

- McMaster's Global Health program organized the 11th annual Global Health International Learning Symposium together with consortium partners Maastricht University (The Netherlands), Manipal Academy of Higher Education (India), Universidad del Rosario (Colombia) and Thammasat University (Thailand). This annual symposium brings together over 300 students, faculty and staff to discuss and share research on pressing global health topics.
- Researchers in the Faculty of Science have created Canada's first carbon map in partnership with the World Wildlife Federation Canada to help guide the non-profit's conservation efforts across the country to ensure massive carbon reservoirs are not disturbed. The map was unveiled during the COP26 United Nations Climate Change Conference.
- Cubic Corporation has partnered with McMaster, investing more than \$2 million to create the Centre of Excellence of Artificial Intelligence and Smart Mobility. The long-term project will allow

researchers at the McMaster Automotive Resource Centre to design the future of inclusive mobility, address complex issues facing transportation systems and train the next generation by bringing diversity to product development and innovation.

- McMaster received funding from eCampus Ontario to explore the applicability of verifiable credentials and decentralized identifiers in the Ontario postsecondary education sector. This is part of the university's continued participation in the Digital Credentials Consortium – a partnership of 12 international universities working together to build a shared infrastructure for digital academic credentials.
- More than \$2 million from Eaton and Mitacs will help accelerate the development of more powerful and affordable electrified vehicles (EVs), including hybrid, battery, plug-in and fuel cell technologies, all of which will be critical in helping lower emissions, reduce fossil fuel usage and help mitigate climate change. The project will provide graduate students and postdocs with a unique opportunity to gain hands-on experience in the field.
- Mitacs and ArcelorMittal Dofasco are funding research at McMaster to determine the mechanism and kinetics of melting carbon-free direct reduced iron made using hydrogen reduction to eliminate CO2 from steel production, and its impact on Electric Arc Furnace steelmaking process.



4 PRIORITY 4: Engaging Local, National, Indigenous and Global Communities

Further develop and expand our network of longstanding and respectful partnerships with communities, partners, research collaborators, and supporters, locally, nationally and globally for the benefit of all.



Indigenous Strategic Directions will act as a guide for the university with four main strategic goals of research, education, student experience as well as leadership and governance.

Principles of community engagement that serve as the foundation of community-campus partnerships and connections between the university and the communities around it

- The Office of Community Engagement (OCE) has formalized a community partnership with the Hamilton Anti-Racism Resource Centre (HARRC) to address systemic racism in the city of Hamilton. OCE will work to build partnerships between HARRC and various McMaster resources, support community-engaged HARRC-driven research initiatives and connect HARRC to additional community partners in Hamilton.
- OCE, the Sherman Centre for Digital Scholarship and Hamilton's Centre for Civic Inclusion are working to develop and promote an online hate reporting platform in Hamilton. Additionally, OCE supported the Disability Justice Network of Ontario (DJNO) with grant submissions for the Ontario Anti-Racism Anti-Hate Grant and the City Enrichment Fund grant in Hamilton.
- McMaster Continuing Education (MCE) has initiated several new external partnerships that focus on engaging local, national, Indigenous and global communities:
 - A recently secured partnership with Health Canada will enable 60 Indigenous nurses in Saskatchewan to participate in specialized training in case management.
 - A partnership with Sepsis Canada Network and the LIFTING Network includes two online courses to support learning in the area of sepsis research.
 - In partnership with the Canadian Housing Evidence Collaborative (CHEC-CCRL) and the Faculty of Social Sciences, MCE now offers a program called Canadian Housing, in which participants learn about the social, economic, and political contexts in which housing is delivered locally and nationally.
- Through an MCE-Service Canada agreement, federal government employees are participants in an online course in design thinking. The course enables participants to assess problems and challenges, discover and use relevant data, develop design solutions, and construct prototypes for validation.
- McMaster's Athletics & Recreation department is working to establish the Hamilton Sports Consortium with leaders in local sports, focusing on supporting racialized community members in a sustained and positive way.
- The Community Research Platform (CRP) is a unique model of community-university research partnership that aims to develop and foster long term, sustainable programs of research. The CRP has helped to facilitate 18 community-engaged research projects between McMaster researchers, students and community partners, and 18 placements with community partners.
- During the COVID-19 pandemic, staff and students of the Michael G. DeGroote School of Medicine, the School of Nursing and other schools and departments, assisted with on-site vaccination clinics, as well as clinics within the community. Nursing students also participated in an extern program, working in local hospitals to help with the staff shortage and to gain experience in clinical settings.
- Over the last year, the McMaster Okanagan Committee (MOC) launched several long-term projects including the development of a campus-wide food strategy in collaboration with the Student Wellness Centre and Hospitality Services, and the implementation of the Bring Your Own Bottle initiative in collaboration with more than a dozen departments from across campus seeking to reduce single-use plastic water bottles on campus.
- To keep alumni connected with McMaster and build a sense of community, McMaster's Alumni Office produces Maroon Mail, a twice monthly electronic newsletter sent to 80,000 alumni. It features stories and profiles on McMaster's local, national and global community engagement initiatives.

MCE now offers a program called Canadian Housing, in which participants learn about the social, economic and political contexts in which housing is delivered locally and nationally.



Community engaged and globally connected educational offerings that develop our students as engaged and thoughtful global citizens

- The Academic Sustainability Programs Office facilitates interdisciplinary, student-led, community-based and experiential learning related to sustainability. The Sustainable Future Program consists of nine SUSTAIN courses on topics such as advocacy, intersectionality and the United Nations Sustainable Development Goals. Enrolment in these courses exceeded 2,000 seats in 2021-22 and continues to grow.
- The interdisciplinary Minor in Community Engagement trains students in best principles supporting respectful, sustained, mutually beneficial university-community collaboration with application in local, national and international arenas. Community-engaged learning is experiential and focused on creating positive change in communities. Students meet change leaders from the Hamilton community and beyond as they gain skills and experience in social justice, community organizing, project management, systems thinking, policy development and governance.
- The Faculty of Engineering's MacChangers program, a co-curricular experiential learning program, is focusing on four challenge areas in 2021-22: Clean and green, economic prosperity and growth, infrastructure and built environment, and healthy and safe cities. The challenge areas are in alignment with the Our Future Hamilton – Community Vision – the City's 25-year community vision document.
- In 2021, McMaster's Global Health program continued to support forcibly displaced scholars through active participation on McMaster's Committee on Students and Scholars in Crisis (CSSC), building on its earlier initiatives to support self-identified newcomer refugee students.
- MCE launched a new free online course in February 2021 called Infection Prevention and Control for Family Caregivers. This course has served 1,950 individuals looking for plain language, evidence-based information around infection and how to control it.

- In 2021, CityLAB Hamilton celebrated four years of successful partnership between students, faculty and City Staff. Since CityLAB's inception, 1,085 McMaster students and 25 faculty members have dedicated more than 20,000 hours and created over 65 projects, helping the City of Hamilton become even more vibrant, healthy and sustainable.
- McMaster plays a critically important role in the transformation of Hamilton with students comprising 9.1 per cent of the Hamilton population between the ages of 15-64 in the SMA 2019-20 reporting year (Strategic Mandate Agreement Metric 4).

Indigenous education and research strategy that recognizes the unique position of Indigenous peoples within our community and society

- Through a campus-wide collective effort with Indigenous communities, a new strategy has been developed by the Indigenous Education Council and McMaster Indigenous Research Institute. Indigenous Strategic Directions will act as a guide for the university with four main strategic goals of research, education, student experience as well as leadership and governance.
- The DeGroot School of Business Graduate Awards for Indigenous Learners aims to address and remove barriers, and support equitable access for Indigenous learners, with up to five awards offered each year. The scholarships were developed in partnership with the Indigenous Education Council and McMaster's Indigenous Student Services team, and cover the full cost of tuition, as well as additional related expenses up to a maximum of \$15,000 per academic year.
- Building on the long-standing Indigenous Studies Undergraduate Program, the Faculty of Social Sciences led the creation of an Indigenous Studies Department within Social Sciences, effective July 1, 2022. The new department provides for a greater integration of Indigenous research and teaching, advances the development of the discipline of Indigenous Studies and supports the eventual creation of a graduate program.

- MCE is an active member of the Ohneganos community which, among other goals, is dedicated to water education and research, as well as to supporting students from Six Nations Polytechnic's STEAM Academy. In March 2022, MCE participated in the STEAM AHEAD celebration held at McMaster to honour 13 students with certificates that recognize their environmental assessment work at Mohawk Lake.
- Indigenous Student Services partnered with Mohawk College and Six Nations Polytechnic to pilot pop-up study halls in the Six Nations of the Grand River. These study halls serve Indigenous students who live in the community and need a place to study off-campus, or need to access reliable internet for virtual classes. In 2021–2022, Indigenous Student Services completed targeted recruitment and outreach to Indigenous schools and communities to increase the number of Indigenous students at McMaster.

Engagement with the global community guided by principles of integrity, reciprocity, sustainability and transformation through course offerings, exchanges, collaborations and interactions

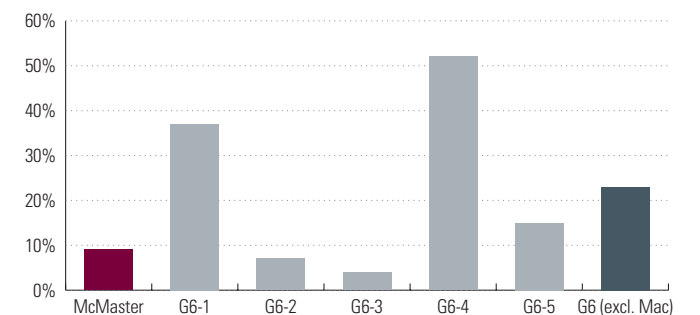
- McMaster's six Faculties, along with the Office of the Provost, have collectively pledged \$800,000 towards two new funds that will help displaced students and scholars at risk around the world, including in Afghanistan and Ukraine. The landmark initiative was led by McMaster's Committee on Students and Scholars in Crisis (CSSC), a committee comprised of faculty, staff, students, alumni and community members – all with experience of being forcibly displaced from their homes.
- The Student Success Centre's Global Experience program made global experiential learning more accessible to students by connecting them with safe and rewarding virtual opportunities when travel was not possible or advisable due to COVID-19. More than 70 students participated in virtual global opportunities through the program between May 2021 and April 2022.
- Student participation in the McMaster Exchange Program has tripled since 2010. A total of 134 students participated in the program during 2021-22. McMaster offers more than 100 opportunities with leading universities around the world, allowing students to gain a global perspective while earning credits abroad.
- Through Canada's Global Nexus for Pandemics and Biological Threats, McMaster University entered into promising new global partnerships to advance research and education in both life sciences and health sciences. McMaster has formed partnerships with Lund University, the University of Liverpool, and Germany's Center for Infection Research. Partnership opportunities are also being explored with the University of Birmingham.
- The DeGroot School of Business is leading a series of monthly online events and a three-day SSHRC-sponsored symposium at The Gathering Place at Six Nations that will advance co-design and co-production theory and practice that fully engages and recognizes

INSTITUTIONAL PRIORITIES AND STRATEGIC GOALS

the contributions of equity-deserving groups as experience experts in research activities. The international team includes co-design and Indigenous researchers and experience experts from across the McMaster community, OCAD University and institutions in the UK, Sweden and Australia.

- Ahead of the Birmingham 2022 Commonwealth Games, McMaster welcomed the Queen's Baton Relay and a delegation from the University of Birmingham – the educational partner of the Games – to highlight and explore the potential for meaningful partnerships between the universities in shared areas of research, and the power of sport to unite.
- The Global Health program at McMaster continued to offer shared course offerings (Foundations in Global Health I and II) with Maastricht University (The Netherlands), Manipal Academy of Higher Education (India), Universidad del Rosario (Colombia) and Thammasat University (Thailand).
- The Faculty of Health Sciences has developed several new partnerships with institutions and countries across the globe:
 - In November 2021, the minister of health for the Co-operative Republic of Guyana visited McMaster to sign a memorandum of agreement that outlines principles of cooperation for providing medical and post graduate medical training and academic and clinical capacity building. This could include research and teaching for Guyana's Georgetown Public Hospital and the University of Guyana School of Medicine.
 - The School of Nursing has developed a new partnership with the University of Lund in Sweden to support BScN course exchanges, which began in 2022.
 - The Department of Family Medicine established a new partnership with researchers at Khon Kaen University in Thailand on a \$1.6-million study to enhance and evaluate the Thai-developed Community-Based Health Education and Communication model.

Community/Local Impact of Student Enrolment - 2019/20



Note 1: Data sourced from University Statistical Enrolment Report (USER) and Census Data (Statistics Canada), reporting period is fall term enrolment.
 Note 2: Institutional enrolment share in the population of the city in which the institution is located.

5 PRIORITY 5: Operational Excellence

Enable the administrative operations of the university to most effectively support the institutional vision and aspirations of our community of researchers, scholars, teachers and learners.



Human Resources offers three internal leadership programs with a focus on professional development: Personal Leaders, Knowledge Leaders and Strategic Leaders.

Integrated planning between administrative and academic leadership to ensure the optimization of operational policies and processes

- As the university transitioned back to in-person learning following the lifting of COVID-19 restrictions, McMaster established a Return to Campus Operational Committee to plan for health safety, and operational requirements across campus. This group brought together key leaders from across the campus to enable an integrated, consistent and student-centred approach. In addition to developing comprehensive safety protocols, the committee prepared guidance documents and standard operating procedures for the campus community, along with mandatory COVID-19 awareness training.
- The health and safety of our campus community was supported by the implementation of the MacCheck system in the fall of 2021. Developed by University Technology Services, Human Resources Services and others, MacCheck enabled the streamlined verification of vaccine details, as well as daily health checks.

Transformative IT structure that will deliver a foundation of core information technologies and services

- University Technology Services prepared for the return of students, staff and faculty in 2021-22 through various initiatives including:
 - Partnering with Facility Services, McMaster University Library, Media Production Services (MPS) and the McMaster Student Union (MSU), to implement a pilot project displaying occupancy and capacity data on digital signage for evaluation using existing Cisco DNA spaces technology.
 - In partnership with the Registrar's Office, UTS provided student-centred service through live chat software with more than 28,000 online student service chats and more than 97,000 chatbot inquiries over the 2021 calendar year. Annually, the Registrar's Office processes nearly 96,000 student support documents (transcripts, confirmation of enrolment, online aid applications, etc.), manages more than 100,000 exams every exam session and assesses more than 70,000 incoming undergraduate applications (across all levels).
- In 2020/21 and 2021/22, the McMaster Museum of Art updated, enhanced and expanded its digital capabilities to support its on-line presence for education, public programs and virtual exhibitions.
- At the DeGroote School of Business, Marketing and Community Engagement and Teaching and Learning Services are working together to develop training opportunities and resources to help DeGroote staff and faculty upgrade their digital communications skills.

Annually, the Registrar's Office processes nearly **96,000** student support documents, manages over **100,000** exams every session, and assesses over **70,000** incoming undergraduate applications.

One of the sustainability projects at McMaster included planting more than 450 native trees in the McMaster Carbon Sink Forest.



Cultivate human potential by enabling university strategy in a manner which is responsive to the evolving needs of our diverse community

- In spring 2022, a new governance structure for Human Resources was approved, designed to create greater connectivity, integrated planning and better alignment of HR strategy and operations with McMaster's strategic priorities. HR has also digitized several critical HR processes for key employee transactions to drive accuracy of data, reduce manual intervention and enable increased operational efficiency across the university.
- In partnership with Institutional Research and Analysis (IRA), Human Resources developed an HR Workforce Dashboard, which equips faculty and department leaders with dynamic employee data needed to analyze workforce data for trends, compliance and informed decisions.
- McMaster's Disconnecting from Work Policy came into effect in June 2022 in compliance with provincial guidelines. The policy encourages clear communication about expected work hours for McMaster employees and aids examination of hybrid work environments post-pandemic to support McMaster students, staff, and faculty.
- McMaster continues to focus on the professional development of its faculty and staff:
 - Human Resources offers three internal leadership programs with a focus on professional development: Personal Leaders, Knowledge Leaders and Strategic Leaders. The programs cover a variety of leadership topics including skill development, cultivating human potential and collaborative relationship building, and integrates three key themes – leading self, leading others and leading at the university.
 - The Faculty of Health Sciences and offices of Faculty Affairs and Continuing Professional Development have developed a self-directed, personalized leadership onboarding program for senior academic leaders that provides an overview of key practices, strategies, policies and resources available.

Provide a campus environment that is functional, accessible, sustainable and attractive, and promotes and supports learning, teaching, research and community

- McMaster's Campus Master Plan engagement process started in the spring of 2022, giving university stakeholders and the surrounding community an opportunity to evaluate McMaster's locations with a fresh perspective, support the university's response to climate change by placing sustainability at the forefront, maintain the attractiveness of the campus and ensure that diversity is properly reflected.
- Over the last year, McMaster has continued to design, construct, and maintain signature buildings to deliver contemporary research, teaching, learning and administrative space:
 - Construction began on a new 10,000 square foot research and teaching greenhouse. The \$18-million greenhouse is the first of four phases of major renovations to the Life Sciences Building.
 - Construction continued at the McLean Centre for Collaborative Discovery on campus, a state-of-the-art collaboration, collision, networking and study space attached to the DeGroot School of Business.
 - The Pulse fitness area expansion and Student Hub, including floors of recreation, lounge, event and McMaster Student Union (MSU) services space, continues to be built next to the David Braley Athletic Centre (DBAC). In addition, a new turf gym and high-performance athletic centre, also located next to DBAC, was completed this year.
 - In 2021, construction began on McMaster's 10 Bay Graduate Residence on the southwest corner of King Street West and Bay Street South in downtown Hamilton. More than 600 graduate students and their family members will live at McMaster's first graduate residence, planned to open in 2023, adding vibrancy to the community and the city centre in multiple ways.

- Innovative technology is making McMaster's buildings smarter and more sustainable. In 2022, McMaster University was awarded \$200,000 from Cisco's Country Digital Acceleration program to develop a proof of concept that will automate and synchronize building systems. By integrating the heating, cooling, lighting, audio visual and access systems in classrooms, and synchronizing with the classroom scheduling system for activation during scheduled times, McMaster will conserve energy and improve the learning and teaching experience.
- The Facility Services Strategic Plan 2022-26 was launched in June 2022 to support sustainability, engagement, excellence and discovery across the campus.

Engage our community as we work to transform our campus into a living laboratory for sustainability, focusing on a green and carbon free campus

- McMaster launched its first university-wide Sustainability Strategy with a collective commitment to engage students, faculty and staff in transforming campus into a living laboratory for sustainability. A range of community voices helped the Office of Sustainability team develop the principles to guide the strategy, including looking through a lens of Indigeneity, focusing on equity and inclusion, and collaborating with our community to tailor solutions.
- McMaster is looking for ways to fast-track its Net Zero Carbon Roadmap to achieve net zero carbon emissions on campus by as early as 2035. Two electric boilers are being installed this year, which will lead to a 23 per cent reduction in carbon emissions on campus. The next step in the roadmap will reduce the use of a cogeneration energy production plant, reducing emissions on campus an additional 21 per cent.
- Through partnership with McMaster's Academic Sustainability Programs Office, Facility Services, Nature at McMaster, the Student Wellness Centre, University Technology Services, Strategic Procurement and Housing and Conference Services have supported 13 campus sustainability projects. Projects include McMaster's Native Bee initiative, the ACCESS Tech IT collection and community donation program, studying student perceptions of sustainability at McMaster, planting more than 450 native trees in the McMaster Carbon Sink Forest, implementing a community fridge on campus, creating McMaster's sustainable procurement program and website, and studying student perceptions of water bottle refilling and reuse on campus.

Financial stewardship and risk mitigation to develop and steward the university's financial assets securely and effectively

- McMaster's ability to structurally balance and fund strategic and capital priorities demonstrates prudent financial management enabled by McMaster's transparent budget model that places fiscal accountabilities with area leaders who initiate one-time investments to advance the university mission, vision, and strategic priorities.
- McMaster's Budget Model Task Force advances the efficient use of McMaster's physical and human resources and continues to serve the university's decision-making particularly as the COVID-19 pandemic has required substantial one-time investments due to limited provincial funding growth opportunities.
- A newly released study by the C.D. Howe Institute saw McMaster tie for first place in Canada for its endowment emission reduction plan, governance, and disclosure of its plan and progress.
- Looking forward to 2022/23, the university continues to advance McMaster's top strategic priority Canada's Global Nexus for Pandemics and Biological Threats at McMaster's Innovation Park (MIP). McMaster will also progress MIP's major development initiative, providing an additional 2.8 million square feet of new and renovated life sciences and biomanufacturing space. Major initiatives will be mindful of strategic ambitions relative to sustaining McMaster's strong financial credit rating of AA (Stable). Overall capital plans are budgeted to resume at pre-COVID-19 levels with several Faculty-driven strategically aligned initiatives.



In 2021, McMaster received over 63,400 applications from over 45,800 applicants from Ontario, Canada, and around the world.



Students

McMaster is a medical doctoral university. It is a comprehensive, research-intensive, public university that has a long-standing commitment to teaching, research and service, while inspiring innovation and discovery.

McMaster has 30,000 students in 6 Faculties and welcomes approximately 5,000 new students each year.

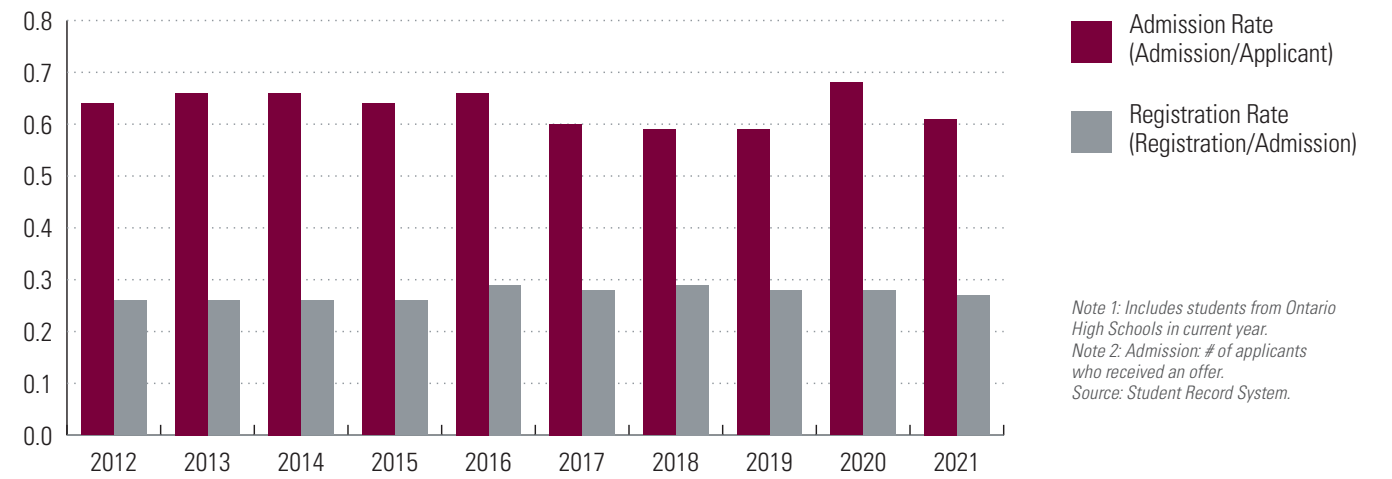
For more information on students, please visit: ira.mcmaster.ca

In 2021, 33,195 undergraduate applicants were received from Ontario high schools.

New Student ¹ Applicants From Ontario High Schools, Yield Rates - University Total, 2012-2021							
Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/Applicant)	Confirmation Rate (Confirmation/Admission)	Registration Rate (Registration/Admission)
2012	27,370	17,604	4,767	4,594	0.64	0.27	0.26
2013	28,034	18,436	4,998	4,823	0.66	0.27	0.26
2014	28,026	18,417	4,977	4,815	0.66	0.27	0.26
2015	27,673	17,629	4,948	4,604	0.64	0.28	0.26
2016	28,078	18,411	5,795	5,407	0.66	0.31	0.29
2017	29,044	17,553	5,289	4,969	0.60	0.30	0.28
2018	30,385	17,810	5,478	5,182	0.59	0.31	0.29
2019	31,404	18,405	5,405	5,108	0.59	0.29	0.28
2020	30,411	20,792	6,167	5,880	0.68	0.29	0.28
2021	33,195	20,079	5,761	5,451	0.61	0.29	0.27

Note 1: Includes students from Ontario High Schools in current year.
 Note 2: Admission: # of applicants who received an offer.
 Source: Student Record System.

Admission and Registration Rates by Year, 2012-2021



Note 1: Includes students from Ontario High Schools in current year.
 Note 2: Admission: # of applicants who received an offer.
 Source: Student Record System.

The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.9% in 2000 to 71.8% in 2021.

New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2012-2021

Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2012	#	7,313	7,347	7,471	11,610	33,741
	%	21.7	21.8	22.1	34.4	100
2013	#	7,334	7,245	7,645	12,637	34,861
	%	21.0	20.8	21.9	36.2	100
2014	#	7,525	7,568	7,370	13,028	35,491
	%	21.2	21.3	20.8	36.7	100
2015	#	7,274	7,475	7,346	13,202	35,297
	%	20.6	21.2	20.8	37.4	100
2016	#	7,313	7,358	7,378	14,054	36,103
	%	20.3	20.4	20.4	38.9	100
2017	#	7,773	7,570	7,531	15,363	38,237
	%	20.3	19.8	19.7	40.2	100
2018	#	8,072	7,789	7,677	17,875	41,413
	%	19.5	18.8	18.5	43.2	100
2019	#	8,178	7,790	7,927	19,593	43,488
	%	18.8	17.9	18.2	45.1	100
2020	#	8,029	7,588	7,586	19,206	42,418
	%	18.9	17.9	17.9	45.3	100
2021	#	9,395	8,359	8,106	20,467	46,327
	%	20.3	18.0	17.5	44.2	100

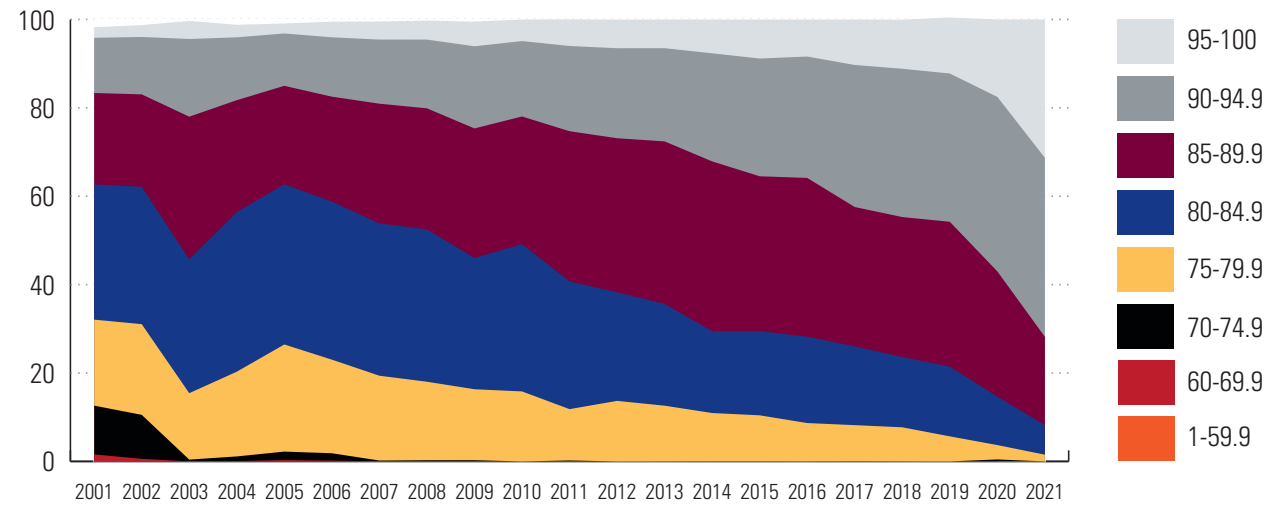
Note 1: Choice: The selection of a specific program at a specific University, in this case all choices shown are at McMaster.
 Note 2: Includes students from Ontario High Schools in current year.

Note 3: Admission: # of applicants who received an offer.
 Note 4: Multiple choices or applications can be submitted by individual students.
 Source: Student Record System.

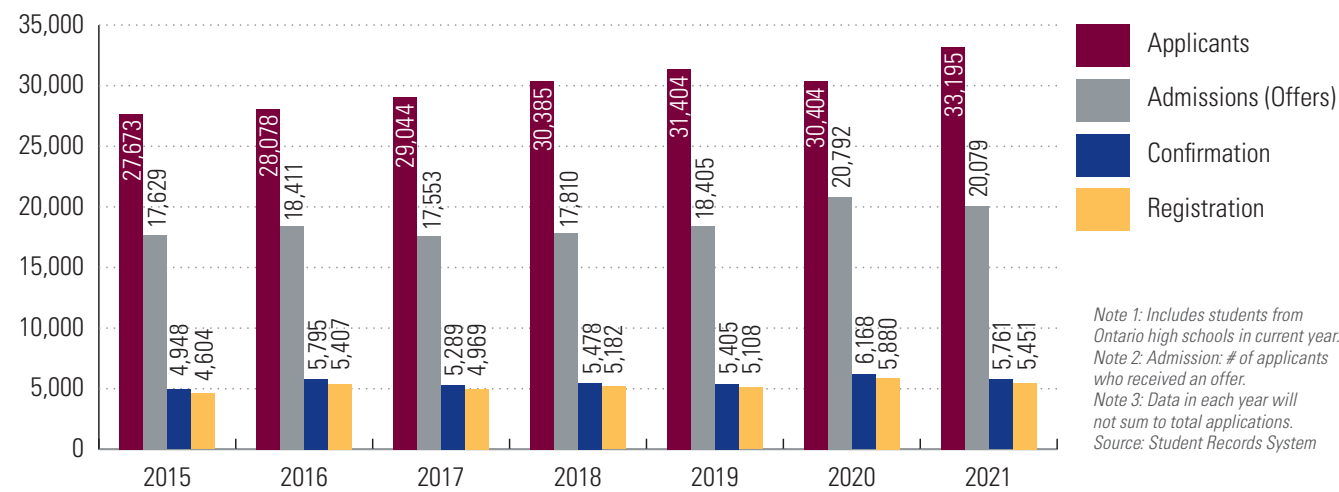
Over the last 5 years, undergraduate headcount enrolment has increased 17.7%.

Part-time enrolment was made up of 1,440 undergraduate and 921 graduate students (Fall 2021).³

Grades of Entering Full-Time Undergraduate Students from Ontario High Schools—University Total, 2001-2021

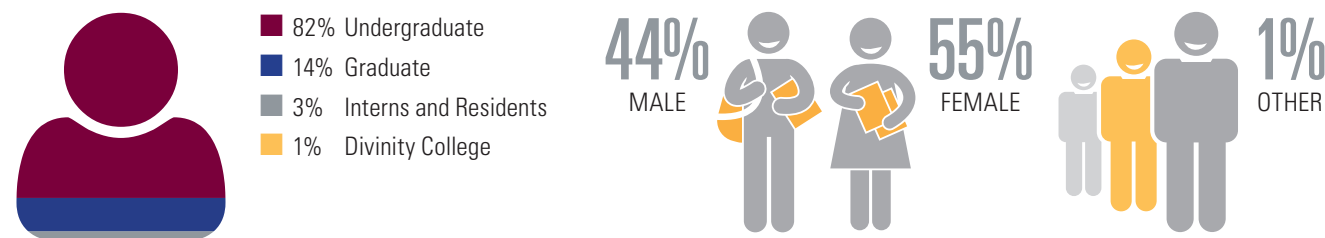


New Undergraduate Student Applicants from Ontario High Schools - University Total



Note 1: Includes students from Ontario high schools in current year.
 Note 2: Admission: # of applicants who received an offer.
 Note 3: Data in each year will not sum to total applications.
 Source: Student Records System

Total Undergraduate and Graduate Regular Session Headcount Enrolment, 2021-2022 (n=37,369)



Note 1: Undergraduate headcount enrolment includes Regular session as reported to MCU on each count date. Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.
 Note 2: Regular session includes fall only.
 Note 3: New undergraduate includes students who applied directly from Secondary School only.
 Note 4: University Total includes undergraduate and graduate regular session full-time and part-time headcount enrolment.

Note 5: Headcount excludes students on co-op work term.
 Note 6: Effective Summer 2015, McMaster's definition of a part-time student changed from 12 units to 9 units per four month term.
 Source: Student Records Database

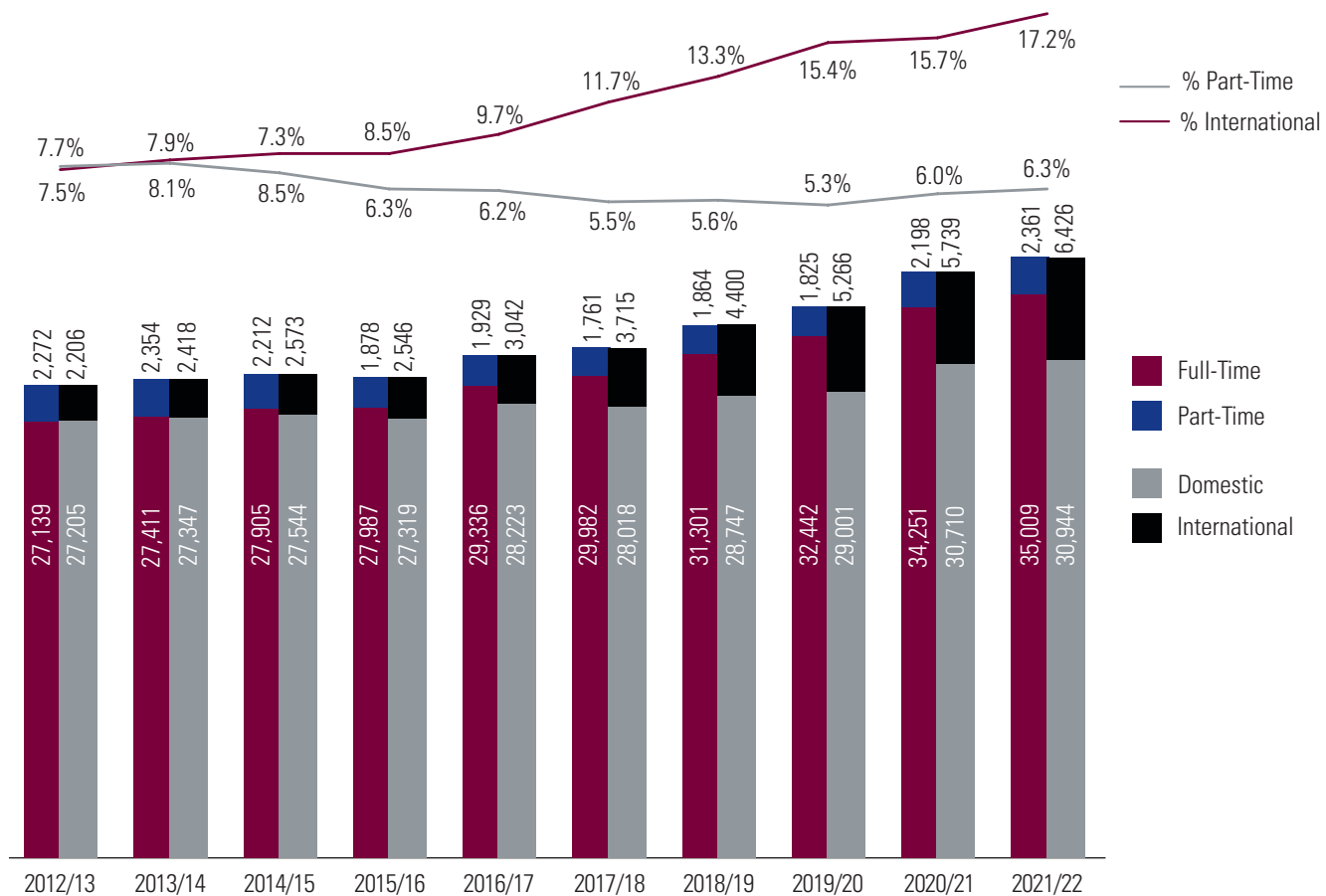
Total Headcount Enrolment and Demographics, 2017-2018 to 2021-2022

Undergraduate ¹	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	26,171	4,676	27,213	4,812	28,209	5,327	30,171	7,987	30,679	8,449
Part-Time	1,111	6,930	1,077	7,179	1,067	7,763	1,362	11,181	1,440	11,910
% Part-Time	4.1	59.7	3.8	59.9	3.6	59.3	4.3	58.3	4.5	58.5
Domestic	24,693	10,299	25,187	10,247	25,414	10,882	26,973	15,571	27,126	16,125
International	2,589	1,307	3,103	1,744	3,862	2,208	4,560	3,594	4,993	4,234
% International	9.5	11.3	11.0	14.5	13.2	16.9	14.5	18.8	15.5	20.8
Male	12,316	4,908	12,671	5,168	12,953	5,696	13,908	7,964	14,024	8,424
Female	14,856	6,666	15,402	6,705	16,035	7,221	17,198	10,931	17,604	11,553
% Female (Unknown)	54.4	57.4	54.4	56.0	54.8	55.2	55.3	57.9	56.3	58.6
New³	5,458	9	5,670	5	5,816	7	6,677	11	6,116	5
Continuing/Returning	21,277	11,444	21,992	11,824	22,833	12,927	24,180	18,994	25,346	20,192
% Continuing/Returning	79.6	100.0	79.5	100.0	79.7	100.0	78.4	100.0	80.6	100.0
Live on Campus	3,623		3,601		3,969		No Students lived on Campus due to the COVID-19 Pandemic		3,308	
Off Campus	23,659		24,689		25,307				28,810	
% Off Campus	86.7		87.3		86.4				89.7	
Graduate	2017-2018 Regular Session		2018-2019 Regular Session		2019-2020 Regular Session		2020-2021 Regular Session		2021-2022 Regular Session	
Full-Time	3,811		4,088		4,233		4,081		4,330	
Part-Time	750		769		758		836		921	
% Part-Time	16.4		15.8		15.2		17.0		17.5	
Domestic	3,432		3,560		3,587		3,737		3,817	
International	1,129		1,297		1,404		1,180		1,434	
% International	24.8		26.7		28.1		21.9		27.3	
Male	2,190		2,287		2,276		2,168		2,311	
Female	2,369		2,558		2,687		2,711		2,890	
% Female	52.0		52.7		53.8		55.6		55.6	
Diploma/Certificate	142		186		171		94		118	
Master's	2,960		3,144		3,212		3,146		3,422	
Doctoral	1,459		1,527		1,608		1,677		1,711	
% Doctoral	32.0		31.4		32.2		34.1		32.6	
University Total⁴	31,843		33,147		34,267		36,499		37,370	

Note 1: Undergraduate headcount enrolment includes Spring/Summer, Regular session as reported to MCU on each count date. Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.
 Note 2: Regular session includes fall only.
 Note 3: New undergraduate includes students who applied directly from Secondary School only.

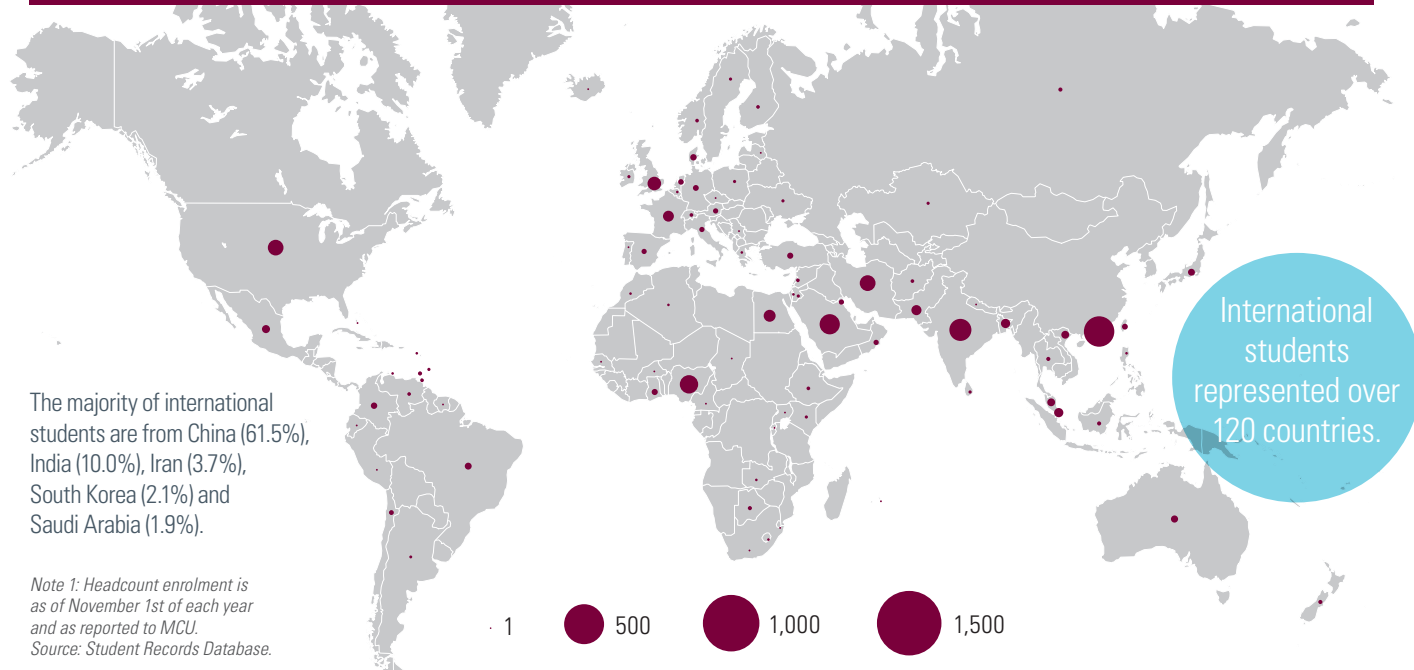
Note 4: University Total includes undergraduate and graduate regular session full-time and part-time headcount enrolment.
 Note 5: Headcount excludes students on co-op work term.
 Note 6: Effective Summer 2015, McMaster's definition of a part-time student changed from 12 units to 9 units per four month term.
 Source: Student Records Database

Total Headcount Enrolment with Percentage of Part-Time Students and International Students, 2012-2021³



Note 1: Headcount enrolment is as of November 1st of each year and as reported to MCU.
 Note 2: Headcount enrolment excludes students on co-op work term.
 Note 3: The definition of part-time students changed from 12 units to 9 units per 4-month term effective summer 2015. The full-time and part-time numbers in the chart have been restated using the new definition of part-time students for all years in order to show a trend line. As a result, the previous years' restated part-time and full-time data in the chart will differ from the other data tables and official enrolment data with part-time and full-time breakdown.
 Source: Student Records Database.

International Students Country of Origin



Note 1: Headcount enrolment is as of November 1st of each year and as reported to MCU.
 Source: Student Records Database.



Fall 2021 headcount consisted of 32,118 undergraduate and 5,251 graduate students, totaling 37,369.

Undergraduate Enrolment and Demographics, 2021-2022

Undergraduate	Level	FFTE ¹		Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International	
Business	1	1,089.1	1,050	16	1,066	1,066	0	454	604	700	14	352	
	2	1,061.4	1,022	5	1,027	1,027	0	441	584	699	19	309	
	3	931.05	914	11	925	925	0	409	508	643	17	265	
	4	694.55	810	36	846	846	0	387	454	641	11	194	
	Other ⁵	14.9	11	7	18	5	13	6	12	13	0	5	
	Total		3,791	3,807	75	3,882	3,869	13	1,697	2,162	2,696	61	1,125
Engineering³													
Engineering (Excluding Computer Science, Technology)	1	1,183.2	1,131	13	1,144	1,144	0	372	767	931	26	187	
	2	1,196.1	1,193	27	1,220	1,220	0	386	829	1,015	27	178	
	3	922.7	987	24	1,011	1,011	0	338	665	795	27	189	
	4	889.8	1,172	60	1,232	1,232	0	314	914	1,008	26	198	
	5	184.2	250	20	270	270	0	74	194	242	5	23	
	Other	3.8	1	6	7	0	7	1	5	6	0	1	
Total		4,379.8	4,734	150	4,884	4,877	7	1,485	3,374	3,997	111	776	
Computer Science	1	192.2	190	1	191	191	0	33	158	118	2	71	
	2	124.8	127	1	128	128	0	28	98	65	2	61	
	3	88.5	102	3	105	105	0	20	84	63	0	42	
	4	55.7	66	10	76	76	0	11	64	48	1	27	
	Total		461.2	485	15	500	500	0	92	404	294	5	201
Engineering Technology	1	305.9	299	4	303	303	0	41	259	222	7	74	
	2	215.2	233	5	238	238	0	38	197	178	4	56	
	3	401.4	464	136	600	600	0	76	481	516	7	77	
	4	407.1	528	169	697	697	0	116	547	604	10	83	
	Total		1,329.6	1,524	314	1,838	1,838	0	271	1,484	1,520	28	290
Engineering Total		6,170.7	6,743	479	7,222	7,215	7	1,848	5,262	5,811	144	1,267	

In Fall 2021, 17.2% of all McMaster students were international, up 1.5% from last year.

Female undergraduate students represented 54.8% of total undergraduate enrolment in Fall 2021.

Undergraduate Enrolment and Demographics, 2021-2022 (continued)												
Undergraduate	Level	FFTE ¹	Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Health Sciences⁴												
Bachelor of Health Sciences	1	291.8	256	0	256	256	0	198	57	230	21	5
	2	324.6	304	0	304	304	0	187	113	267	31	6
	3	350.2	339	1	340	340	0	222	114	308	25	7
	4	299.3	287	5	292	292	0	202	86	267	21	4
	5	23.0	20	0	20	20	0	17	3	19	0	1
	Other	12.4	9	14	23	0	23	15	6	20	3	0
	Total	1,301.2	1,215	20	1,235	1,212	23	841	379	1,111	101	23
School of Medicine	1	203.0	203	0	203	203	0	106	65	153	50	0
	2	204.0	205	0	205	205	0	97	85	159	46	0
	3	203.5	208	0	208	208	0	117	91	168	40	0
	Total	610.5	616	0	616	616	0	320	241	480	136	0
Midwifery	1	34.6	41	0	41	41	0	39	1	35	6	0
	2	39.9	45	0	45	45	0	43	0	34	11	0
	3	35.1	36	1	37	37	0	33	0	29	8	0
	4	34.4	35	0	35	35	0	32	0	29	6	0
	Total	143.9	157	1	158	158	0	147	1	127	31	0
Nursing	1	129.9	119	1	120	120	0	108	12	115	3	2
	2	145.5	126	5	131	131	0	112	19	127	1	3
	3	296.2	250	3	253	253	0	228	16	244	7	2
	4	191.1	224	3	227	227	0	183	31	220	3	4
	Total	762.7	719	12	731	731	0	631	78	706	14	11
Collaborative Nursing	1	261.6	243	11	254	254	0	231	23	252	2	0
	2	423.2	361	27	388	388	0	349	38	385	3	0
	3	365.9	349	15	364	364	0	316	47	362	2	0
	4	258.4	355	5	360	360	0	325	35	359	0	1
	Total	1,309.1	1,308	58	1,366	1,366	0	1,221	143	1,358	7	1
Interns and Residents	Other	1,149.8	1,152	0	1,152	0	1,152	562	580	647	272	233
	Total	1,149.8	1,152	0	1,152	0	1,152	562	580	647	272	233
Health Sciences Total		5,277.3	5,167	91	5,258	4,083	1,175	3,722	1,422	4,429	561	268

Students from Ontario represent 80.9% of total undergraduate enrolment in Fall 2021.

Undergraduate Enrolment and Demographics, 2021-2022 (continued)												
Undergraduate	Level	FFTE ¹	Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Humanities	1	568.5	571	12	583	583	0	369	200	465	16	102
	2	565.9	574	17	591	591	0	390	187	505	15	71
	3	486.1	486	57	543	543	0	353	175	479	9	55
	4	357.4	402	34	436	436	0	296	134	410	6	20
	Other ⁵	18.2	17	16	33	4	29	20	12	27	1	5
	Total	1,996.2	2,050	136	2,186	2,157	29	1,428	708	1,886	47	253
Science	1	2,235.1	2,113	17	2,130	2,130	0	1,415	704	1,723	57	350
	2	2,571.9	2,418	28	2,446	2,446	0	1,586	835	1,990	61	395
	3	2,116.5	2,020	39	2,059	2,059	0	1,292	741	1,715	40	304
	4	1,659.0	1,778	81	1,859	1,859	0	1,217	615	1,608	39	212
	Other	57.3	29	77	106	2	104	67	35	100	2	4
	Total	8,730.3	8,380	244	8,624	8,520	104	5,591	2,940	7,155	200	1,269
Social Sciences	1	1,284.5	1,276	32	1,308	1,308	0	889	400	974	18	316
	2	1,194.3	1,180	61	1,241	1,241	0	837	376	982	29	229
	3	1,061.1	1,043	106	1,149	1,149	0	755	364	971	24	154
	4	659.5	708	82	790	790	0	572	204	717	8	65
	Total	4,226.9	4,223	308	4,531	4,496	35	3,080	1,360	3,678	80	772
Arts & Science	1	71.8	66	0	66	66	0	49	16	61	4	1
	2	86.8	84	1	85	85	0	67	17	73	12	0
	3	58.4	57	1	58	58	0	39	15	53	3	2
	4	66.3	71	3	74	74	0	48	25	64	9	1
	Total	284.4	278	10	288	283	5	207	74	256	28	4
Divinity College	1	19.3	18	2	20	20	0	6	13	10	1	9
	2	8.4	4	13	17	17	0	4	13	11	0	6
	3	2.8	2	5	7	7	0	0	7	3	1	3
	4	1.4	0	9	9	9	0	1	8	5	1	3
	5	1.3	0	7	7	7	0	2	5	2	0	5
	Total	69.5	31	97	128	120	8	31	96	77	17	34
University Total	1	7,870.5	7,576	109	7,685	7,685	0	4,310	3,279	5,989	227	1,469
	2	8,161.9	7,876	190	8,066	8,066	0	4,565	3,391	6,490	261	1,314
	3	7,319.4	7,257	402	7,659	7,659	0	4,198	3,308	6,349	210	1,100
	4	5,573.9	6,436	497	6,933	6,933	0	3,704	3,117	5,980	141	812
	5	299.0	292	29	321	321	0	107	212	282	6	33
	Total	1,321.6	1,242	213	1,455	79	1,376	720	717	898	293	264
Total		30,546.2	30,679	1,440	32,119	30,743	1,376	17,604	14,024	25,988	1,138	4,992

Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2021-2022. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program.
 Note 2: Undergraduate headcount enrolment is as of November 1, 2021 and as reported to MCU.

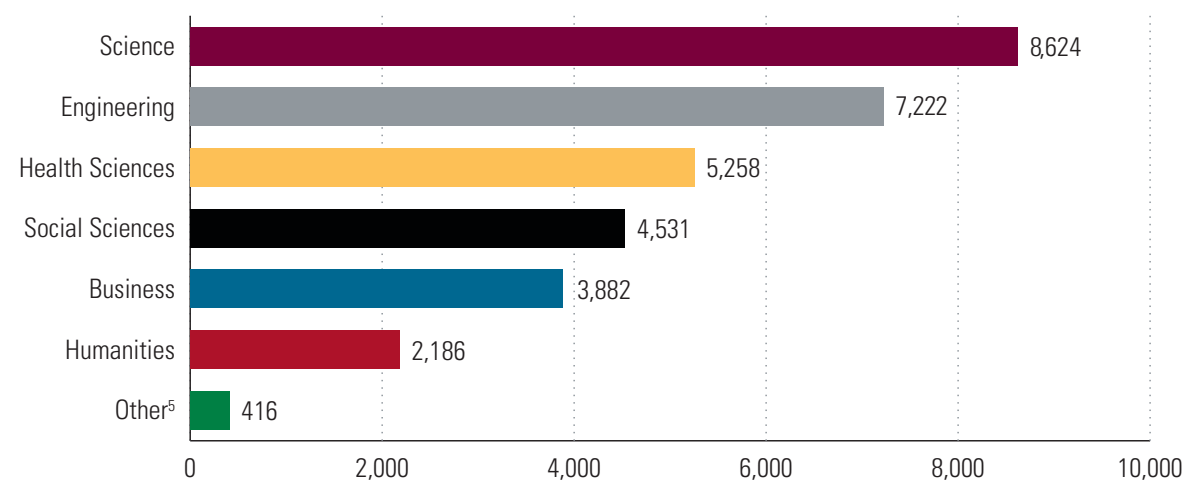
Note 3: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)
 Note 4: Health Sciences includes Bachelor of Health Sciences, School of Medicine, Midwifery, Nursing, Collaborative Nursing, Residents and Occasional/Continuing/Other.
 Note 5: Other level includes continuing students.
 Source: Student Record Database

26.9% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 22.5% in Engineering and 16.4% in Health Sciences.

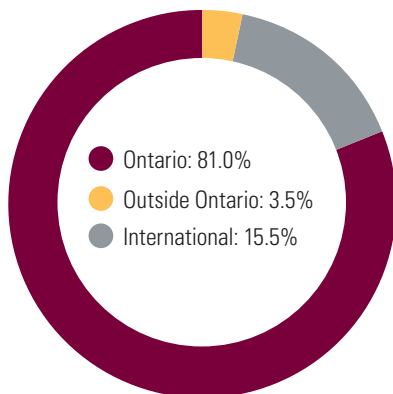


In Fall 2021, international students made up 15.5% of undergraduate student headcount enrolment.

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2021-2022 (n=32,119)

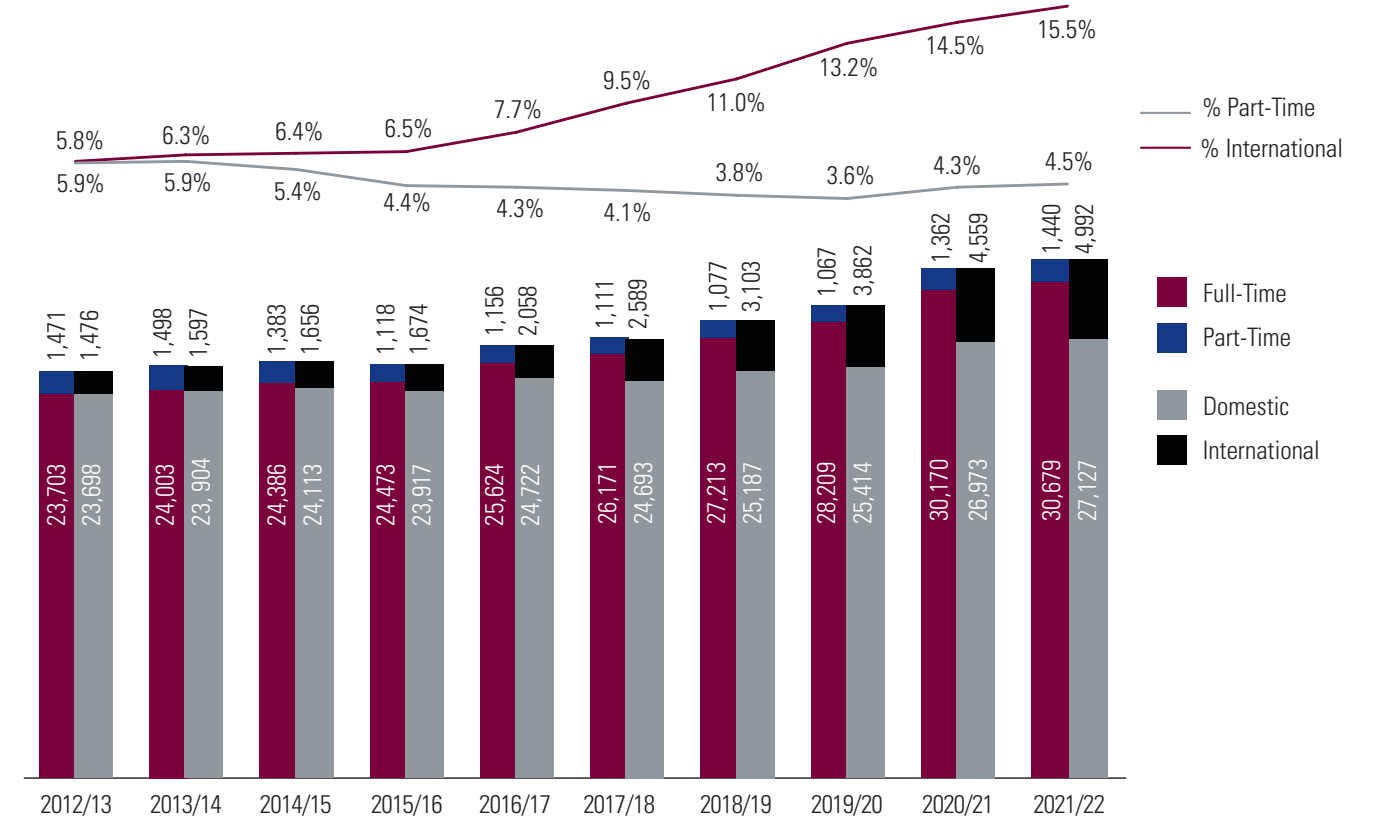


Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2021-2022 (n=32,119)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2021-2022. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program.
 Note 2: Undergraduate headcount enrolment is as of November 1, 2021 and as reported to MCU.
 Note 3: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)
 Note 4: Health Sciences includes Bachelor of Health Sciences, School of Medicine, Midwifery, Nursing, Collaborative Nursing, Residents and Occasional/Continuing/Other.
 Note 5: Other level includes continuing students.
 Note 6: Other includes Arts & Science and Divinity College.
 Note 7: Headcount excludes students on co-op work term.
 Note 8: Normal unit load is determined by the Required Units specified in the University Calendar.
 Note 9: Collaborative Programs are included in the Undergraduate Enrolment Demographics table.
 Source: Student Record Database

Undergraduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2012-2022³



Note 1: Headcount enrolment is as of November 1st of each year and as reported to MCU.
 Note 2: Headcount enrolment excludes students on co-op work term.
 Note 3: The definition of part-time students changed from 12 units to 9 units per 4-month term effective summer 2015. The full-time and part-time numbers in the chart have been restated using the new definition of part-time students for all years in order to show a trend line. As a result, the previous years' restated part-time and full-time data in the chart will differ from the other data tables and official enrolment data with part-time and full-time breakdown.
 Source: Student Records Database.

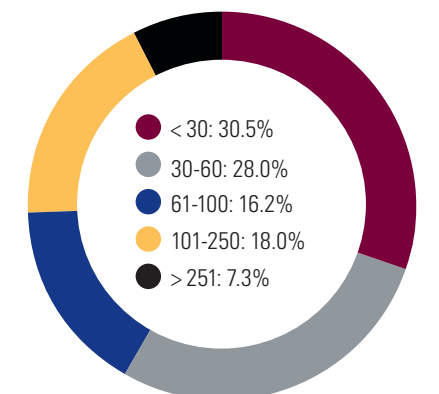
The percentage of undergraduate students who are part-time³ has decreased from 5.9 (using new part-time definition) in 2012-2013 to 4.5 in 2021-2022.

Undergraduate Class Size by Year Level, Fall 2021

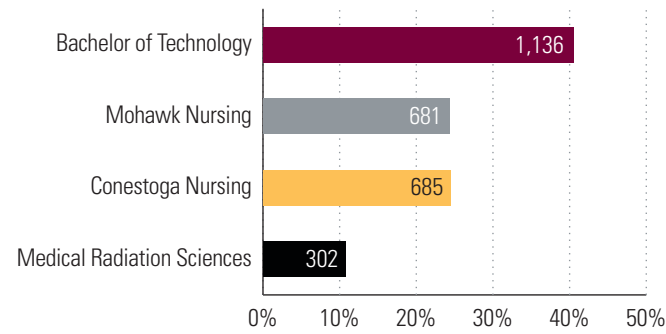
Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
<30	68	24.0	89	21.9	139	29.0	167	48.1
30 – 60	40	14.1	84	20.6	164	34.2	137	39.5
61 – 100	40	14.1	81	19.9	102	21.3	22	6.3
101 – 250	77	27.2	107	26.3	69	14.4	20	5.8
>251	58	20.5	46	11.3	5	1.0	1	0.3
Total	283	100.0	407	100.0	479	100.0	347	100.0

Note 1: Lecture courses. Excludes zero credit courses.

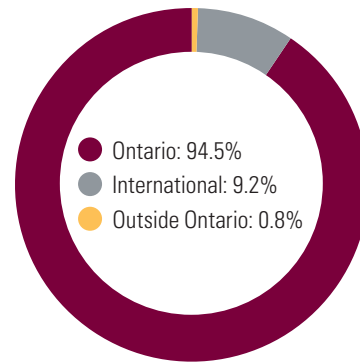
Undergraduate Class Size, Fall 2021 (n=1,516)



Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2021-2022 (n=2,804)



Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2021-2022 (n=2,804)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2021-2022. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program.
 Note 2: Undergraduate headcount enrolment is as of November 1, 2021 and as reported to MCU.
 Note 3: Headcount excludes students on co-op work term.
 Note 4: Normal unit load is determined by the Required Units specified in the University Calendar.
 Source: Student Record Database

Undergraduate Enrolment and Demographics – Collaborative Programs, 2021-2022

Undergraduate	Level	FFTE ¹				Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International			
Mohawk Nursing	1	130.7	123	6	129	129	0	114	15	129	0	0			
	2	208.4	177	12	189	189	0	164	24	188	1	0			
	3	193.3	184	5	189	189	0	168	21	188	1	0			
	4	119.5	171	3	174	174	0	157	17	173	0	1			
	Total	652.0	655	26	681	681	0	603	77	678	2	1			
Conestoga Nursing	1	130.9	120	5	125	125	0	117	8	123	2	0			
	2	214.8	184	15	199	199	0	185	14	197	2	0			
	3	172.6	165	10	175	175	0	148	26	174	1	0			
	4	138.8	184	2	186	186	0	168	18	186	0	0			
	Total	657.1	653	32	685	685	0	618	66	680	5	0			
Medical Radiation Science (Mohawk)	1	0	0	0	0	0	0	0	0	0	0	0			
	2	156.8	106	1	107	107	0	88	18	103	0	4			
	3	140.3	97	0	97	97	0	85	12	89	3	5			
	4	100	97	1	98	98	0	88	10	95	1	2			
	Total	397.1	300	2	302	302	0	261	40	287	4	11			
Bachelor of Technology (Mohawk)	1	305.9	299	4	303	303	0	41	259	222	7	74			
	2	215.2	233	5	238	238	0	38	197	178	4	56			
	3	129.2	233	0	233	233	0	29	202	177	4	52			
	4	252.7	349	13	362	362	0	72	287	291	7	64			
	Total	902.9	1114	22	1136	1136	0	180	945	868	22	246			
Total Collaborative Programs		2609.1	2722	82	2804	2804	0	1662	1128	2513	33	258			

Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2021-2022. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program.
 Note 2: Undergraduate headcount enrolment is as of November 1, 2021 and as reported to MCU.

Note 3: Headcount excludes students on co-op work term.
 Note 4: Normal unit load is determined by the Required Units specified in the University Calendar.
 Source: Student Record Database

Graduate Enrolment and Demographics, 2021-2022

Faculty/Department	FTE ¹	Headcount ²			Level			Gender		Geographic Origin				
	Enrolment	Full-Time	Part-Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	International		
Business	791.8	691	336	1027	916	103	8	540	485	661	46	320		
	Total	791.8	691	336	1027	916	103	8	540	485	661	46	320	
Engineering	Biomedical Engineering	75	75	0	75	31	44	0	33	42	52	1	22	
	Chemical Engineering	97	97	0	97	24	73	0	37	60	45	1	51	
	Civil Engineering	96.1	94	7	101	31	70	0	32	68	24	2	75	
	Computing & Software	119.2	115	14	129	75	54	0	42	86	64	2	63	
	Electrical & Computer Engineering	177.3	174	11	185	80	105	0	46	139	37	1	147	
	Engineering Physics	78.6	75	12	87	37	49	1	19	68	51	5	31	
	Faculty of Engineering - Exchange	7	7	0	7	0	0	7	4	3	0	0	7	
	Materials Science & Engineering	65.3	65	1	66	20	46	0	28	38	18	3	45	
	Mechanical Engineering	120.1	118	7	125	57	68	0	25	100	54	0	71	
	School of Engineering Practice	275.6	269	22	291	291	0	0	73	218	68	11	212	
	Total	1111.2	1089	74	1163	646	509	8	339	822	413	26	724	
	Health Sciences	Biochemistry and Biomedical Sciences	160.3	160	1	161	87	74	0	83	77	138	6	17
		Education Services	28.9	16	43	59	59	0	0	37	22	42	15	2
Global Health		130	130	0	130	114	16	0	106	23	110	15	5	
Health Research Methods, Evidence, and Impact		243.9	204	133	337	149	118	70	227	110	262	24	51	
Faculty of Health Sciences		169.3	169	1	170	88	79	3	113	54	144	6	20	
Pediatrics		32.4	30	8	38	38	0	0	38	0	31	4	3	
Psychiatry & Behavioural Neurosciences		95.6	92	12	104	59	33	12	83	20	93	7	4	
School of Medicine		5	5	0	5	5	0	0	1	4	5	0	0	
School of Nursing		91	85	20	105	85	17	3	96	9	104	0	1	
School of Rehabilitation Science		428.2	370	194	564	527	37	0	434	113	469	81	14	
Total	1384.6	1261	412	1673	1206	379	88	1218	432	1398	158	117		

The Faculty of Business has the highest percentage of international students (26.7%).

The Faculty of Health Sciences had the highest percentage of total graduate enrolment (31.9%).

Graduate Enrolment and Demographics, 2021-2022 (continued)

Faculty/ Department	FTE ¹	Headcount ²			Level			Gender		Geographic Origin			
	Enrolment	Full-Time	Part-Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	International	
Humanities	Classics	21	21	0	21	11	10	0	10	11	15	5	1
	Communication Studies	35	35	0	35	12	23	0	22	11	25	2	8
	Communications Management	15.7	1	49	50	50	0	0	37	13	37	10	3
	English	69	69	0	69	24	45	0	52	13	45	15	9
	French	19	19	0	19	5	14	0	16	3	13	2	4
	Gender and Social Justice	12.9	12	3	15	15		0	12		9	4	2
	History	40.6	40	2	42	19	23	0	17	24	33	3	6
	Linguistics	26	26	0	26	15	11	0	20	6	19	3	4
	Philosophy	56.3	56	1	57	26	31	0	20	36	47	6	4
	Total	295.5	279	55	334	177	157	0	206	117	243	50	41
Science	Biology	80.3	80	1	81	45	36	0	51	30	59	8	14
	Chemistry and Chemical Biology	101	101	0	101	39	62	0	46	54	64	6	31
	Faculty of Science - Exchange	6	6	0	6	0	0	6	3	3	1	0	5
	Geography & Earth Sciences	86.9	86	3	89	43	46	0	54	35	65	6	18
	Kinesiology	48.3	48	1	49	24	25	0	21	28	47	0	2
	Mathematics & Statistics	114.7	112	9	121	64	57	0	41	80	58	4	59
	Medical Radiation Sciences	24.5	23	5	28	15	13	0	7	21	21	1	6
	Physics & Astronomy	71	71	0	71	29	42	0	23	47	36	10	25
	Psychology, Neuroscience & Behaviour	107.3	107	1	108	32	76	0	77	31	89	5	14
	Total	640	634	20	654	291	357	6	323	329	440	40	174
Social Sciences	Anthropology	48.6	48	2	50	15	35	0	42	7	36	9	5
	Economics	71.3	71	1	72	39	33	0	27	45	39	7	26
	Health, Aging and Society	30	30	0	30	9	21	0	25	4	23	2	5
	Institute on Globalization & the Human Condition	15.3	15	1	16	16	0	0	13	3	14	1	1
	Labour Studies	24.6	24	2	26	14	12	0	14	10	20	1	5
	Political Science	57	57	0	57	20	37	0	38	18	51	0	6
	Public Policy	18	18	0	18	18		0	11	6	14	3	1
	Religious Studies	27.3	27	1	28	5	23	0	10	18	15	7	6
	School of Social Work	49.1	44	17	61	32	22	7	55	3	56	3	2
	Sociology	41	41	0	41	18	23	0	28	12	38	3	0
Total	382.2	375	24	399	186	206	7	263	126	306	36	57	

Graduate headcount enrolment comprised 14.1% of total enrolment in 2021-2022.



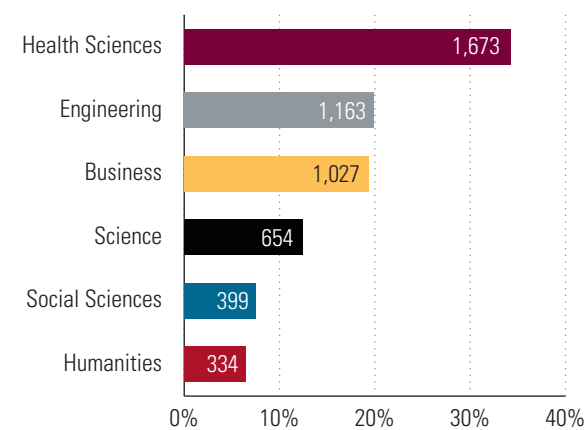
In Fall 2021, international graduate students represented 27.0% of the graduate student body.

Graduate Enrolment and Demographics, 2021-2022 (continued)

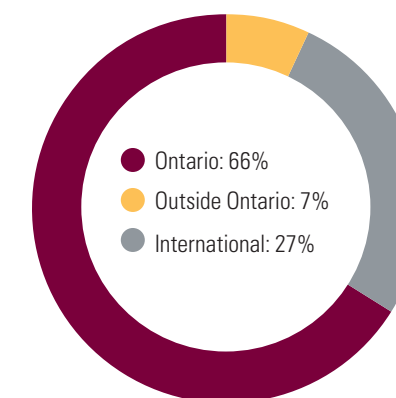
Faculty/ Department	FTE ¹	Headcount ²			Level			Gender		Geographic Origin			
	Enrolment	Full-Time	Part-Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	International	
University Total	Business	791.8	691	336	1027	916	103	8	540	485	661	46	320
	Engineering	1111.2	1089	74	1163	646	509	8	339	822	413	26	724
	Health Sciences	1384.6	1261	412	1673	1206	379	88	1218	432	1398	158	117
	Humanities	295.5	279	55	334	177	157		206	117	243	50	41
	Science	640	634	20	654	291	357	6	323	329	440	40	174
	Social Sciences	382.2	375	24	399	186	206	7	263	126	306	36	57
Grand Total	4606.3	4330	921	5251	3422	1711	118	2890	2311	3461	356	1434	

Note 1: FTE enrolment is as of November 1, 2021 and as reported to MCU. FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.
 Note 2: Graduate headcount enrolment is as of November 1, 2021 and as reported to MCU.
 Source: Student Records Database

Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2021-2022 (n=5,251)



Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2021-2022 (n=5,251)



Note 1: FTE enrolment is as of November 1, 2021 and as reported to MCU. FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.
 Note 2: Graduate headcount enrolment is as of November 1, 2021 and as reported to MCU.
 Source: Student Records Database

The Faculty of Engineering has the highest percentage of international graduate students (62.3%).

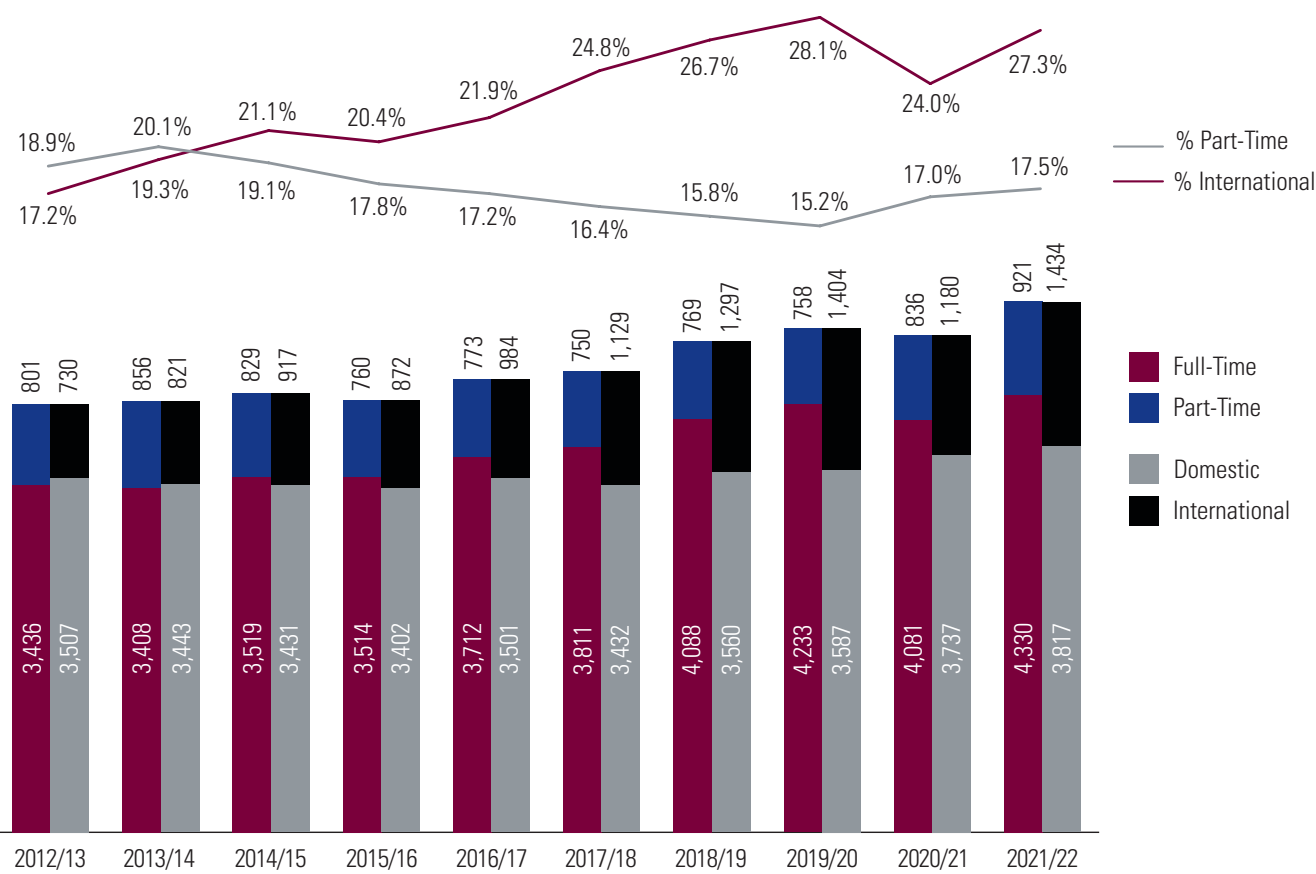


More than 90% of all academic programs offered by McMaster Continuing Education are open access programs.



55% of graduate students were female (Fall 2021).

Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2012-2022



Note 1: Headcount enrolment is as of November 1st of each year and as reported to MCU.
 Note 2: Headcount enrolment excludes students on co-op work term.
 Note 3: Effective Summer 2015, McMaster's definition of part-time student changed from 12 units to 9 units per 4-month term.
 Source: Student Records Database.

McMaster Continuing Education

MCE has launched 13 microcredentials across the spectrum of business, health, technology and professional development. The digital credential that the learner receives is shareable and verifiable, and houses information including the date earned, learning outcomes achieved, and evaluation criteria. Examples of programs where a microcredential can be earned are project management, sustainability, privacy, mindfulness, caregiving, open source intelligence, cloud foundations, and leadership essentials.

For more information on McMaster University Continuing Education, please visit: continuing.mcmaster.ca

- MCE is proud to share its partnership with the Canadian Sepsis Research Network (Sepsis Canada) and the Life Threatening Illness National Group (LifTING). The focus of this collaboration is interdisciplinary training and mentoring of the next generation of highly qualified personnel that will provide the highest quality care for Canadians suffering from sepsis and other life-threatening conditions. Program participants include early career researchers, graduate students, post-doctoral fellows, research associates, research coordinators, research assistants, technicians, lab managers, health care professionals, and patient and family partners interested in obtaining interdisciplinary skills and experiences compatible with serious illness situations.
- The launch of a new website is providing new and existing learners with contemporary ways of discovering courses and programs that fit their career and lifestyle needs. A new addition to the website is a dedicated student supports and services section. Here, students can access mental health information and information for newcomers; register for a writing support program delivered in partnership with McMaster Student Success Centre; and learn about financial supports including bursaries and awards. Quite recently, MCE launched its own award program for equity deserving students wishing to take courses and programs.
- MCE continues to increase its presence around the world with students and graduates in more than 17 countries. With its expertise in asynchronous online and synchronous virtual education models, MCE is well positioned to continue to respond to career and professional learning needs.



MCE continues to increase its presence around the world with students and graduates in more than 17 countries.



McMaster Athletics hosted its inaugural Anti-Racism Symposium, Future Directions in Anti-Racism. The first of its kind, the symposium was developed with the goal of creating a forum that can help to further the conversation of anti-racism at all levels of sport and recreation in Canada.

McMaster Continuing Education Highlights: 2021-2022

Data Point	Results
Total Students	Academic Courses 3,823
	Non-academic Courses 1,398
Total Enrolments	Academic Courses 8,369
	Non-academic Courses 2,294
Gender	Female 71.5%
	Male 28.4%
	Other 0.1%
Generation	Gen Z 2%
	Gen Y 66%
	Gen X 30%
	Boomer 2%
Domestic / International	Canada 95%
	International 5%
Student Goals	Career Growth 43%
	Professional Development 17%
	New Career Path 26%
	Professional Designation 7%
	General Interest 4%
	Other 3%

Source: Mosaic Data Fiscal 2021-2022

Student Athletics

The mission of the Athletics and Recreation department at McMaster University is to enrich the overall learning experience at McMaster; to promote a life-long appreciation for the benefits of a healthy-active lifestyle, and to be major contributors in the development of tomorrow's leaders. For more information on athletics, please visit: marauders.ca

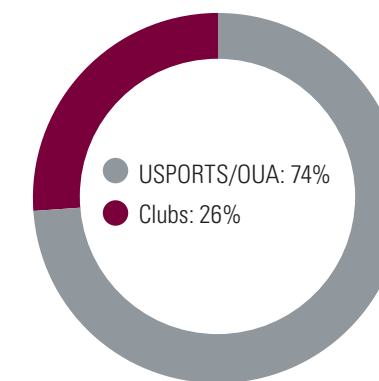
In 2021-22, McMaster University had over 900 student athletes.

Student Athletes by Gender, 2021-2022 (n=928)



Note 1: USPORTS = U Sports, OUA = Ontario University Athletics, OIWFA = Ontario Intercollegiate Women's Fastpitch Association
 Note 2: Excludes junior varsity roster team.

Student Athletes by Organization, 2021-2022 (n=928)



Note: All OUA sports are also USPORTS sports.
 Note: In October 2016, Canadian Interuniversity Sport (CIS) rebranded to "U Sports"
 Source: Athletics and Recreation database

Last year, Marauder Football established a Women's Coaching Apprenticeship Program, and became the first football team at a Canadian university to hire female coaches. This year, one of those coaches, Amanda Ruller, was hired by the Seattle Seahawks of the National Football League.

Student Athletes by Sport, 2017-2021

Sport	2017			2018			2019			2020			2021		
	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
Basketball	15	30	50.0	13	31	41.9	14	31	45.2	15	30	50.0	16	35	45.7
Cross-Country	17	42	40.5	23	56	41.1	19	47	40.4	24	51	47.1	27	58	46.6
Football		97			104			96			101			106	
Rugby – Female	27	27	100.0	37	37	100.0	36	36	100.0	32	32	100.0	36	36	100.0
Swimming	26	47	55.3	32	50	64.0	33	58	56.9	29	51	56.9	29	56	51.8
Soccer	32	69	46.4	31	67	46.3	33	74	44.3	27	66	40.9	28	63	44.4
Volleyball	17	35	48.6	17	35	48.6	19	38	50.0	17	36	47.2	19	38	50.0
Wrestling	8	24	33.3	9	31	29.0	7	30	23.3	10	28	35.7	12	29	41.4
Total	142	371	38.3	162	411	39.4	161	410	39.3	154	395	39.0	167	421	39.7
Badminton	9	22	40.9	8	18	44.4	10	22	44.4	9	15	60.0	10	21	47.6
Baseball		28			26			34			21			34	
Golf	5	17	29.4	4	10	40.0	5	15	33.3				3	13	23.1
Fencing	37	88	42.0	35	95	36.8	36	90	40.0				17	40	42.5
Lacrosse – Female	20	20	100.0	24	24	100.0	21	21	100.0	15	15	100.0	17	17	100.0
Rowing	29	61	47.5	38	74	51.4	35	72	48.6	13	22	59.1	11	21	52.4
Rugby – Male		57			63			52			24			44	
Squash	6	19	31.6	9	22	40.9	11	23	47.8				9	21	42.9
Tennis	8	22	36.4	12	28	42.9	10	25	40.0	7	11	63.6	16	29	55.2
Water Polo	16	36	44.4	12	28	42.9	18	35	51.4	9	14	64.3	19	30	63.3
Total	130	370	35.1	142	388	36.6	146	389	37.5	53	122	43.4	102	270	37.8
Cheerleading	26	26	100.0	34	34	100.0	29	29	100.0						
Curling	11	16	68.8	10	19	52.6	10	19	52.6	3	6	50.0	5	9	55.6
Fastpitch				14	14	100.0	15	15	100.0	11	11	100.0	17	17	100.0
Field Hockey	17	17	100.0	20	20	100.0	27	27	100.0	28	28	100.0	24	24	100.0
Figure Skating	31	31	100.0	32	32	100.0	33	34	97.1	10	11	90.9	15	18	83.3
Football – Female	108	108	100.0	124	124	100.0	109	109	100.0				110	110	100.0
Ice Hockey – Female	19	19	100.0	21	21	100.0	22	22	100.0						
Lacrosse – Male		28			28			27						28	
Life Guarding	19	27	70.4				15	24	62.5				5	11	45.5
Ice Hockey – Male		43						18							
Synchro Swim	12	12	100.0	16	16	100.0	19	19	100.0						
Ultimate Frisbee	27	63	42.9	26	75	34.7	25	75	33.3						
Nordic Skiing							8	16	50.0	6	7	85.7	10	20	50
Total	270	390	69.2	297	383	77.5	311	432	72.0	58	63	92.1	186	237	78.5
Grand Total	542	1,131	47.9	601	1,182	50.8	618	1,231	50.2	265	580	45.7	455	928	49.0

Note 1: USPORTS = U Sports, OUA = Ontario University Athletics, OIWFA = Ontario Intercollegiate Women's Fastpitch Association
 Note 2: Excludes junior varsity roster team.
 Note: All OUA sports are also USPORTS sports.

Note: In October 2016, Canadian Interuniversity Sport (CIS) rebranded to "U Sports"
 Source: Athletics and Recreation database

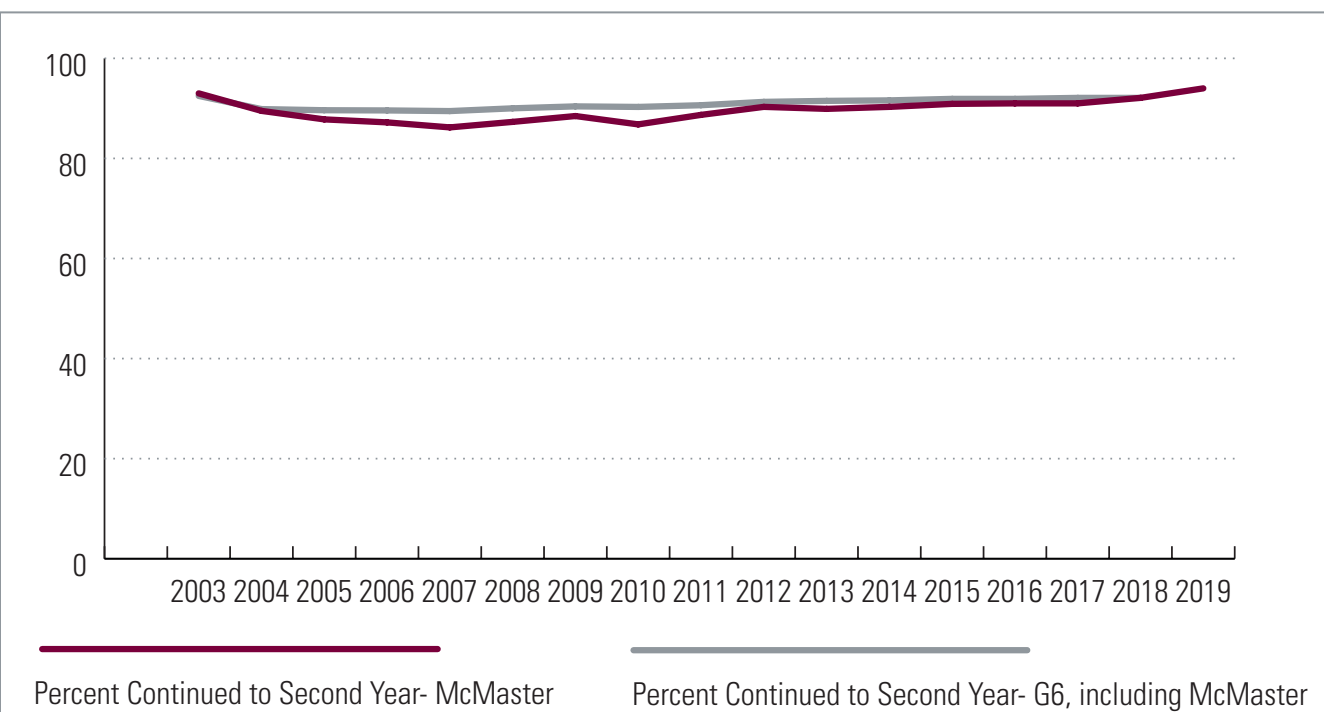


Approximately 92.1% of first-time, full-time, baccalaureate degree-seeking students of the 2020 entering cohort continued to second year.

Retention and Graduation

Female students continued to second year at higher rates than their male counterparts.

Retention Rates: Percent of First-Time, Full-Time Baccalaureate Degree-Seeking Students Who Continued to Second Year



Note 1: Retention rate is the percentage of first-time, full-time freshmen in a given fall term who returned to the institution in a subsequent fall term.
 Note 2: Headcount includes three, four, and five-year degree-seeking students. | Note 3: G6 consists of McMaster and Ontario peers. | Source: Student Records Database, CSRDE

Retention Rates¹ of First-time, Full-time, Baccalaureate Degree-Seeking Students – 2017 to 2021 Entering Cohort

Total	2017	2018	2019	2020	2021
Entering Cohort Headcount²	5,443	5,653	5,803	6,653	6,092
% Continued to 2nd Year	91.6	91.3	94.0	92.1	
% Continued to 3rd Year	88.7	89.0	91.2		
% Continued to 4th Year	82.0	81.1			
% Continued to 5th Year	37.6				
Female	2017	2018	2019	2020	2021
Entering Cohort Headcount²	2,972	3,065	3,282	3,738	3,492
% Continued to 2nd Year	93.4	92.7	94.7	93.0	
% Continued to 3rd Year	90.6	91.2	91.8		
% Continued to 4th Year	84.7	83.8			
% Continued to 5th Year	28.0				
Male	2017	2018	2019	2020	2021
Entering Cohort Headcount²	2,444	2,559	2,485	2,851	2,571
% Continued to 2nd Year	89.4	89.8	93.2	91.0	
% Continued to 3rd Year	86.4	86.7	90.5		
% Continued to 4th Year	78.9	78.0			
% Continued to 5th Year	49.1				
Domestic	2017	2018	2019	2020	2021
Entering Cohort Headcount²	4,765	4,987	4,981	5,729	5,142
% Continued to 2nd Year	92.4	92.0	94.1	93.0	
% Continued to 3rd Year	89.4	89.6	91.3		
% Continued to 4th Year	81.9	2018			
% Continued to 5th Year	38.0				
International	2017	2018	2019	2020	2021
Entering Cohort Headcount²	678	666	822	923	950
% Continued to 2nd Year	85.8	86.5	93.7	86.3	
% Continued to 3rd Year	83.6	84.4	90.6		
% Continued to 4th Year	82.7	2018			
% Continued to 5th Year	35.0				
Total G6 ³ , Including McMaster	2017	2018	2019	2020	2021
Entering Cohort Headcount²	39,103	40,507	41,051	N/A	N/A
% Continued to 2nd Year	92.1	92.1	93.3	N/A	
% Continued to 3rd Year	87.3	88.3	N/A		
% Continued to 4th Year	83.7	N/A			
% Continued to 5th Year	N/A				

Note 1: Retention rate is the percentage of first-time, full-time freshmen in a given fall term who returned to the institution in a subsequent fall term.
 Note 2: Headcount includes three, four, and five-year degree-seeking students.
 Note 3: G6 consists of McMaster and Ontario peers.
 Note 4: N/A is in some columns of the G6 data, as it comes from CSRDE, which doesn't collect "Continued to 4th Year". Total G6 for 2020 lists N/A, as the entering cohort headcount is always one year behind.
 Source: Student Records Database, CSRDE

The overall percentage of students graduating in four to eight years is consistently higher for domestic compared to international students.

Graduation Rates¹ of First-Time, Full-Time, Baccalaureate Degree-Seeking Students – 2013 Cohort to 2017 Cohort

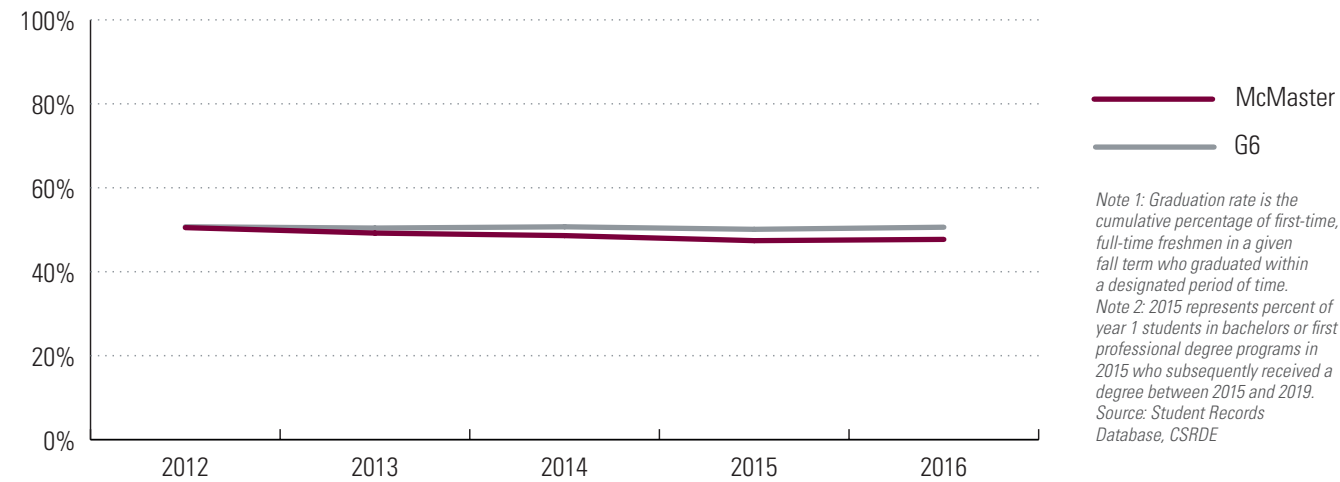
Total	2013	2014	2015	2016	2017
Cohort Headcount	5,193	5,182	4,950	5,813	5,443
% Graduated in 4 Years	49.2	48.6	47.4	47.7	49.2
% Graduated in 5 Years	74.2	74.7	75.0	75.3	
% Graduated in 6 Years	80.7	82.1	82.2		
% Graduated in 7 Years	82.6	83.6			
% Graduated in 8 Years	83.5				
Female	2013	2014	2015	2016	2017
Cohort Headcount	2,725	2,778	2,674	3,069	2,972
% Graduated in 4 Years	59.3	60.4	58.1	59.4	61.1
% Graduated in 5 Years	80.7	82.1	81.5	81.9	
% Graduated in 6 Years	83.9	85.9	85.6		
% Graduated in 7 Years	85.0	86.8			
% Graduated in 8 Years	85.7				
Male	2013	2014	2015	2016	2017
Cohort Headcount	2,468	2,404	2,276	2,744	2,444
% Graduated in 4 Years	37.9	35.0	34.8	34.5	34.9
% Graduated in 5 Years	67.0	66.1	67.4	68.0	
% Graduated in 6 Years	77.3	77.8	78.2		
% Graduated in 7 Years	79.9	80.0			
% Graduated in 8 Years	81.1				
Domestic	2013	2014	2015	2016	2017
Cohort Headcount	4,861	4,815	4,600	5,206	4,765
% Graduated in 4 Years	49.4	48.8	47.9	48.2	49.4
% Graduated in 5 Years	74.6	75.2	75.5	75.6	
% Graduated in 6 Years	81.1	82.7	82.7		
% Graduated in 7 Years	82.6	84.3			
% Graduated in 8 Years	83.9				
International	2013	2014	2015	2016	2017
Cohort Headcount	332	367	350	607	678
% Graduated in 4 Years	45.2	45.8	41.1	43.5	48.2
% Graduated in 5 Years	68.7	67.3	68.3	73.1	
% Graduated in 6 Years	75.3	73.6	75.1		
% Graduated in 7 Years	75.9	74.9			
% Graduated in 8 Years	77.1				
Total G6 ² , Including McMaster	2013	2014	2015	2016	2017
Cohort Headcount	37,072	37,283	38,522	38,970	N/A
% Graduated in 4 Years	50.4	50.7	50.1	50.6	
% Graduated in 5 Years	72.6	73.7	73.7	N/A	
% Graduated in 6 Years	78.7	79.7	N/A		
% Graduated in 7 Years	80.6	N/A			
% Graduated in 8 Years	N/A				

Note 1: Graduation rate is the cumulative percentage of first-time, full-time freshmen in a given fall term who graduated within a designated period of time.
 Note 2: G6 consists of McMaster and Ontario peers.
 Source: Student Records Database, CSRDE

Based on the 2011 doctoral cohort study, students graduating from a PhD program at McMaster took an average 4.7 years (median) to complete their studies.



4-Year Undergraduate Student Graduation Rates



Time-to-Completion, Master's and Doctoral Cohorts Study

Progression of 2015 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress		Promoted	
		#	%	Median Yrs	#	%	Median Yrs	#	%	#	%
Business	286	264	92.3	2.3	12	4.2	0.3	10	3.5	0	0.0
Engineering	239	191	79.9	1.3	20	8.4	0.7	10	4.2	18	7.5
Health Sciences	448	375	83.7	2.0	34	7.6	1.0	14	3.1	25	5.6
Humanities	124	109	87.9	1.0	12	9.7	0.7	2	1.6	1	0.8
Interdisciplinary	107	85	79.4	1.0	6	5.6	0.8	9	8.4	7	6.5
Science	197	135	68.5	2.0	16	8.1	0.7	3	1.5	43	21.8
Social Sciences	122	112	91.8	1.0	7	5.8	1.0	3	2.5	0	0.0
Total	1523	1271	83.5	2.0	107	7.0	0.7	51	3.3	94	6.2

Progression of 2011 Doctoral Cohort after 9 years

Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	11	5	45.5	6.0	4	36.4	1.0	2	18.2
Engineering	87	62	71.3	4.3	13	14.9	1.7	12	13.8
Health Sciences	54	44	81.5	4.7	6	11.1	1.2	4	7.4
Humanities	25	15	60.0	5.3	8	32.0	6.0	2	8.0
Interdisciplinary	24	19	79.2	5.0	3	12.5	1.0	2	8.3
Science	97	76	78.4	4.3	11	11.3	2.3	10	10.3
Social Sciences	44	29	65.9	5.7	10	22.7	2.8	5	11.4
Total	342	250	73.1	4.7	55	16.1	2.0	37	10.8

Progression of 2014 Doctoral Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	16	7	43.8	4.7	7	43.8	1.7	2	12.5
Engineering	84	54	64.3	4.2	14	16.7	1.5	16	19.0
Health Sciences	78	59	75.6	4.3	9	11.5	1.0	10	12.8
Humanities	32	17	53.1	5.0	10	31.3	3.0	5	15.6
Interdisciplinary	10	8	80.0	4.8	1	10.0	1.0	1	10.0
Science	85	61	71.8	4.0	12	14.1	2.0	12	14.1
Social Sciences	28	10	35.7	5.0	12	42.9	2.3	6	21.4
Total	333	216	64.9	4.3	65	19.5	1.7	52	15.6

Trend of Doctoral Progression (2011-2014 Cohorts after 5 years)

Results/Cohorts	2011		2012		2013		2014	
	#	%	#	%	#	%	#	%
Graduated	224	68.9	217	62.2	241	66.4	216	64.9
In Progress	44	13.5	71	20.3	59	16.3	52	15.6
Withdrawn	57	17.5	61	17.5	63	17.4	65	19.5
Total	325	100.0	349	100.0	363	100.0	333	100.0

Trend of Doctoral Progression (2008-2011 Cohorts after 9 years)

Results/Cohorts	2008		2009		2010		2011	
	#	%	#	%	#	%	#	%
Graduated	215	75.7	236	73.8	237	70.5	250	73.1
In Progress	1	0.4	13	4.1	22	6.5	37	10.8
Withdrawn	68	23.9	71	22.2	77	22.9	55	16.1
Total	284	100.0	320	100.0	336	100.0	342	100.0

Source: Graduate Studies and Student Records Database

From 2017 to 2021, the number of undergraduate and graduate degrees awarded increased 14.9% overall.

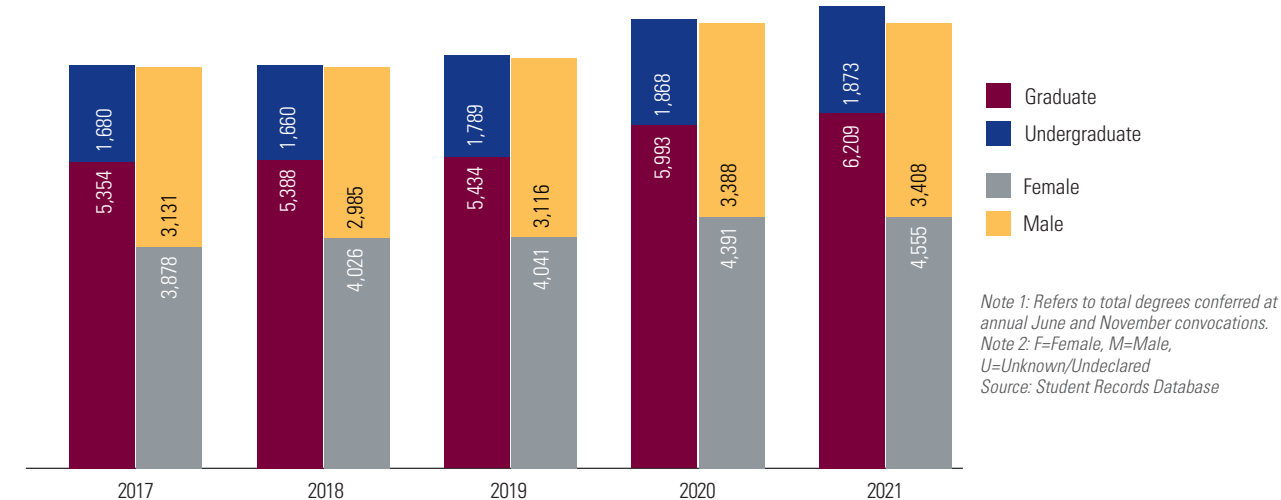
Degrees Awarded¹, 2017-2021

Faculty/Degree	2017				2018				2019				2020				2021				
	U	F	M	All	U	F	M	All	U	F	M	All	U	F	M	All	U	F	M	All	
Business	Bachelor		239	316	555		243	293	536		240	311	551	2	303	412	717	2	375	437	814
	Master's		139	150	289		129	151	280		139	166	305		151	153	304		2	5	7
	Doctoral		3	7	10		3	5	8		2	9	11			3	3		187	187	374
	Total		381	473	854		375	449	824		381	486	867	2	454	568	1,024	2	564	629	1,195
Engineering	Bachelor		172	807	979		188	766	954	4	182	811	997	9	212	835	1,056	14	221	922	1,157
	Master's		52	160	212		68	173	241		82	210	292		80	231	311		76	175	251
	Doctoral		15	56	71		20	48	68		14	38	52		18	46	64		16	70	86
	Grad. Cert./Diploma							1	1			1	1								
Total		239	1,023	1,262		276	988	1,264	4	278	1,060	1,342	9	310	1,112	1,431	14	313	1,167	1,494	
Health Sciences	Bachelor		685	181	866	2	679	160	841	7	700	187	894	15	695	206	916	25	640	159	824
	First Professional		115	82	197		104	103	207		112	87	199		103	91	194		114	94	208
	Master's		231	80	311		227	85	312	4	263	105	372	10	306	94	410	7	304	95	406
	Doctoral		29	21	50		31	23	54		28	21	49		30	36	66		34	21	55
Grad. Cert./Diploma		19	8	27		14	10	24		28	14	42		16	7	23		23	8	31	
Total		1,079	372	1,451	2	1,055	381	1,438	11	1,131	414	1,556	25	1,150	434	1,609	32	1,115	377	1,524	
Humanities	Bachelor	3	340	167	510	7	353	140	500	6	334	142	482	6	306	136	448	14	332	132	478
	Master's		66	29	95	1	71	36	108	4	63	27	94		68	25	93	2	60	28	90
	Doctoral		11	8	19		11	9	20		7	12	19		11	7	18		11	4	15
	Grad. Cert./Diploma			2	2			2	2			2	2			2	2				
Total	3	417	206	626	8	435	187	630	10	406	181	597	6	387	168	561	16	403	164	583	
Science	Bachelor	13	762	464	1,239	20	879	481	1,380	23	885	486	1,394	25	1,048	534	1,607	30	1,101	548	1,679
	Master's		59	56	115		53	60	113		48	57	105	1	45	55	101		47	46	93
	Doctoral	1	34	41	76		20	26	46		23	31	54		27	28	55		24	26	50
	Total	14	855	561	1,430	20	952	567	1,539	23	956	574	1,553	26	1,120	617	1,763	30	1,172	620	1,822
Social Sciences	Bachelor	6	622	309	937	7	636	262	905	14	583	256	853	10	658	296	964	21	679	286	986
	Master's		74	50	124		68	36	104	2	61	28	91	2	71	49	122	2	66	41	109
	Doctoral		11	11	22		15	12	27		14	9	23		6	12	18		13	6	19
	Grad. Cert./Diploma	2			2		1		1		1	1	2		3		3		1		1
Total	6	709	370	1,085	7	720	310	1,037	16	659	294	969	12	738	357	1,107	23	759	333	1,115	
Arts & Science	Bachelor	1	41	20	62	1	45	16	62	1	50	10	61	1	49	23	73		36	14	50
	Total	1	41	20	62	1	45	16	62	1	50	10	61	1	49	23	73		36	14	50
Inter-disciplinary	Master's	1	137	58	196		144	57	201	1	160	64	225	1	162	68	231	1	175	70	246
	Doctoral		14	8	22		15	11	26		14	14	28		10	12	22	1	6	9	16
	Total	1	151	66	218		159	68	227	1	174	78	253	1	172	80	253	2	181	79	262
Total	25	3,872	3,091	6,988	38	4,017	2,966	7,021	66	4,035	3,097	7,198	82	4,380	3,359	7,821	119	4,543	3,383	8,045	
Divinity College	UG. Cert./Diploma						1	2	3			2	2		4	5	9		1	2	3
	First Professional			9	9			1	1			1	1		2	7	9		5	5	10
	Master's		6	19	25		7	15	22		5	7	12		3	7	10		2	8	10
	Doctoral			12	12		1	1	2		1	9	10		2	10	12		4	10	14
Total	0	6	40	46	0	9	19	28	0	6	19	25	0	11	29	40	0	12	25	37	
Grand Total	25	3,878	3,131	7,034	38	4,026	2,985	7,049	66	4,041	3,116	7,223	82	4,391	3,388	7,861	119	4,555	3,408	8,082	

Note 1: Refers to total degrees conferred at annual June and November convocations. | Note 2: F=Female, M=Male, U=Unknown/Undeclared | Note 3: Excludes Divinity College. Source: Student Records Database

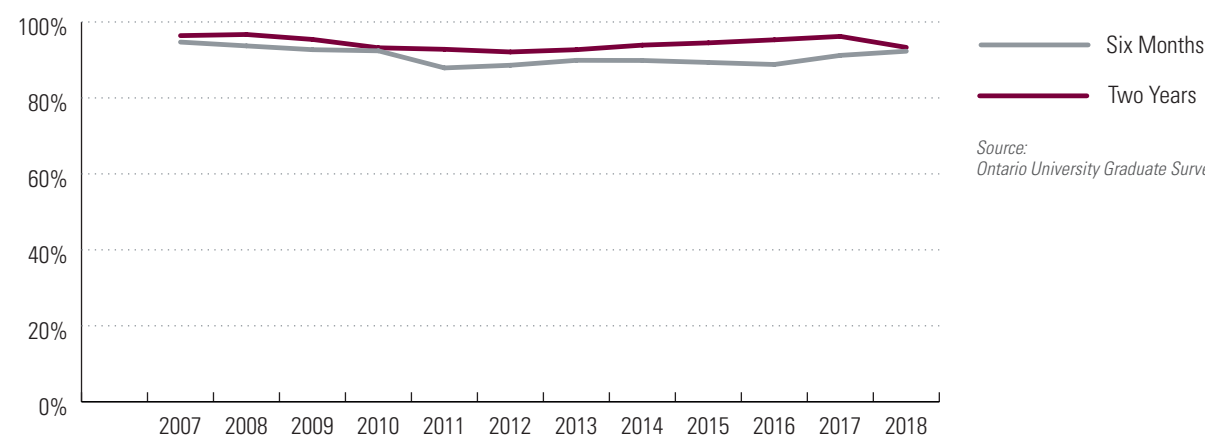
Approximately 56% of degrees were awarded to females in 2021. This has remained relatively constant since 2012, ranging from 55% to 57%.

Degrees Awarded by Level and Gender, 2017-2021



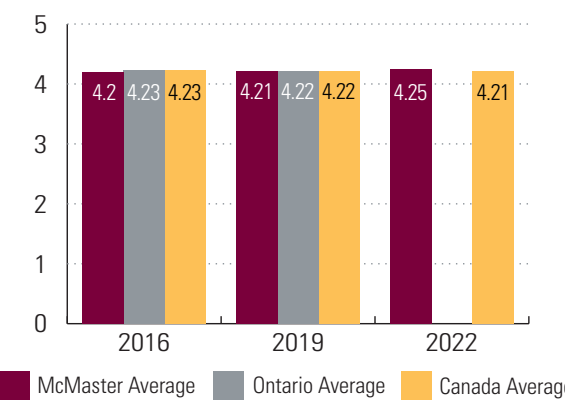
Note 1: Refers to total degrees conferred at annual June and November convocations. Note 2: F=Female, M=Male, U=Unknown/Undeclared Source: Student Records Database

Employment Rates – 6 Months and 2 Years after Graduation

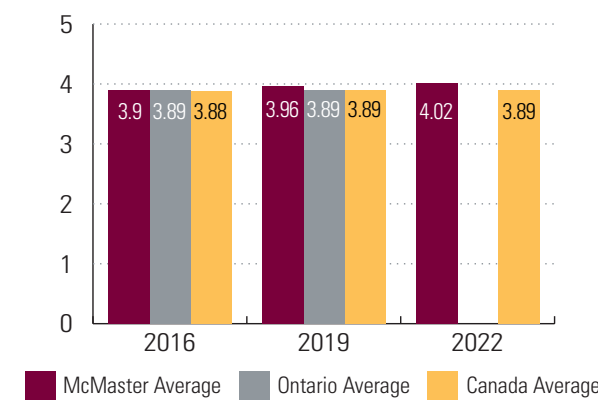


Source: Ontario University Graduate Survey, 2001-2016

CGPSS – Would you select same field of study?



CGPSS - Would you choose the same university?



Note 1: CGPSS=Canadian Graduate and Professional Student Survey | Note 2: Comparison of mean scores | Note 3: 5=Definitely, 4=Probably, 3=Maybe, 2=Probably Not, 1=Definitely Not Source: Canadian Graduate and Professional Student Survey (CGPSS).

More than 2 in 5 Students at McMaster rely on Financial Aid to help fund their education.



2021-2022 In-Course Awards by Faculty, as of October 12, 2022³

Faculty/ Program	Level 1		Level 2		Level 3		Level 4		Level 5		By Faculty ³	
	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #
Arts & Science			9,075	6	13,900	8	16,125	18			39,100	32
Business			19,150	14	33,675	30	84,800	67			137,625	111
Engineering	125,000	5	189,458	75	134,183	46	185,150	113	71,195	42	704,986	281
Health Sciences			6,800	5	66,200	53	33,950	35	3,000	1	109,950	94
Humanities			30,700	18	67,750	54	68,125	65			166,575	137
Nursing			23,100	7	35,650	20	93,800	25			152,550	52
Science	100,000	5	99,020	31	158,175	89	193,390	169	46,250	24	596,835	318
Social Sciences			4,350	4	42,425	20	144,870	93			191,645	117
Total	225,000	10	381,653	160	551,958	320	820,210	585	120,445	67	2,099,266	1,142

Financial Aid

For more information on financial aid, please visit: registrar.mcmaster.ca

Honour Awards by Faculty, 2016-2017 to 2021-2022 ¹												
Faculty/ Program	2016-2017		2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Total #	%	Total #	%	Total #	%	Total #	%	Total #	%	Total #	%
Arts & Science	75	1.4	61	1.2	69	1.3	58	1.1	83	1.8	62	1.6
Business	954	18.2	850	17.3	842	16.0	830	15.2	554	12.1	531	14.0
Engineering ²	1,157	22.1	938	19.1	1,206	22.9	1,109	20.9	1,212	26.6	695	18.3
Health Sciences	258	4.9	240	4.9	245	4.6	262	4.8	266	5.8	220	5.8
Nursing	121	2.3	110	2.2	110	2.1	121	2.2	112	2.5	97	2.6
Midwifery	4	0.1	1	0.1	6	0.1	1	0.1	0	0.0	5	0.1
Humanities	328	6.3	317	6.5	289	5.5	311	5.7	180	3.9	196	5.2
Music	23	0.4	19	0.4	21	0.4	29	0.5	24	0.5	12	0.3
Science	1,197	22.8	1,265	25.7	1,538	29.2	1,664	30.4	1,619	35.5	1,382	36.4
Kinesiology	240	4.6	180	3.7								
Medical Radiation Science	122	2.3	97	2.0								
Mathematics & Statistics	180	3.4	176	3.6	224	4.2	265	4.8	177	3.9	114	3.0
Social Sciences	581	11.1	661	13.5	723	13.7	824	15.1	337	7.4	487	12.8
Total	5,240	100.0	4,915	100.0	5,273	100.0	5,273	100.0	4,564	100.0	3,801	100.0

In 2021-2022, McMaster's students received about \$8 million in bursaries, of which \$2.5 million was funded through Trust Funds and \$5.5 million through operating funds.

Ontario Student Assistance Program Information (OSAP), 2021-2022⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	55,778,806	70,242,693	126,021,499
Graduate	9,866,027	2,622,901	12,488,928
Total	65,644,833	72,865,594	138,510,427

Bursary Program Information, 2021-2022⁵

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	23,009.4	2,360,582	5,047,883	7,431,474.4
Graduate		147,100	452,012.7	599,112.7
Total	23,009.4	2,507,682	5,499,895.7	8,030,587.1

Note 1: Honour Awards by Faculty are by direct-entry program.
 Note 2: Includes Engineering "other" levels.
 Note 3: Does not include entrance academic grants and exchange grants; includes non-monetary awards.
 Note 4: The 2021-2022 OSAP data reflects program starts between August 1, 2021 and July 31, 2022 and thus encompasses the 2021-2022 Fall/Winter and 2022 Spring/Summer sessions.
 Note 5: The 2021-2022 Bursary data reflects payments made during the fiscal year only (e.g. 2020 records have payment dates between May 1, 2021 and April 30, 2022).





Between 2020-2021 and 2021-2022, full-time undergraduate program tuition for domestic entering students remained the same, while the tuition for international/visa entering students saw an increase of 10.0% on average.

Since 2015-2016, the largest increase in average support for Masters students was seen in the category “Federal Fellowships/Scholarships” (64.2%, from \$744 to \$1,222).

Graduate Student Financial Support – Average by Category						
Qualification/Category/Average Support	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	
Master's	Internal Fellowships/Scholarships	\$3,913	\$3,962	\$2,821	\$2,163	\$3,171
	Federal Fellowships/Scholarships	\$744	\$741	\$538	\$582	\$1,222
	Provincial Fellowships/Scholarships	\$799	\$613	\$441	\$415	\$588
	Other Bursaries/Awards/Scholarships/Fellowships	\$997	\$729	\$691	\$1,038	\$1,410
	Teaching Assistantships	\$5,060	\$5,029	\$3,024	\$2,817	\$4,973
	Research Assistantships	\$4,422	\$4,706	\$3,578	\$3,403	\$6,000
	Other Employment-Based Income Support	\$206	\$368	\$202	\$224	\$325
PhD	Internal Fellowships/Scholarships	\$6,128	\$5,653	\$6,575	\$5,200	\$5,046
	Federal Fellowships/Scholarships	\$4,107	\$4,343	\$3,787	\$4,029	\$3,775
	Provincial Fellowships/Scholarships	\$1,557	\$1,777	\$1,739	\$1,615	\$1,513
	Other Bursaries/Awards/Scholarships/Fellowships	\$1,530	\$1,586	\$1,515	\$1,729	\$1,434
	Teaching Assistantships	\$6,431	\$6,505	\$6,482	\$6,697	\$6,712
	Research Assistantships	\$7,490	\$7,098	\$7,845	\$7,806	\$8,561
	Other Employment-Based Income Support	\$504	\$572	\$897	\$927	\$1,112

Note: Excludes professional programs. Only includes students enrolled FT in both Fall and Winter terms.
Source: Graduate Studies Database

Since 2015-2016, the largest increase in average support for PhD students was seen in the category “Other Employment-Based Income Support” (120.6%, from \$504 to \$1,112).

Tuition Fees

For more information on tuition fees, please visit: financial-affairs.mcmaster.ca

Tuition Fees for Undergraduate Entering Cohort, 2017-2018 to 2021-2022										
Level 1 Program	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	6,519	25,905	6,714	27,977	6,043	32,394	6,043	35,633	6,043	39,197
Business	9,900	32,723	10,394	35,341	9,355	38,168	9,355	38,168	9,355	41,985
Engineering	13,171	42,039	13,829	45,402	12,446	49,041	12,446	54,935	12,446	58,232
Health Sciences	6,519	27,268	6,714	29,449	6,043	32,394	6,043	40,493	6,043	44,542
Humanities	6,519	25,905	6,714	27,977	6,043	32,394	6,043	35,633	6,043	37,237
Kinesiology	6,519	27,268	6,714	29,449	6,043	32,394	6,043	35,633	6,043	39,197
Medical Radiation Science	6,519	27,268	6,714	29,449	6,043	32,394	6,043	35,633	6,043	39,197
Medicine	27,241	95,000	27,922	95,000	25,130	95,000	25,130	95,000	25,130	95,000
Midwifery	8,912		9,179		8,261		8,261		8,261	
Nursing	6,519	29,995	6,714	32,395	6,043	35,634	6,043	40,979	6,043	43,438
Science	6,519	27,268	6,714	29,449	6,043	32,394	6,043	35,633	6,043	39,197
Social Sciences	6,519	25,905	6,714	27,977	6,043	30,774	6,043	33,852	6,043	37,237

Tuition Fees for Graduate Entering Cohort, 2017-2018 to 2021-2022

Year 1 Master's/ Doctoral Program	2017-2018		2018-2019		2019-2020		2020-2021		2021-2022	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Research Based Full-time	7,008	17,096	7,008	17,096	6,307	17,096	6,307	17,096	6,307	17,096
Research Based Part-time	3,504	8,773	3,504	8,773	3,154	8,733	3,154	8,733	3,154	8,733
Course Based Full-time	8,939	21,559	9,386	23,283	8,447	25,612	8,447	28,173	8,447	30,990.24
Course Based Part-time	4,470	11,063	4,693	11,948	4,224	13,143	4,224	13,143	4,224	15,093
MBA ¹ Full-time	19,429	38,957	20,012	38,957	18,011	39,736	18,011	39,736	18,011	42,915
MBA Part-time (per course)	2,429	4,870	2,550	4,870	2,295	4,967	2,295	4,967	2,295	5,364
UNENE ² (per half-course)	2,500	2,500	2,500	2,500	2,250	2,250	2,250	2,250	2,250	2,250
Master of Communications (per half-course)	4,142	4,870	4,349	5,259	4,566	5,785	4,349	5,259	4,349	5,259
MEEI ³ Full-time	20,022	33,087	10,800	34,738	9,720	39,000	9,720	39,780	9,720	40,950
MEEI Part-time	10,008	16,537	6,000	16,537	5,400	17,362	5,400	18,230	5,400	18,230
MEPP ⁴ Full-time	18,289	26,921	10,800	29,100	9,720	33,000	9,720	34,650	9,720	38,115
MEPP Part-time	9,384	13,812	6,000	14,929	5,400	16,137	5,400	16,944	5,400	19,057
M Eng Design ⁵ Full-time	18,289	26,921	10,800	29,100	9,720	33,000	9,720	34,650	9,720	38,115
M Eng Design Part-time	9,384	13,812	6,000	14,929	5,400	16,137	5,400	16,944	5,400	19,057
Occupational Therapy	10,993	40,592	11,542	43,840	10,388	48,224	10,388	53,046	10,388	58,351
Physiotherapy Therapy	10,993	40,592	11,542	43,840	10,388	48,224	10,388	53,046	10,388	58,351

Note 1: MBA = Master of Business Administration
 Note 2: UNENE = The University Network of Excellence in Nuclear Engineering
 Note 3: MEEI = Master of Engineering Entrepreneurship and Innovation
 Note 4: MEPP = Master of Engineering and Public Policy

Note 5: M Eng Design = Master of Engineering Design
 Note 6: UNENE and Master of Communications fees are per half course; MBA full-time is 2 terms; MBA part-time fees are per course; all other program fees are annual (3 terms).
 Source: USFC Tuition Fee Schedules, approved by the Board of Governors



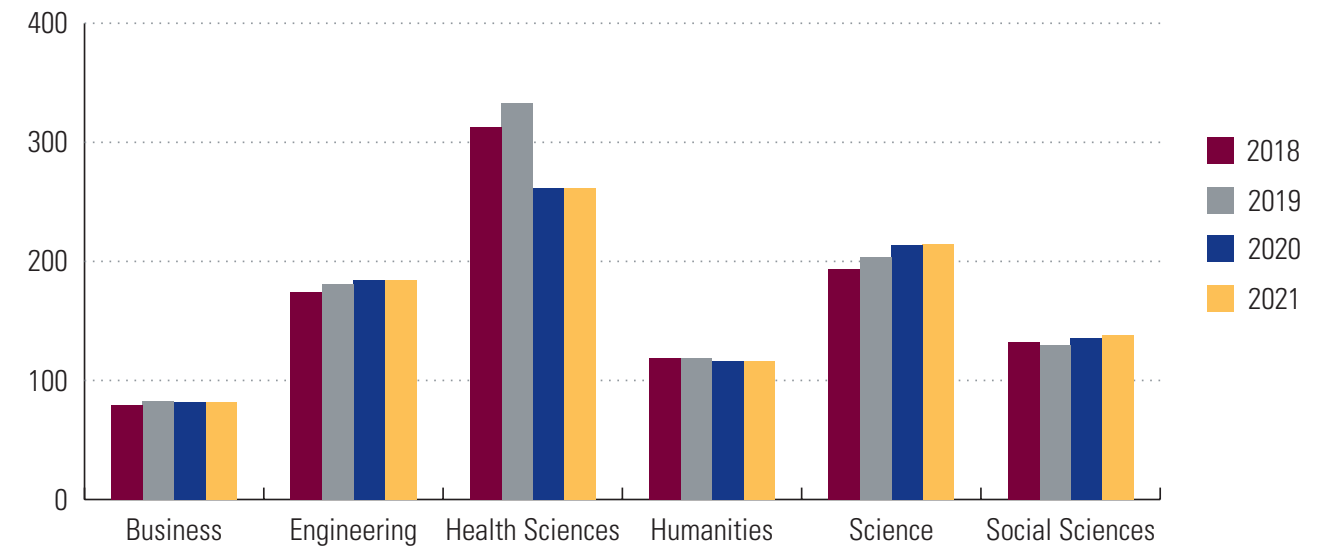
As of Fall 2021, there were 997 full-time instructional faculty (excluding clinical educators).

Faculty

For more information on faculty, please visit: ira.mcmaster.ca

Full-Time faculty consisted of 412 (41.3%) full professors, 303 (30.4%) associate professors, 275 (27.6%) assistant professors and 7 (0.7%) lecturers.

Full-Time Faculty Count by Faculty, 2018-2021⁴



Note 1: Departments for faculty members are based on their home departments. Faculty members with joint appointments are counted under their primary faculty on record.
 Note 2: Indigenous Studies was moved from Other to Social Sciences effective May 2013.
 Note 3: As of October 1st of each year, and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Note 4: Excludes clinician educators.
 Source: Human Resources



Full-Time Faculty Count by Faculty and Department, 2018-2021

Faculty/Department ¹		2018			2019			2020			2021		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Business	Accounting and Financial Management Services	6	3	9	7	3	10	7	3	10	7	3	10
	Finance and Business Economics	16	4	20	15	4	19	15	4	19	16	3	19
	Health Policy and Management	4	3	7	4	4	8	4	3	7	4	3	7
	Human Resources and Management	8	5	13	7	6	13	7	6	13	7	6	13
	Information Systems	4	3	7	4	3	7	4	3	7	4	3	7
	Marketing	8	0	8	10	1	11	10	1	11	10	1	11
	Operations Management	7	0	7	7	0	7	7	0	7	7	0	7
	Strategic Management	5	3	8	5	3	8	5	3	8	5	3	8
	Total	58	21	79	59	24	83	59	23	82	60	22	82
	Engineering	Bachelor of Technology	19	1	20	20	2	22	19	2	21	19	3
Chemical Engineering		15	4	19	17	4	21	17	4	21	17	4	21
Civil Engineering		15	5	20	16	5	21	16	5	21	15	4	19
Computing and Software		20	3	23	21	3	24	22	4	26	23	4	27
Electrical and Computer Engineering		27	4	31	28	4	32	29	4	33	27	4	31
Engineering Physics		16	2	18	16	2	18	16	2	18	15	2	17
Material Science and Engineering		13	2	15	13	3	16	12	3	15	12	4	16
Mechanical Engineering		20	4	24	20	4	24	20	5	25	19	5	24
Engineering Practice		3	1	4	2	1	3	3	1	4	6	1	7
Total		148	26	174	153	28	181	154	30	184	153	31	184
Health Sciences ⁴		Anesthesia	2	1	3	3	2	5	3	2	5	2	3
	Biochemistry and Biomedical Sciences	20	9	29	18	8	26	15	7	22	14	8	22
	Health Research Methods, Evidence and Impact	25	16	41	24	15	39	23	13	36	23	12	35
	Family Medicine	3	8	11	5	9	14	1	2	3	1	2	3
	Medicine	53	24	77	54	31	85	49	21	70	52	27	79
	Obstetrics and Gynecology	3	7	10	3	8	11	1	6	7	3	6	9
	Oncology	2	2	4	2	1	3	2	0	2	3	0	3
	Pathology and Molecular Medicine	18	8	26	15	9	24	12	8	20	3	5	8
	Pediatrics	6	9	15	10	14	24	5	9	14	5	8	13
	Psychiatry	6	11	17	8	11	19	4	10	14	5	11	16
	School of Nursing	4	35	39	4	33	37	4	32	36	5	32	37
	School of Rehabilitation Science	2	24	26	2	24	26	1	27	28	1	26	27
	Surgery	11	4	15	14	6	20	3	2	5	4	1	5
	Total	155	158	313	162	171	333	123	139	262	121	141	262

Full-Time Faculty Count by Faculty and Department, 2018-2021 (Continued)

Faculty/Department ¹		2018			2019			2020			2021			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total	
Humanities	Classics	4	3	7	4	3	7	4	3	7	4	3	7	
	Communication Studies and Multimedia	9	8	17	8	10	18	8	10	18	8	10	18	
	English and Cultural Studies	8	14	22	8	13	21	8	14	22	9	13	22	
	French	4	4	8	4	4	8	4	4	8	4	4	8	
	History	12	9	21	11	8	19	11	7	18	11	6	17	
	Humanities		1	1	1	1	1	0	1	1	0	2	2	
	Linguistics and Languages	4	8	12	4	8	12	4	8	12	3	8	11	
	L.R. Wilson Centre for Canada				2	2		1	1				0	
	Hope Chair										0	1	1	
	Philosophy	7	8	15	8	7	15	7	8	15	8	7	15	
	School of the Arts	8	8	16	8	8	16	6	8	14	7	8	15	
	Total	56	63	119	55	64	119	52	64	116	54	62	116	
	Science	Biology	20	12	32	21	12	32	20	12	32	18	12	30
		Chemistry	22	4	26	22	4	26	22	7	29	21	7	28
Earth, Environment and Society		18	4	22	20	5	25	19	5	24	19	5	24	
School of Interdisciplinary Science		2	7	9	2	8	10	2	8	10	3	9	12	
Kinesiology ²		10	6	16	11	7	18	12	7	19	12	7	19	
Mathematics and Statistics		29	6	35	32	5	37	33	8	41	32	9	41	
Physics and Astronomy		20	5	25	20	6	26	21	6	27	21	6	27	
Psychology, Neuroscience and Behaviour		18	11	29	18	11	29	19	13	32	20	14	34	
Total		139	56	195	146	58	204	148	66	214	146	69	215	
Social Sciences		Anthropology	7	8	15	6	9	15	7	10	17	7	10	17
		Economics	19	8	27	21	8	29	22	9	31	21	9	30
	Health, Aging, and Society	5	10	15	5	8	13	5	8	13	5	9	14	
	Indigenous Studies ²		1	1		1	1		1	1	0	1	1	
	Labour Studies	3	5	8	2	5	7	2	5	7	2	5	7	
	Political Science	13	7	20	13	8	21	13	9	22	13	10	23	
	Religious Studies	9	5	14	8	5	13	8	6	14	9	5	14	
	School of Social Work	2	11	13	2	12	14	2	12	14	2	10	12	
	Sociology	8	11	19	7	9	16	8	9	17	9	11	20	
	Total	66	66	132	65	65	130	67	68	136	68	70	138	
	Grand Total	622	389	1,011	640	410	1,050	603	391	994	602	395	997	

Note 1: Departments for faculty members are based on their home departments. Faculty members with joint appointments are counted under their primary faculty on record.
 Note 2: Indigenous Studies was moved from Other to Social Sciences effective May 2013.
 Note 3: As of October 1st of each year, and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Note 4: Excludes clinician educators.
 Source: Human Resources

Faculty members earned their highest degrees in over 30 countries. Most (over 86%) were earned in Canada, the United States and the United Kingdom.

McMaster's Full-Time faculty members have an average age of 51.4 years, with an average of 15.2 years at the university.

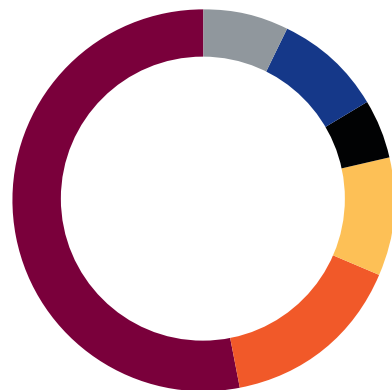
Full-Time Faculty Statistics, 2021-2022

Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	30	83	36	128	40	95	412
	Average Age	62.7	56.7	60.3	57.5	58.6	59.5	58.5
	Average Years in University	24.8	19.6	24.0	22.4	19.5	22.5	21.9
	% Tenured/Tenure-Track	100	98.8	100	100	100	98.9	99.5
Associate Professor	No. in Rank	28	43	55	41	54	82	303
	Average Age	52.7	48.0	52.6	50.6	49.7	49.3	50.3
	Average Years in University	16.0	12.6	15.3	15.3	12.5	13.5	14.0
	% Tenured/Tenure-Track	96.4	100	98.2	97.6	98.1	98.8	98.4
Assistant Professor	No. in Rank	22	56	24	46	42	85	275
	Average Age	42.3	41.4	40.3	39.4	42.6	44.0	42.0
	Average Years in University	6.6	8.0	6.8	5.3	6.5	6.9	6.7
	% Tenured/Tenure-Track	68.2	51.9	66.7	73.9	64.3	75.3	72.0
Lecturer	No. in Rank	2	2	1		2		7
	Average Age							46.7
	Average Years in University							6.0
	% Tenured/Tenure-Track							14.3
Total Faculty	No. in Rank	82	184	116	215	138	262	997
	Average Age	53.4	50.1	52.3	52.3	49.9	51.3	51.4
	Average Years in University	16.5	14.3	16.1	17.4	12.5	14.6	15.2
	% Tenured/Tenure-Track	87.8	90.8	91.4	94.0	87.0	91.6	91.0

Note 1: No statistics are reported for groups with less than 5 individuals.
 Note 2: Health Sciences % Tenure/Tenure-Track also includes CAWAR, Permanent Teaching, Teaching-Track and Special appointments.
 Note 3: As of October 1, 2021 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

91.0% of full-time faculty are categorized as tenured or tenure-track appointments. (includes Tenured, Tenure-Track, Permanent Teaching, Teaching-Track, CAWAR and Special appointments)

Full-Time Faculty Appointment Status, 2021-2022 (n=997)

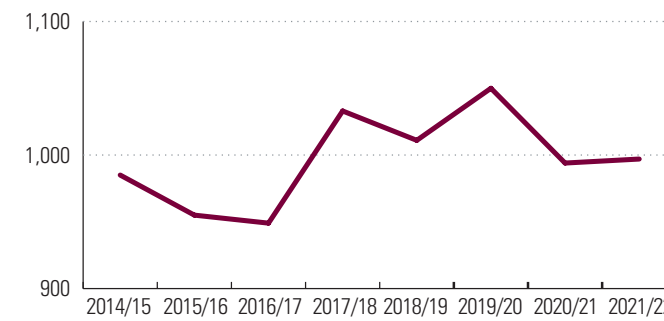


- Tenured: 52.9%
- CAWAR: 7.4%
- Contractually Limited: 9.1%
- Special Term: 4.9%
- Permanent Teaching/Teaching Track: 10.2%
- Tenure-Track: 15.5%

Note 1: Departments for faculty members are based on their home departments. The report does not capture joint appointments.
 Note 2: Count excludes clinician educators.
 Note 3: As of October 1, 2021 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Source: Human Resources

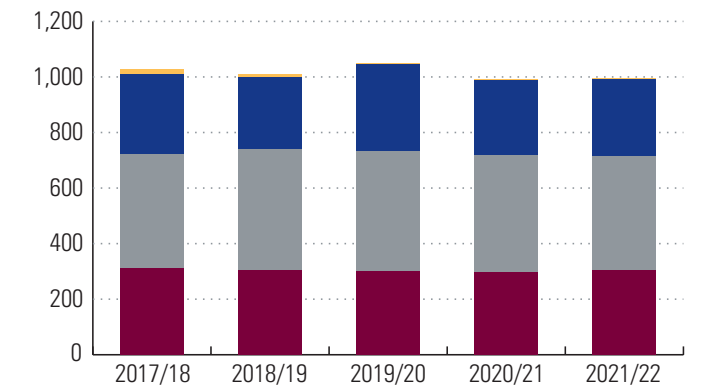


Full-Time Faculty Count, 2014/15 to 2021/22



Note 1: Excludes clinician educators.
 Note 2: As of October 1st of each year and as reported to Ontario Council of Academic Vice-Presidents (OCAV).
 Source: Human Resources

Full-Time Faculty Count by Rank, 2017/18 to 2021/22



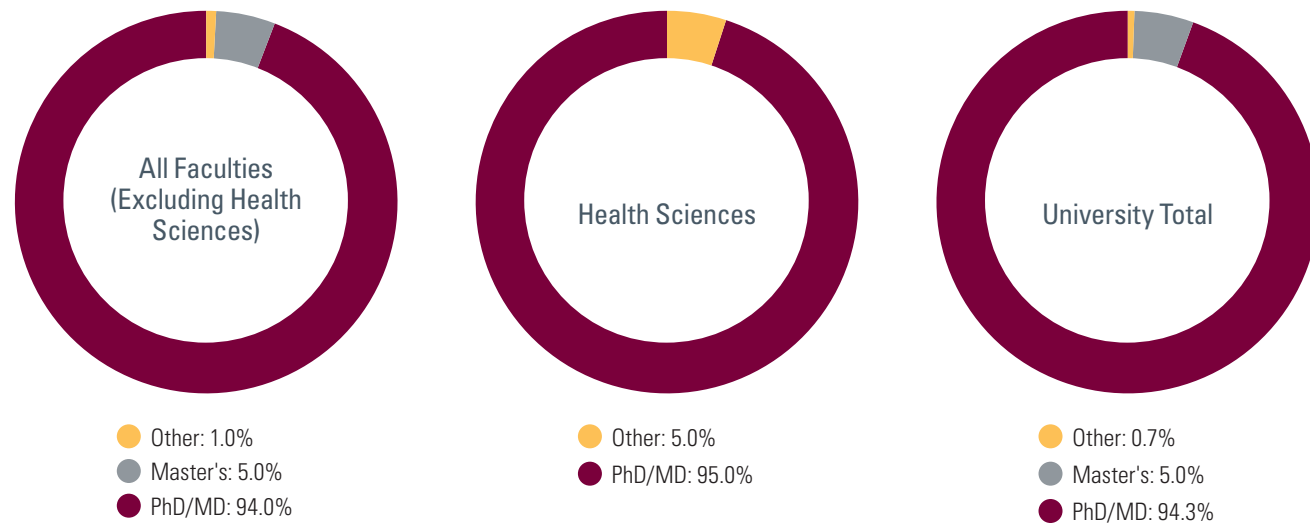
Note 1: Excludes clinician educators.
 Note 2: As of October 1st of each year and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Source: Human Resources

Highest Degree of Full-Time Faculty Members, 2021-2022

Faculty	% PhD/MD	% Master's	% Other
Business	86.6	11.0	2.4
Engineering	94.6	4.9	0.5
Humanities	91.4	7.8	0.8
Science	98.6	0.9	0.5
Social Sciences	92.8	5.8	1.4
Sub-total	94.0	5.0	1.0
Health Sciences	95.0	5.0	0.0
University Total	94.3	5.0	0.7

39.6% of full-time faculty were Females (Fall 2021).

Highest Degree of Full-Time Faculty Members (n=997)



Note 1: Departments for faculty members are based on their home departments. The report does not capture joint appointments.
 Note 2: As of October 1, 2021 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Source: Human Resources

94.3% of full-time faculty members have a PhD or MD.

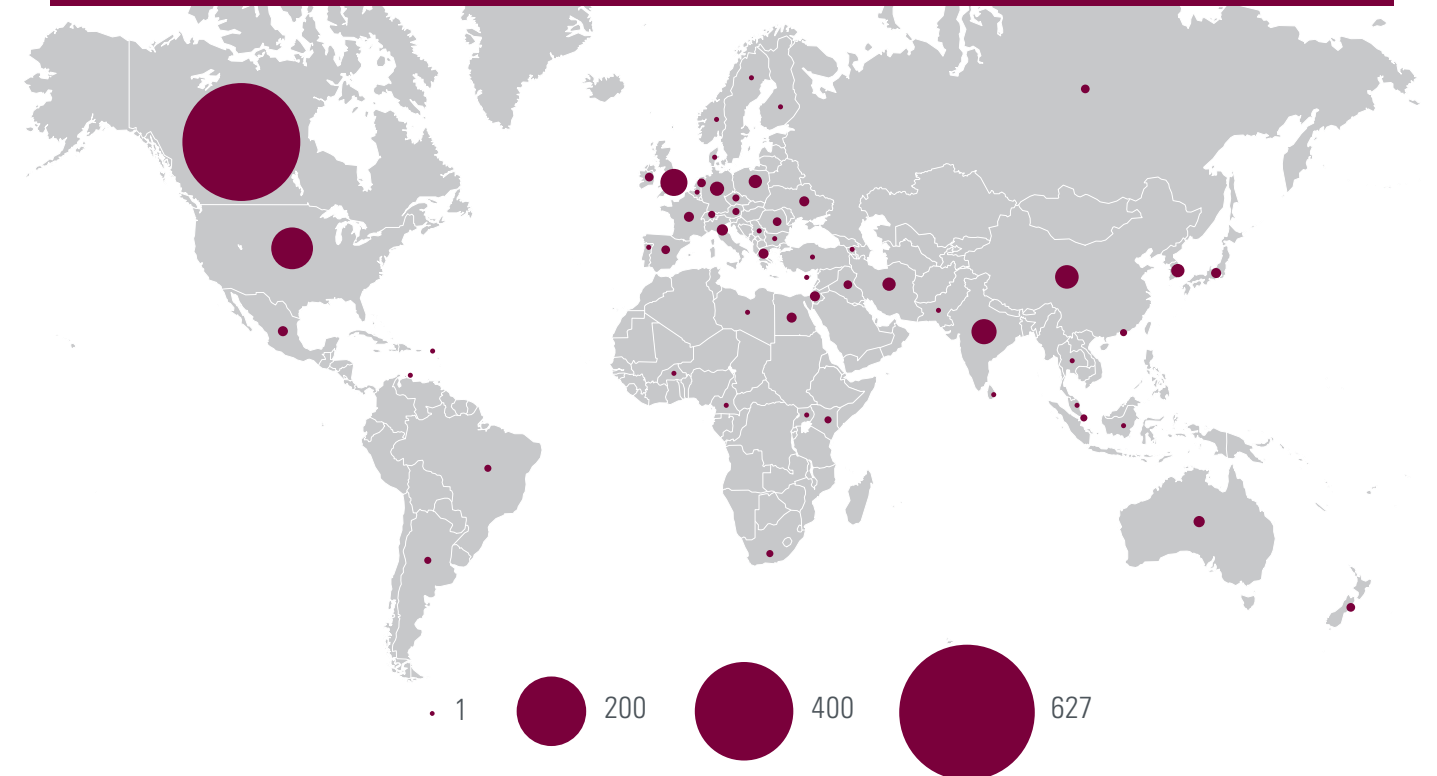
Country of Highest Degree Earned of Full-Time Faculty Members, 2021-2022

Faculty	Canada	U.S.A.	United Kingdom	Australia	Japan	All Other Countries
Business	45	29	2	1	0	5
Engineering	92	42	12	2	6	30
Humanities	65	33	7	0	0	11
Science	121	56	13	1	2	22
Social Sciences	70	39	12	0	0	17
Sub-total	393	199	46	4	8	75
Health Sciences	192	14	14	4	0	38
University Total	585	213	60	8	8	113

Note 1: Departments for faculty members are based on their home departments. The report does not capture joint appointments.
 Note 2: As of October 1, 2021 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
 Source: Human Resources

McMaster's full-time faculty members represented 54 countries (not including Canada)

Full-Time Faculty Member by Citizenship, 2021-2022



Note: Number of faculty are ranges of circle sizes. For example, number of faculty between 1 and 199 are circle sizes between the first and second circles in the legend



McMaster's world-class teaching and learning facilities and groundbreaking research are advancing human and societal health and well-being in our local and global communities



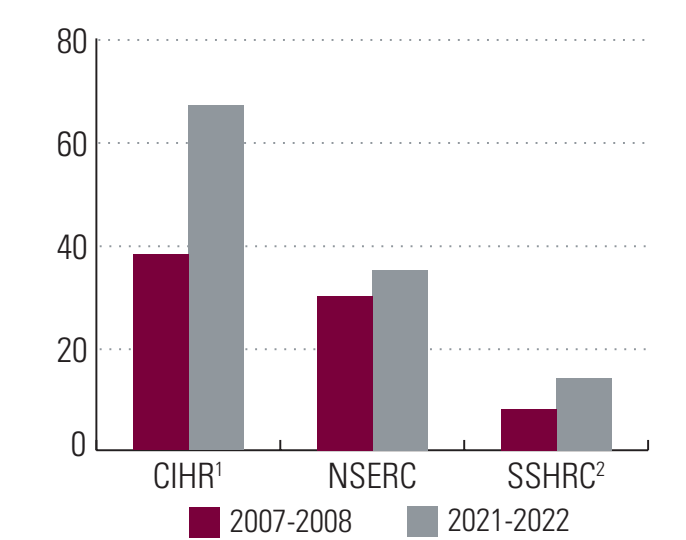
Research Grants

McMaster's estimated total research income for 2021/22 is \$369.4 million, including affiliated hospitals. (Note: final 2021/22 amounts were not available at the time of printing.)

Approximately \$116.4 million was received from the Tri-Agencies, including \$67.3 million from Canadian Institutes of Health Research (CIHR), \$34.8 million from Natural Sciences & Engineering Research Council (NSERC) and \$14.3 million from Social Sciences & Humanities Research Council (SSHRC).

For more information on research at McMaster, please visit: research.mcmaster.ca

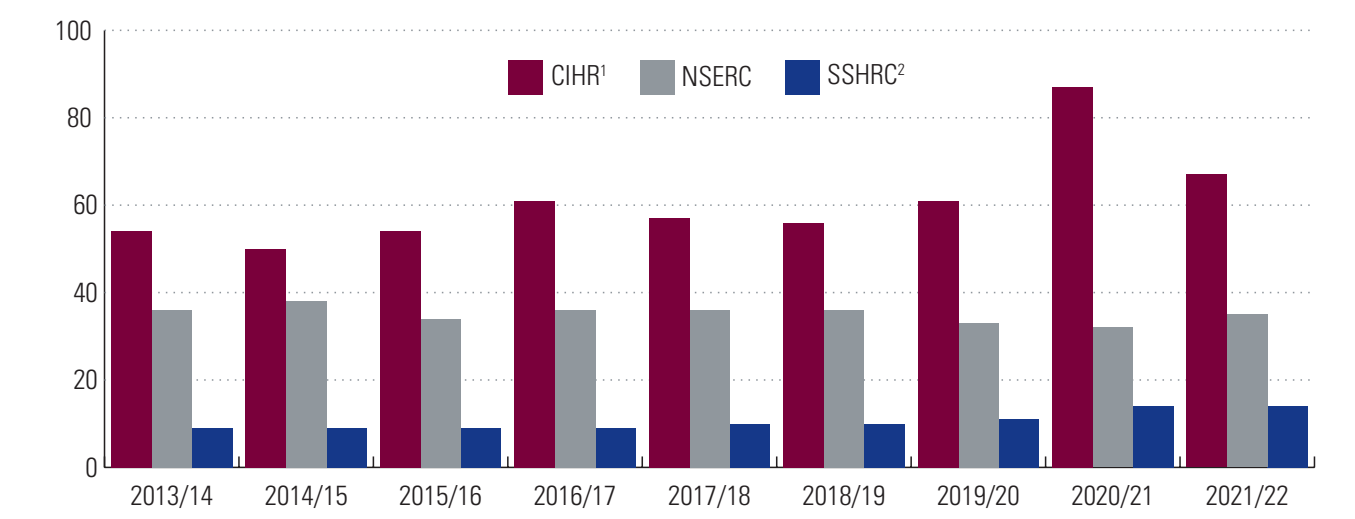
Tri-Agency Funding (\$), 2007-2008 vs 2021-2022 - \$ millions



Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre).
 Note 2: SSHRC includes Divinity College and funding from the New Frontiers in Research Fund (NFRF).
 Note 3: Data includes CRC and NCE.
 Source: Tri-Agency websites.

- CIHR awards include \$5.1 million to test whether a potent anti-inflammatory drug reduces the risk of heart failure and ischemic cardiovascular events, and identify new methods of treating heart failure, secondary to ischemic heart disease; \$4.6 million to study whether an anticoagulant reduces the risk of stroke and other adverse outcomes in patients who have a heart arrhythmia (perioperative atrial fibrillation) after noncardiac surgery; \$4.0 million to study one dose versus the standard two doses of steroids given for pregnancies at risk of preterm birth to mature babies' lungs; \$3.1 million to study the impact of the COVID-19 pandemic on the mental health and well-being of Canadian children and their families.
- \$3.7 million for six projects from the inaugural NSERC Alliance Missions competition, for research aimed at addressing critical science and technology challenges that can play a pivotal role in Canada's economy.
- \$1.5 million from NSERC and the CANDU Owners Group to advance the development and validation of methods for low dose radiation protection.

Tri-Agency Funding (\$), 2013-2014 to 2021-2022 - \$ millions



Tri-Agency Funding (\$)³

	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
CIHR¹	53,705,150	50,228,864	53,698,255	61,227,947	56,652,845	55,501,016	60,849,949	86,835,636	67,305,410
NSERC	35,555,120	38,444,093	34,160,786	36,129,199	35,858,817	35,952,905	32,560,718	31,902,679	34,816,728
SSHRC²	8,899,474	9,200,804	8,585,180	9,308,485	9,930,424	10,402,070	11,265,256	13,741,472	14,254,222
Total	98,159,744	97,873,761	96,444,221	106,665,631	102,442,086	101,855,991	104,675,923	132,479,787	116,376,360

Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre).
 Note 2: SSHRC includes Divinity College and funding from the New Frontiers in Research Fund (NFRF).
 Note 3: Data includes CRC and NCE.
 Source: Tri-Agency websites.

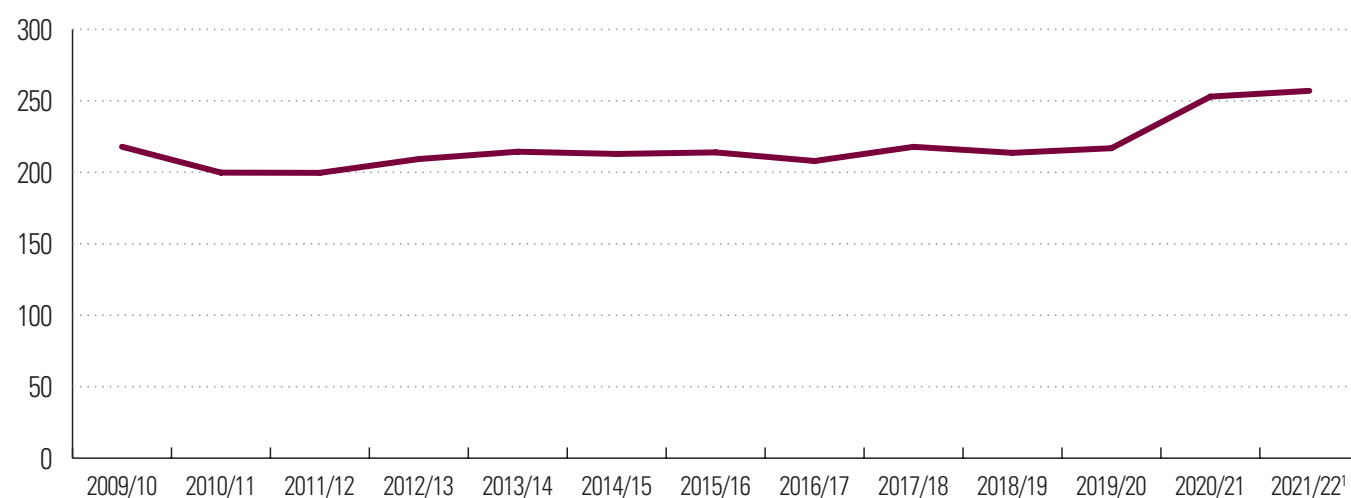
- \$1.0 million from NSERC and the University Network of Excellence in Nuclear Engineering (UNENE) to generate new experimental data and models needed for existing CANDU reactors as well as the emerging opportunities related to Small Modular Reactors, addressing safety analysis predictions and uncertainty assessments.
- \$23.0 million from the Ontario Ministry of Colleges and Universities (MCU) Ontario Research Fund—Research Infrastructure (ORF-RI) Large Infrastructure Fund (LIF) for four projects to build and expand infrastructure to bolster McMaster's nationally recognized strengths in materials research and healthy aging and train the next generation of highly qualified personnel. Funding will support the McMaster Nuclear Reactor, the Canadian Centre for Electron Microscopy (CCEM) and the Canadian Longitudinal Study on Aging (CLSA).
- \$9.0 million from the Government of Canada's New Frontiers in Research Fund (NFRF) Transformation Stream competition to investigate how workplaces can be redesigned to include persons with disabilities, including social aspects of employment, such as recruitment and advancement. The social innovation laboratory – Inclusive Design for Employment Access (IDEA) – will build up employer capacity to create more inclusive and accessible workplaces and employer confidence so they can meet the needs of diverse and talented candidates.
- \$749K from the Government of Canada's New Frontiers in Research Fund (NFRF) Exploration Stream competition to support high-risk, high-reward and interdisciplinary research.
- \$4.5 million from the Public Health Agency of Canada (PHAC) to support two projects related to posttraumatic stress disorder (PTSD) among health-care workers related to the COVID-19 pandemic.
- \$1.5 million from Health Canada to develop a formal palliative care program for long-term care homes in Canada that aims to address the major deficiencies of the existing care system witnessed during the pandemic.
- \$980K from the Ontario Ministry of Colleges and Universities (MCU) Early Researcher Awards (ERA) program to support seven young researchers.
- \$8.5 million from Mitacs for over 60 partnered projects supporting research internships, including a \$2.2 million partnership with Eaton for the development of more powerful and affordable electrified vehicles (EVs), including hybrid, battery, plug-in and fuel cell technologies, all of which will be critical in helping lower emissions, reduce fossil fuel usage and help mitigate climate change.

- \$12.2 million to the McMaster-based Canadian Longitudinal Study on Aging (CLSA) from the Weston Family Foundation for a new initiative that will shed light on factors that influence brain health as we age, including lifestyle and the human microbiome.
- \$1.5 million from Canada Mortgage and Housing Corporation to build a digital Affordable Housing Supply Monitor that will organize and analyze data on rental housing in an accessible manner.
- \$1.5 million from the Templeton World Charity Foundation to design and implement a digital tool for optimizing young people's relationship with social media.
- \$4.2 million from Accerta – an independent intake organization funded by the Government of Ontario – to advance the work of autism researchers in their efforts to support children and youth on the autism spectrum and their families access programs and services to meet their specific needs.
- \$2.0 million from Cubic Corporation to create the Centre of Excellence of Artificial Intelligence and Smart Mobility, which will allow researchers at the McMaster Automotive Resource Centre to design the future of inclusive mobility, address complex issues facing transportation systems and train the next generation by bringing diversity to product development and innovation.
- 2022 Canada Council Killam Prize for research in preventing and treating cardiovascular disease.
- 2022 Canada Gairdner Wightman Award for groundbreaking research in the treatment of patients in the intensive care unit.



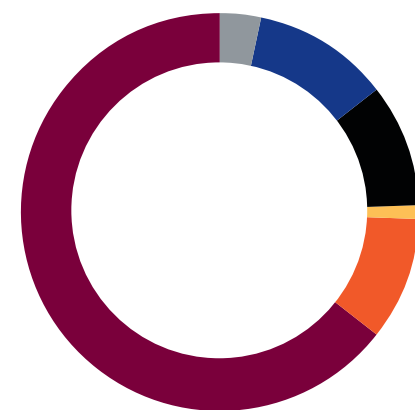
In September 2022, the McMaster Libraries welcomed back the first fully-in person student body since the pandemic closure.

McMaster Sponsored Research Income – \$ millions (Excluding Affiliated Hospitals), 2009-2010 to 2021-2022¹



Note 1: 2021/22 estimate from McMaster University Financial Affairs (September 2022)
Source: 2009/10 - 2020/21 Canadian Association of University Business Officers (CAUBO)

McMaster Sponsored Research Income – by Fund – approximately \$253M (Excluding Affiliated Hospitals), 2020-2021¹



- Other: 3.6%
- Not-for-profit: 11.1%
- Corporate: 9.8%
- Foreign: 1.1%
- Provincial/Municipal: 10.1%
- Federal: 64.3%

Acronyms:
 CIHR: Canadian Institutes of Health Research
 ERA: Early Researcher Awards
 NSERC: Natural Sciences & Engineering Research Council
 SSHRC: Social Sciences & Humanities Research Council
 ORF-RE: Ontario Research Fund – Research Excellence
 ORF-RI: Ontario Research Fund – Research Infrastructure

Note 1: Breakdown by sector not yet available for 2021-2022
 Source: Canadian Association of University Business Officers (CAUBO).
 Federal Support includes Tri-Agency awards, as well as funding from the Canadian Foundation for Innovation, Federal Government, Networks of Centres of Excellence, and Canada Research Chairs. Tri-Agency funding is awarded from CIHR, NSERC, and SSHRC.
 Provincial Funding includes support received from provincial government sources, including but not limited to Ontario Centres of Excellence, and Ontario Research Funds such as, ERA, ORF-RE, ORF-RI, etc.

Library

McMaster has four libraries on campus: Mills Memorial (Humanities and Social Sciences), Innis (Business), H.G. Thode (Science and Engineering), and the Health Sciences Library. The Innis Library is currently closed and will reopen in 2023 as part of the new McLean Centre for Collaborative Discovery. The libraries currently hold over 3.5 million titles in all formats and provide access to thousands of other resources. The libraries also provide a rich collection of online clinical tools to support learning, research and clinical care across McMaster's distributed campuses and collaborative teaching sites.

For more information on McMaster's libraries, please visit: library.mcmaster.ca

Collections as of October 2021	2017	2018	2019	2020	2021
Collections					
Print Books	1,269,112	1,276,908	1,275,182	1,278,295	1,280,080
E-Books (owned)	611,882	621,966	671,548	695,054	727,064
Multimedia (streaming video and audio)	13,556	14,929	21,197	55,182	64,564
Cartographic Materials	138,668	138,675	139,093	139,186	139,186
Music Scores	37,714	37,292	37,416	40,772	40,806
Manuscripts & Archives (linear metre)	5,403	5,425	5,457	5,484	5,490
Data bases	612	595	611	687	709
Journal Subscriptions					
Print	1,596	1,420	1,205	1,167	1,174
Electronic	88,664	96,512	117,779	123,004	144,955

The University Library opened a newly renovated Campus Accessible Tech Space (CATS) which offers unique services and resources for students registered with Library Accessibility Services.

- In September 2022, the McMaster Libraries welcomed back the first fully in-person student body since the pandemic closure. The libraries resumed a number of in-person support services including face-to-face instruction and reference services as well as maintaining the most popular virtual services launched in the past 3 years. The University Library opened a newly renovated Campus Accessible Tech Space (CATS) which offers unique services and resources for students registered with Library Accessibility Services. In the Health Sciences Library, researchers continue to connect remotely, inviting librarians to their virtual research tables and taking advantage of a robust article delivery service.
- Archives and Research Collections and the Bertrand Russell Archives resumed standard opening hours, welcoming students and researchers to interact with these collections without the restrictions necessary during the pandemic. The Archives Alive series of public events continued online, hosting the best-attended and most-viewed sessions since its inception while the Health Sciences Archives continues to offer virtual meetings alongside the recently re-instated in-person appointments. Acquisitions of both archives and rare books continued, with donations from authors Charlotte Gray and Jack Winter and additional archives from humanitarian, diplomat, and activist, Stephen Lewis and the Hamilton Academy of Medicine Archive.
- McMaster Library's digital collections continue to grow, with additions to MacSphere, McMaster's institutional repository, and newly digitized maps, films, books, and documents added to the Library's Digital Archive. Launched in 2020, transcription and georeferencing projects have enhanced the accessibility and searchability of many of our digitized collections.
- Notable e-resources added recently included the *Oxford Very Short Introductions*, *Accessible Archives African-American Newspapers*, and new e-book subscription and publisher collections which together provided access to over 200,000 academic e-books. Our participation in *HathiTrust* allowed McMaster faculty and students to access over 800,000 in-copyright books that the library owns in print. This emergency access continued until the libraries reopened their physical collections. Most health collections are available electronically. New collection areas in the Health Sciences Library include Indigenous health, black medicine, and social justice in health care delivery. The acquisition of alternative formats, including virtual reality and interactive decision-making tools, have become a priority.



The Museum added 62 pieces of art to its permanent collection in 2021, consisting of 40 paintings, 10 photo-based works, 10 sculptures and 2 installations.

Information Resource Expenditure (\$) as of Oct. 2022	2017	2018	2019	2020	2021
Expenditure	12,334,212	12,741,902	13,197,032	14,198,150	15,549,953

Summary of Library Personnel as of Oct. 2022	2017	2018	2019	2020	2021
Professional					
Professional Staff	33	31	33	32	33
Other Professionals	27	27	26	29	28
Support Staff	59	56	61	59	59
Casual Staff	16	16	16	16	14
Grand Total	134	130	134	136	134

Services	2017	2018	2019	2020	2021
Gate count	2,597,691	2,544,802	2,440,017	2,149,982	Note 1
Visits to website	2,973,388	2,909,822	2,404,850	1,820,845	1,580,449
Reference Transactions	18,513	19,073	21,507	23,171	11,575
Library Instruction Sessions/ Presentations	351	269	296	353	319
Participants	12,478	8,041	10,224	14,018	14,383

Note 1: The libraries were closed for in-person use due to the pandemic.

Museum of Art

The Museum's principal role is to support the academic mission of McMaster University and to contribute to the discourse on art in Canada. On campus, the Museum hosts exhibitions in collaboration with departments, wherein original research intersects with visual culture.

The Museum has produced innovative projects with a range of departments including: Psychology; Neuroscience and Behaviour; Physics and Astronomy; English and Cultural Studies; Theatre and Film Studies; and Indigenous Studies Program. In the community, the Museum produces projects with sister cultural institutions, including the Carnegie Gallery, Hamilton Arts Council, Mills Hardware and Super Crawl.

The Museum continues to contribute to the development of original research on campus in collaboration with McMaster departments including: Archaeological Sciences Institute and the Department of Medical Physics and Applied Radiation Sciences (on testing protocols for the elemental analysis of coins and works of art); Department of Family Medicine (on development and implementation of visual literacy courses for Health Care professionals); Indigenous Studies; School of the Arts; and, Department of Classics (on the classification and identification of antiquities and numismatics).

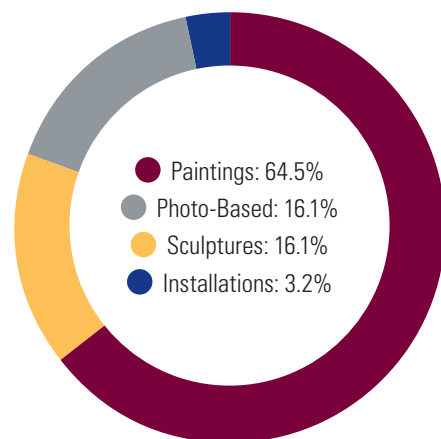
In January 2020, the Museum launched its 2020-2025 Strategic Plan, key among priority goals are disrupting the traditional museological narrative in collection, exhibition and education and public programs. To this end, the Museum's mission statement currently reads: *The McMaster Museum of Art is a meeting space for both the campus and the community situated within the traditional territories of the Mississauga and Haudenosaunee Nations. The Museum engages, educates and inspires through: growing an awareness of the interconnectivity of the past, present and future; advancing de-colonization; engaging in innovative and imaginative research; dismantling institutional and ideological boundaries; partnering and collaborating intentionally; diversifying the collection; and building capacity.* As part of the Museum's commitment to decolonial work, in 2020 the Museum launched the first ever BIPOC Cultural Administrators Mentorship Program in Canada.

For more information on the Museum of Art, please visit: museum.mcmaster.ca

In 2021, the permanent collection held by the Museum of Art consisted of 6,476 works of art valued at over \$110 million. The collection includes works from the following: Impressionist, Post-Impressionist and Modern art; German Art of the 20th century; European Old Master works from the 16th to 18th centuries; 20th Century European Art; Canadian Art; Inuit Art and Contemporary Indigenous Art.

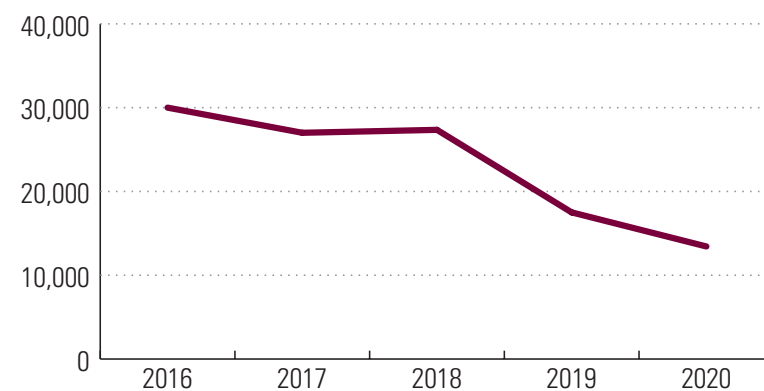
Permanent Collection Growth, 2017-2021	2017	2018	2019	2020	2021
New Acquisitions					
Paintings	8	15	0	1	40
Works on Paper	8	332	36	11	
Sculpture	1	18	1	12	10
Photo-Based Works					10
Installations					2
Total New Acquisitions	17	365	37	24	62
Permanent Collection	5,988	6,353	6,390	6,414	6,476

New Acquisitions, 2021 (n=68)



Source: McMaster Museum of Art

Annual Attendance as of April 30th, 2016-2020



Note: The Museum was closed for the entire 2021 year due to the COVID-19 pandemic. All programming was presented on-line, including: 3 virtual exhibitions, 4 public art installations, presented 8 new programs to 4 community groups, 9 school groups and 13 campus groups.

Attendance as of April 30th	2016	2017	2018	2019	2020
Attendance	30,000	27,000	27,350	17,500	13,433

Note: The Museum was closed for a 5-month period in 2019, for an environmental system refurbishment. As such, both attendance figures (real and virtual) as well as acquisition numbers are low for the year. The Museum was also closed for a 10-month period in 2020 due to the COVID-19 pandemic.

Social Media statistics for 2020 are as follows: 43,379 website views; eMuseum, 30,119 page views; Twitter Followers, 3,338; Facebook Fans, 2,577; Instagram Followers, 2,241; YouTube Channel views, 69,200; and an active Geocache community.



McMaster University was founded in 1887 and is governed by the McMaster University Act, 1976.

Governance

Current President

- Dr. David Farrar, 8th President (2019 - present)

Previous Presidents

- 1950*-1961: George P. Gilmour
- 1961-1972: Henry G. Thode
- 1972-1980: Arthur N. Bourns
- 1980-1990: Alvin A. Lee
- 1990-1995: Geraldine A. Kenney-Wallace
- 1995-2010: Peter J. George
- 2010-2019: Patrick Deane

* Please note that from 1888-1949, the head of McMaster was both the President and Chancellor. However, in 1950, McMaster changed its policy and created both a Chancellor and a President (who is also the Vice-Chancellor) position.

Current Chancellor

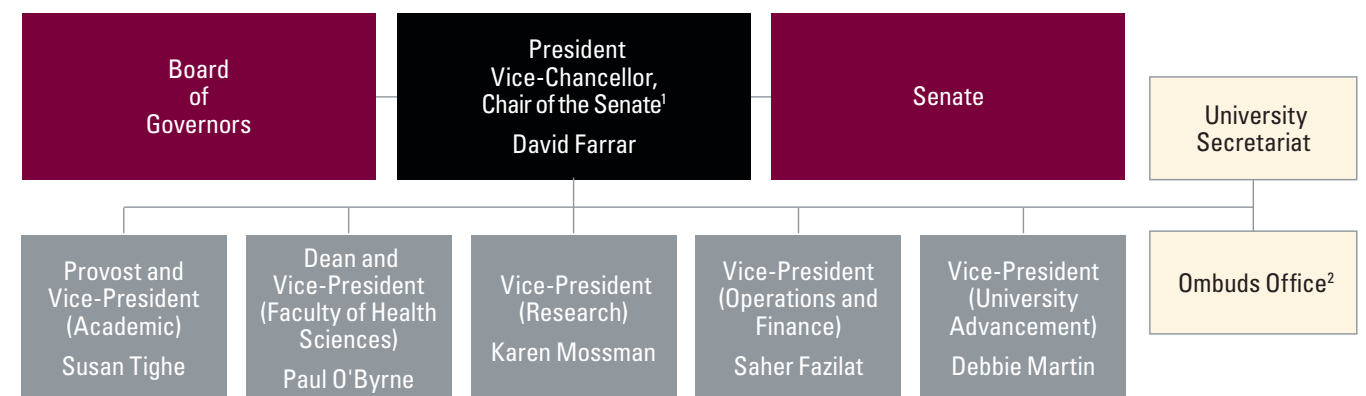
- Santee Smith, 19th chancellor (2019 - present)

Previous Chancellors

- 1888-1890: Malcolm MacVicar
- 1890-1892: Chairman Dr. Rand & Dr. Goodspeed while looking for a new Chancellor
- 1892-1895: Theodore Harding Rand
- 1895-1905: Rev. Oates C.S. Wallace
- 1905-1911: Alexander C. McKay
- 1911-1922: Abraham L. McCrimmon
- 1922-1941: Howard P. Whidden

- 1941-1949: George P. Gilmour
- 1949-1950: George P. Gilmour (President and Chancellor)
- 1950-1955: E. Carey Fox
- 1955-1960: Roy L. Kellock
- 1960-1965: Charles P. Fell
- 1965-1971: D. Argue C. Martin
- 1971-1977: Lawrence T. Pennell
- 1977-1986: H. Allan B. Leal
- 1986-1992: John H. Panabaker
- 1992-1998: James H. Taylor
- 1998-2007: Melvin M. Hawkrigg
- 2007-2013: Lynton Ronald (Red) Wilson
- 2013-2019: Suzanne Labarge

Organization Chart of McMaster University, 2022



Note 1: The Chancellor is omitted since the President and Vice-Chancellor is designated as the Chief Executive Officer by Bill PR. 7, An Act Respecting McMaster University, passed by the Ontario Legislature on April 13, 1976.

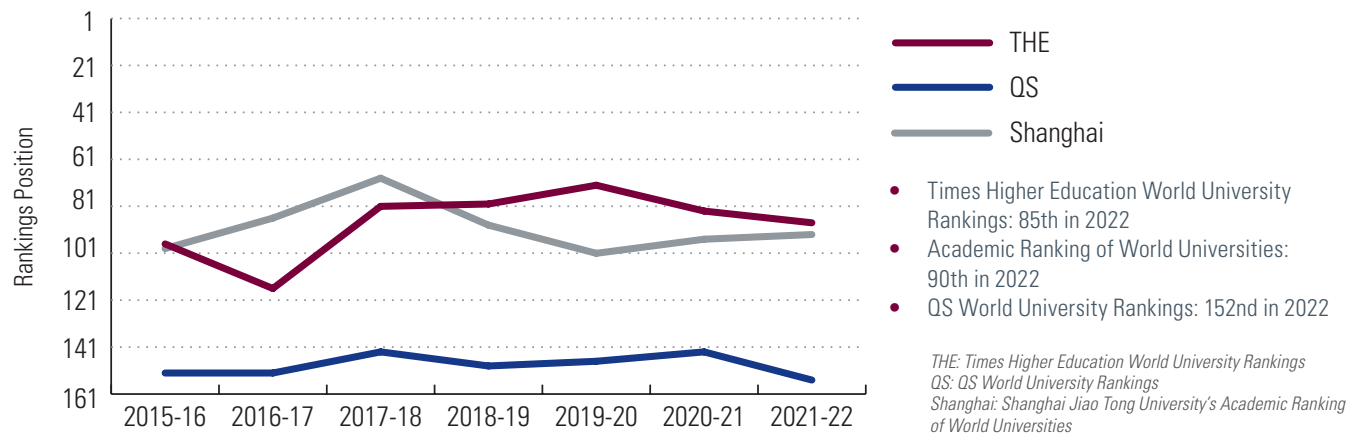
Note 2: The Ombudsperson reports to the President of the University and the President of the McMaster Students Union.

McMaster consistently ranks second in Ontario in the three major rankings. (THE, QS, Shanghai)

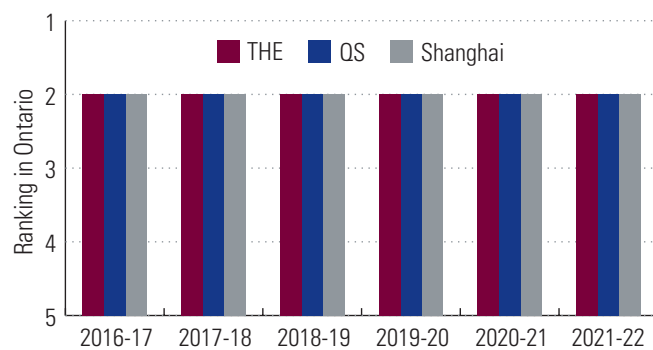


Rankings and Reputation

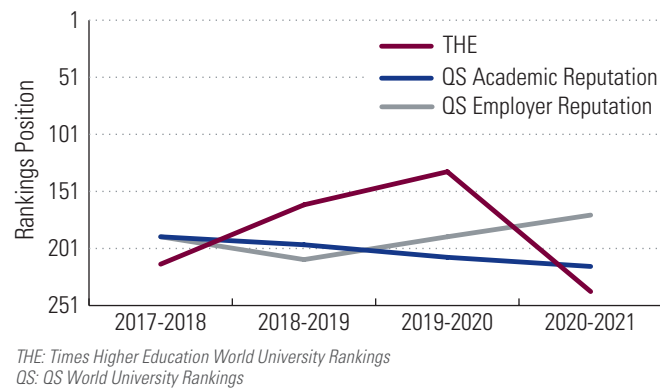
McMaster Rankings



McMaster Rankings in Ontario



McMaster Reputation Rankings



THE Impact Rankings

McMaster ranked 37th in the world in Times Higher Education's University Impact Ranking. The Ranking was developed to measure institutions' success in delivering the United Nations' Sustainable Development Goals (SDGs).



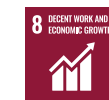
SDG 3 – Good Health and Wellbeing – 6th globally, 1st in Canada

McMaster University, through several programs and global networks, have formed partnerships with local and global institutions to advance human and societal health. Many initiatives and outreach programs involving McMaster students, faculty and/or staff focus on issues including poverty, disease, education to the community, wellness and the environment. Through a variety of wellness programs and services, sexual and mental health support are also available to McMaster students and staff as part of its strategy for good health and wellbeing.



SDG 5 – Gender Equality

McMaster University is highly successful in attracting woman students, who in recent years outnumber male students in undergraduate programs. Dedicated to providing increased access and to all under-represented groups, access schemes, mentoring, scholarships and targeted support and services are offered to assist them to succeed in their pursuit of higher education and in the workplace.



SDG 8 – Decent Work and Economic Growth – 22nd globally, 2nd in Canada

The lowest salary for the lowest pay grid for any employee at McMaster University is significantly higher than the advocated living wage for Hamilton, where the University is located. Employees at McMaster University belong to one of many groups, including labour unions and employee associations. Named as one of Canada's Best Diversity Employer, McMaster's pay structures are in keeping with principles of pay equity and it is committed to fostering a respectful and inclusive organizational culture, free of discrimination and harassment in the workplace.



SDG 10 – Reduced Inequalities – 14th globally, 2nd in Canada

McMaster is a historic campus located on 350 acres within the city of Hamilton in Ontario, Canada. The campus is part of a trail system and is open to the public 365 days a year. Located on the campus are a wide collection of public art, historic buildings, and botanical collections, which are freely available to the public. Multiple programs exist to encourage student, faculty, staff and visitors to access the campus through sustainable practices.



SDG 17 – Partnership for the Goals

McMaster University has actively engaged in policy development, cross-sectoral dialogue and international collaborations and research concerning the SDGs. McMaster's involvements include student volunteer programs, research programs and the development of educational resources.



McMaster was named one of Hamilton-Niagara's Top Employers for 2021.



Staff

At McMaster, we recognize that our people are our most valuable resource. Our employees are vital contributors to McMaster's renowned culture of creativity, innovation and discovery.

McMaster University offers our staff the opportunity to work alongside leading researchers and our future world leaders, as we help to advance knowledge, find solutions to global challenges and make the world a better place. We provide employees with competitive salaries and benefits that encourage health, well-being and lifelong-learning within a work environment that is safe, respectful and inclusive.

McMaster University provides a collaborative work community, where ongoing networking, information sharing and idea development is strongly encouraged. Numerous committees lead annual events which help to promote a positive work atmosphere and build community. Examples include, ConnectMe events, Inspiring from Within Conference, McMaster Children's Party, Holiday Open House, Ice Cream Social, Take your Kids to Work programming, and numerous department sponsored events.

For more information, please visit: workingatmcmaster.ca

As of April 15, 2022, McMaster University had 14,855 employees (excluding McMaster University Faculty, Clinical Faculty and Senior Academic Librarians).

HAMILTON-NIAGARA'S TOP EMPLOYERS FOR 2021

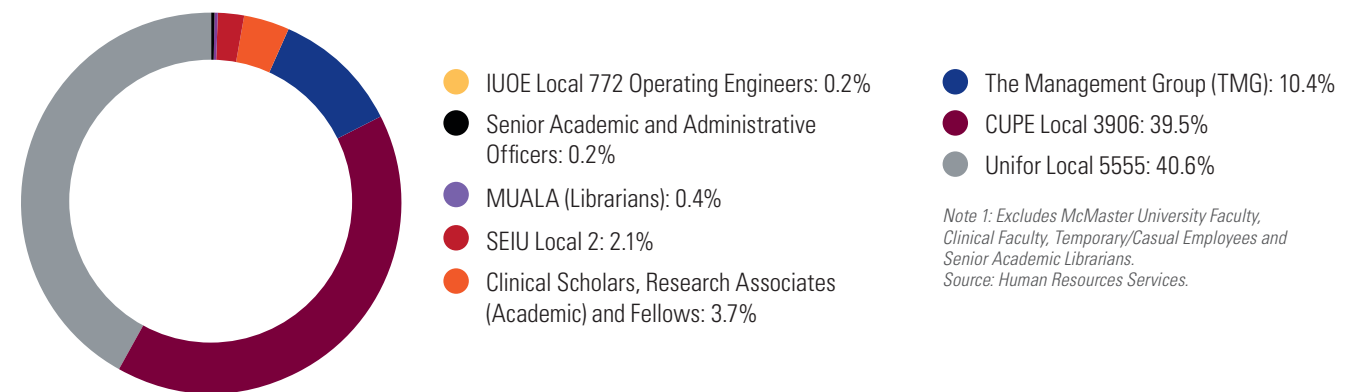
McMaster University was named one of Hamilton-Niagara's Top Employers for 2021. This was the sixth time that McMaster had submitted an application to this rigorous competition. More than 70 staff members from across all areas of the University – administrative, operational, academic – collaborated on our winning submission. [Hamilton-Niagara's Top Employers](#) is an annual competition organized by the editors of Canada's Top 100 Employers. This special designation recognizes the Hamilton-Niagara employers that offer exceptional places to work. Employers must complete an extensive application, which includes eight categories: Physical Workplace; Work Atmosphere & Social; Health, Financial & Family Benefits; Vacation & Time Off; Employee Communications; Performance Management; Training & Skills Development; and Community Involvement.

Employee Count, as of April 15, 2022¹

Employee Groups ²	Count
Unifor Local 5555:	3,291
Unit 1: Non-Academic Administrative, Professional and Technical	2,965
Unit 3: Parking & Transit	9
Unit 4: Special Constables	21
Unit 5: Operations & Maintenance and Casual Cleaners	296
CUPE Local 3906:	3,427
Unit 1: Teaching Assistants	2,886
Unit 2: Sessional Faculty and Sessional Music Faculty	370
Unit 3: Postdoctoral Fellows (Non-HSc)	171
IUOE Local 772:	12
Operating Engineers	12
SEIU Local 2:	173
Hospitality Services and PT Satellite	171
Machinists	2
MUALA (Librarians)	35
The Management Group (TMG)	841
Senior Academic and Administrative Officers	20
Senior Academic Officers	4
Senior Administrative Officers	16
Clinical Scholars, Research Associates (Academic) and Fellows	300
Temporary Staff	6,756
Total	14,855

Note 1: Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians.
Source: Human Resources Services via the McMaster BI Dashboard.

Staff Count by Employee Classification, excluding Temporary, as of April 15, 2022



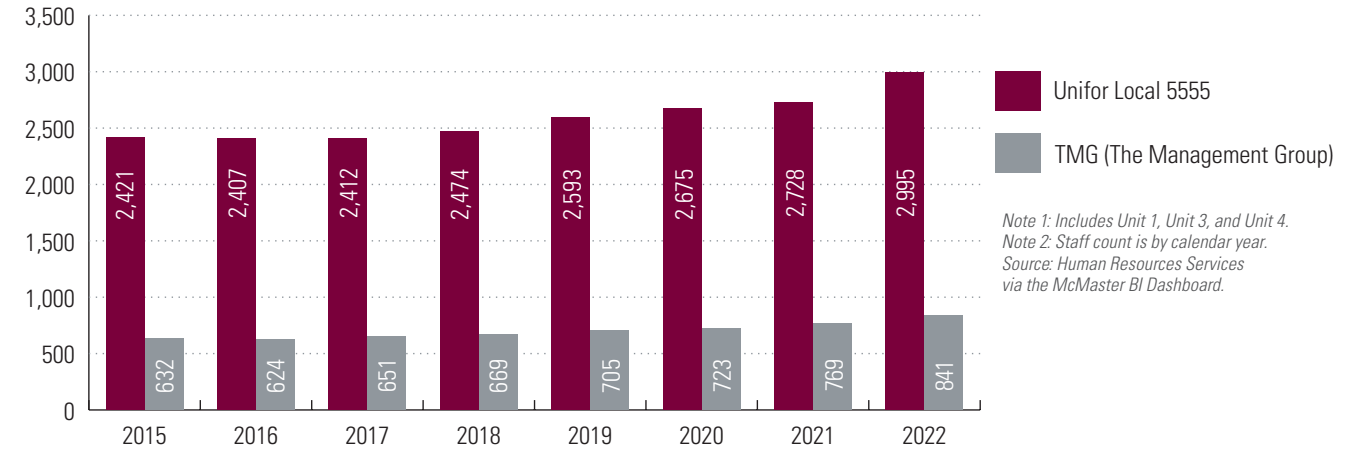
The average age of McMaster employees is 43 years. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

The average years of service of McMaster employees is 10 (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

Employee Groups	Average Years of Service	Average Age
Unifor Local 5555:	10	43
Unit 1: Non-Academic Administrative, Professional and Technical	9	42
Unit 3: Parking & Transit	4	26
Unit 4: Security	4	38
Unit 5: Operations & Maintenance and Casual Cleaners	10	49
IUOE Local 772:	10	49
Operating Engineers	10	49
SEIU Local 2:	10	48
Hospitality Services and PT Satellite	10	48
Machinists	8	48
MUALA (Librarians)	12	43
The Management Group (TMG)	11	45
Senior Academic and Administrative Officers	17	56
Senior Academic Officers	17	61
Senior Administrative Officers	17	55
Total	10	43

Note 1: Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows.
Source: Human Resources Services via the McMaster BI Dashboard.

Staffing Complement for Unifor¹ and TMG, April 2015-2022^{2,3}



Employees Attaining Long Service Milestones in 2022 (n=488)



Six employees attained the 40 year long service milestone in 2022. 41 employees were inducted into the Quarter Century Club in 2022.

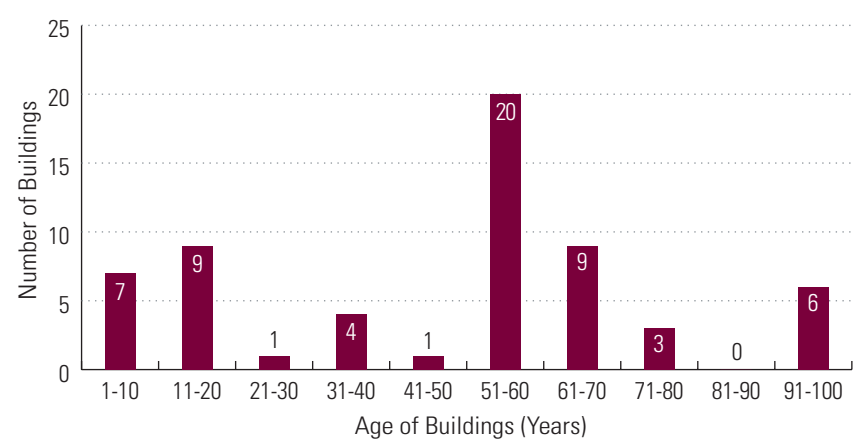


McMaster University has 12 on-campus residence buildings. A total of 3,780 bed spaces are available, with 3,658 spaces reserved for incoming first-year under-graduate students.

Campus Facilities

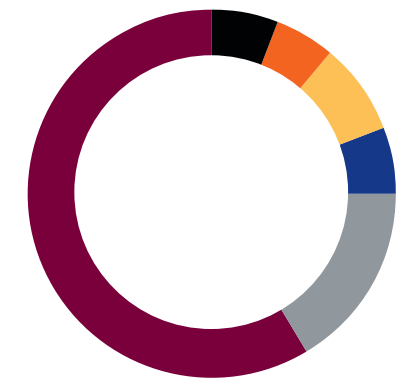
McMaster's main campus is located near the west end of Lake Ontario and is within a short distance of Cootes Paradise, Bruce Trail, Niagara Escarpment, Waterfront Trail, Royal Botanical Gardens, and Hamilton Conservation Authority. McMaster's campus encompasses an area that is 152.4 hectares. For more information on McMaster's space, please visit: facilities.mcmaster.ca

Number of Buildings by Age



Categories included in Teaching and Research: Classroom Facilities, Academic Departmental Offices & Related, Health Science Clinical Facilities, Central Services, Audio-Visual/Television Facilities, Animal Space, Laboratory – Instructional, Laboratory – Research.
Categories included in Student Services: Recreation/Athletic Space, Food Service, Bookstore and other Merchandising Facilities, Health Service Facilities
Categories included in Miscellaneous: Plant Maintenance, Assembly and Exhibition Facilities, Common Use and Student Activity, Other University Facilities.
Source: Space Database

Assigned Space (Total = 436,909 NASM)



Total gross area of buildings on-campus amounts to 684,402 m². McMaster devotes most space to the Teaching and Research category (58%).

McMaster University Significant Facilities					
Bldg. No.	Building Name ¹	Primary Usage	Year	Net Area (Sq.M.) ²	No. of Rooms
1	University Hall	Administration	1929	3,669	187
2	Hamilton Hall	Teaching and Research	1929	3,758	160
4	Refectory	Hospitality	1929	1,516	92
5	Edwards Hall Residence	Residence	1929	1,930	226
6	Wallingford Hall Residence	Residence	1929	1,835	177
7	Alumni House	Administration	1929	487	46
8	Alumni Memorial Hall	Hospitality	1949	1,071	49
9	Nuclear Research Building	Teaching and Research	1950	5,020	262
10	Mills Memorial Library	Library	1950	19,620	435
11	C.E. Burke Science Building	Teaching and Research	1953	15,379	438
12	E.T. Clarke Centre	Central Plant	1954	4,618	99
15	Nuclear Reactor	Nuclear Research	1957	1,648	56
16	John Hodgins Engineering Building	Teaching and Research	1958	22,851	694
17	Divinity College	Teaching and Research	1959	3,002	122
18	Moulton Hall Residence	Residence	1959	4,807	261
19	Whidden Hall Residence	Residence	1959	5,594	297
20	Gilmour Hall	Administration	1959	7,467	297
22	General Sciences Building	Teaching and Research	1962	4,778	224
23	Chester New Hall	Teaching and Research	1964	6,913	298
24	Ivor Wynne Centre	Athletics and Recreation	1964	17,597	407
25	A.N. Bournes Building	Teaching and Research	1968	28,788	776
26	Matthews Hall Residence	Residence	1964	4,867	310
27	McKay Hall Residence	Residence	1964	6,003	328
28	Commons Building	Hospitality	1965	4,659	149
29	Togo Salmon Hall	Teaching and Research	1965	11,654	423
30	Biology Greenhouse	Teaching and Research	1967	702	34
31	Campus Services Building	Administration	1968	4,519	94
32	Tandem Accelerator Building	Teaching and Research	1966	2,827	96
33	Applied Dynamics Laboratory	Teaching and Research	1967	1,773	75
34	Psychology Building	Teaching and Research	1970	8,098	392
35	Woodstock Hall Residence	Residence	1968	5,039	309
36	Brandon Hall Residence	Residence	1968	9,206	607
37	Health Sciences Centre ³	Healthcare / Teaching and Research	1970	48,982	1244
38	Kenneth Taylor Hall	Teaching and Research	1971	10,028	450
39	Life Sciences Building	Teaching and Research	1970	8,769	320
40	Bates Residence	Residence	1971	13,514	2139
42	H.G. Thode Library	Library	1976	7,752	97
43	Communications Research Laboratory	Teaching and Research	1983	2,480	131
45	Hedden Hall Residence	Residence	1989	8,327	504
46	DeGroote School of Business	Teaching and Research	1990	6,855	358
48	Institute for Applied Health Sciences ³	Teaching and Research	2000	8,914	241
49	Information Technology Building	Teaching and Research	1955	10,311	288
50	Mary E. Keyes Residence	Residence	2002	11,252	1086

McMaster University Significant Facilities (continued)					
Bldg. No.	Building Name ¹	Primary Usage	Year	Net Area (Sq.M.) ²	No. of Rooms
51	McMaster University Student Centre	Student Services / Conference	2002	12,388	364
52	M.G. DeGroote Centre for Learning and Discovery	Teaching and Research	2004	24,976	585
53	Les Prince Hall Residence	Residence	2006	8,239	634
54	David Braley Athletic Centre	Athletics and Recreation	2007	12,918	204
55	Ron V. Joyce Stadium	Athletics and Recreation	2008	3,719	90
56	Engineering Technology Building	Teaching and Research	2009	12,280	323
57	(Ron Joyce Centre)	Teaching and Research	2010	7,978	264
58	(MIP McMaster Automotive Research Centre) ³	Teaching and Research	2013	5,143	99
59	(MIP Atrium Building) ³	Mixed-Use Workspace	2009	5,413	24
74	L.R. Wilson Hall	Teaching and Research	2016	15,026	487
82	(Bertrand Russell Archives and Research Centre) ⁴	Archives / Research	2015	462	33
83	(David Braley Health Sciences Centre) ³	Healthcare	2015	14,197	549
85	(One James North) ⁴	Administration / Continuing Education	2015	4,430	204
89	Peter George Centre for Living and Learning	Teaching / Residence	2019	25,734	1141
90	(Halton McMaster Family Health Centre) ⁴	Healthcare	2013	791	57
113	T13	Teaching	1967	2,015	45
126	T26	Hospitality Services	1989	184	8
131	(Stonechurch Family Health Centre) ⁴	Healthcare	2017	1,329	59
132	T32	Administration	2013	500	14
133	T33	McMaster Children's Centre	2013	631	25
134	T34	Media Production Services	2019	425	10

Note 1: Building Names noted in parentheses indicate that a building is located off-site (i.e. not part of the 1280 Main St. West campus)
 Note 2: Net Area is the total useable floor area within a building and includes both assignable areas (i.e. classrooms, labs, offices, etc.) and non-assignable areas (i.e. utility space, circulation, etc.)
 Note 3: The Net Area and No. of Rooms of this building include only space occupied by the University as the building is shared with non-university tenants
 Note 4: The Year of this building indicates the year the building was acquired or leased rather than the year it was built; these are excluded from the Number of Buildings by Age graph
 Source: Space Database

The approved Campus Accessibility Action Plan (CAAP) now invests \$337,000 annually for accessibility-related improvements to McMaster buildings. The CAAP Phase 1 ran from 2012-2013 through to 2016-2017. Phase 2 of CAAP (2018-2023) is underway.

- In partnership with Knightstone Capital, a new Graduate Residence will support student recruitment and retention and will also further enhance the student experience at McMaster. A total of 630 new graduate student beds and 265 parking spaces will be housed in a 30-storey building located in downtown Hamilton. This project's integrated parking structure has been designed to meet the needs of the building and provide public parking in the downtown core. Construction of the building is underway and is anticipated to be ready for staged occupancy in late 2023.
- Construction is currently underway on a new greenhouse and the Phase One LSB renovation. This \$24.4 million project involves the addition of a new Greenhouse to the west side of LSB, adjacent to University Ave. and demolition of the existing Greenhouse. This project is Phase 1 of the LSB renewal project and includes renewal of LSB level 1 and interior renovations throughout the building. This project will also include geothermal system.

McMaster University has over 227,000 alumni around the world, as of August 2022.



Alumni

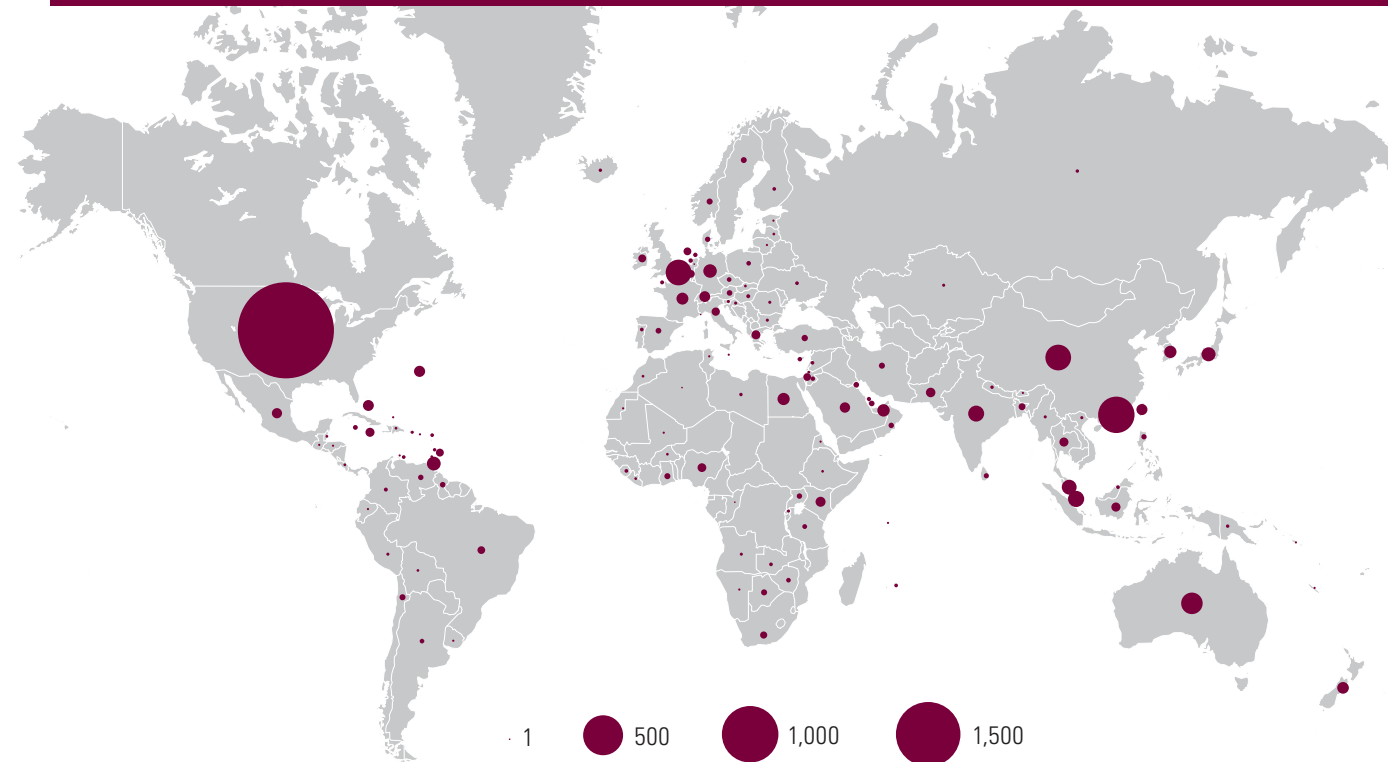
McMaster's alumni numbers continue to grow at a steady rate, and the overall demographic makeup is also changing, with graduates within the last 15 years comprising the largest group. They are tech-savvy and transient – both of which require new and innovative approaches to alumni programming and engagement. More than 6000 graduates join our alumni community each year.

For more information McMaster alumni, please visit: alumni.mcmaster.ca

Total Number of Alumni ¹ , as of August, 2022			
Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,497	1,776	2,038
Business	16,795	20,844	24,602
Continuing Education	6,131	6,646	8,282
Divinity	668	811	1,432
Engineering	20,602	25,068	27,771
Health Sciences	21,783	25,104	28,326
Humanities	17,454	22,179	31,043
Science	32,419	38,898	47,497
Social Sciences	31,536	39,146	53,551
Other ³	134	198	2,486
Total	149,019	180,670	227,028

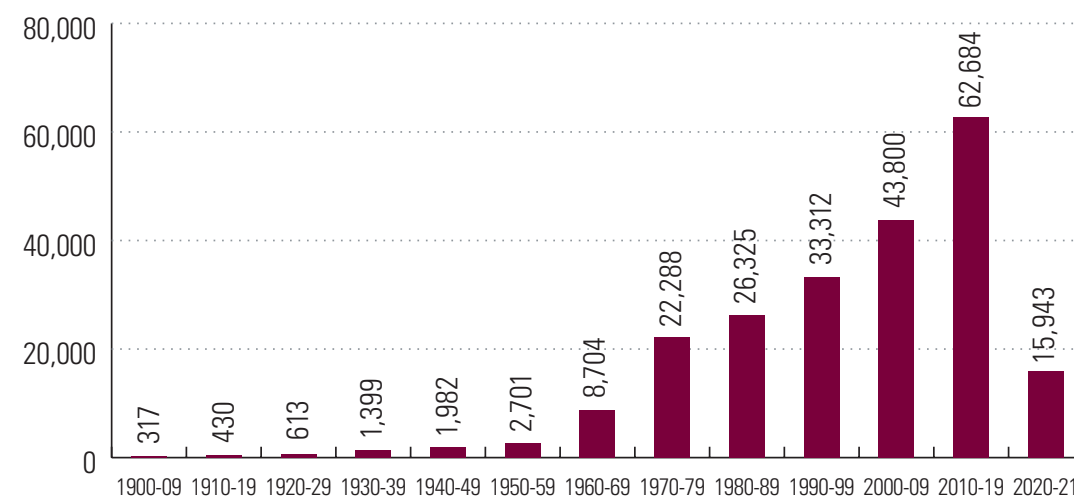
Note 1: Living Alumni includes lost and removed by request
 Note 2: Active Alumni means known contact information.
 Note 3: Faculty or program of graduation is unknown.
 Source: University Advancement

Active International Alumni Residence by Country, as of August 2022



The Alumni mission is to support McMaster by involving alumni, recognizing alumni achievements, providing services and benefits to alumni, communicating with alumni, and involving current students.

Number of Graduates by Decade



50%
of alumni have graduated in the past 20 years

Active International Alumni Residence by Country, as of August 2022

Country	Alumni	Country	Alumni	Country	Alumni	Country	Alumni
Afghanistan	2	England	488	Ivory Coast	1	Singapore	170
Angola	5	Estonia	2	Malaysia	138	Slovak Republic	3
Antigua	5	Ethiopia	4	Mauritius	6	Slovenia	4
Argentina	9	Falkland Islands	2	Mexico	64	Solomon Islands	1
Aruba	1	Finland	7	Morocco	5	South Africa	26
Australia	312	France	81	Nepal	3	South Korea	103
Austria	15	Germany	115	Netherlands Antilles	6	Spain	18
Azerbaijan	1	Guam	1	New Zealand	80	Sri Lanka	12
Bahamas	62	Ghana	19	Nigeria	47	St. Lucia	3
Bahrain	8	Grand-Duche Du Luxembourg	11	Northern Ireland	17	Sweden	22
Bangladesh	33	Greece	47	Norway	19	Switzerland	62
Barbados	34	Guatemala	1	Oman	16	Taipei	1
Belgium	37	Guyana	15	Pakistan	61	Taiwan	65
Belize	1	Holland	7	Palestine	2	Tanzania	12
Bermuda	69	Honduras	1	Panama	1	Thailand	48
Bhutan	1	Hong Kong	830	Papua New Guinea	3	The Netherlands	34
Bolivia	2	Hungary	7	People's Republic of China	1050	Trinidad & Tobago	101
Botswana	20	Iceland	4	Peru	3	Tunisia	1
Brazil	33	India	322	Philippines	16	Turkey	25
British Indian Ocean Territories	2	Indonesia	47	Poland	11	Turks and Caicos Islands	2
Brunei	5	Iran	27	Portugal	3	Uganda	14
Bulgaria	3	Isle of Man	1	Puerto Rico	2	Ukraine	5
Burkina Faso	2	Israel	30	Qatar	27	United Arab Emirates	126
Burma	3	Italy	38	Republic of Croatia	3	United Kingdom	47
Cayman Islands	15	Jamaica	37	Republic of Ireland	34	United States of America	6,702
Channel Islands	6	Japan	125	Republic of Korea	15	Uruguay	1
Chile	19	Jordan	11	Romania	4	Vatican City	1
Colombia	13	Kazakhstan	3	Russia	12	Venezuela	12
Costa Rica	3	Kenya	53	Rwanda	3	Vietnam	12
Cyprus	8	Kuwait	15	Saint Kitts & Nevis	2	Wales	12
Czech Republic	7	Latvia	3	Saudi Arabia	108	Western Sahara	1
Denmark	12	Lebanon	5	Scotland	56	Zambia	6
Dominican Republic	1	Liberia	2	Serbia/Montenegro	7	Zimbabwe	9
Ecuador	1	Libya	5	Seychelles	1		
Egypt	96	Macau	14	Sierra Leone	4	Total	12,117

Source: University Advancement

Notable Alumni

Nobel Laureate in Economic Sciences		Order of Canada	
Myron Scholes		Lincoln Alexander	Andrew Bandrauk
Nobel Prize in Physics		L. Ross C. Barclay	Gregory Baum
Donna Strickland		Mohit Bhandari	Harry Black
Rhodes Scholars		Darleen Bogart	Roberta Bondar
Karen Bakker	John Baldwin	Peter Calamai	Neena Chappel
Ralph Bellamy	Sheiry Dhillon	Jan Christilaw	Deborah Cook
Ralph Freeman	Dr. Maureen Hogan	Gary Dault	Patricia Demers
Eric Hoskins	H. Allan Leal	Thomas Dignan	Alba DiCenso
Morden Long	Bert MacKinnon	Laura Dodson	Howard Engle
James H. Taylor	George Rawlyk	Arthur Fogel	R. Roy Forster
Christopher Philip Rose		Jack Gauldie	Merik Gertler
Distinguished Alumni Award Recipients		Allan Gillmore	Frank Hawthorne
Salehuddin Ahmed	Richard Bader	Clyde Hertzman	Eric Hoskins
Brian Bloom	Leonard Blum	Virendra Jha	Harold Johns
Harold Brathwaite	Martyn Burke	Kenneth Kernaghan	Bartha Knoppers
Jan Christilaw	Gordon Clark	Roslyn Kunin	Mary Law
Margaret Clark	Douglas Coleman	Eugene Levy	Kevin Lynch
Patricia Demers	Russell Donnelly	Margaret Lyons	Harriet MacMillan
Marianne Ferber	Jaffrey Firestone	Patricia Mandy	Anne Martin-Matthews
Jack Gauldie	Norman Glendenning	John Mighton	Heather Munroe-Blum
William Grant	Martin Green	Samantha Nutt	Jack Pelech
Anthony Griffiths	Calvin Harley	Michael Phillips	Dorothy Pringle
Marjorie Harris	John Hartman	Ivan Reitman	Martin Short
Paul Hoffman	Eric Hoskins	Peter Smith	Richard Splane
Maysa Jalbout	Charles Johnston	Arthur Slutsky	Mary Anne White
Chil-Yong Kang	Murray Lang	Lynn Williams	Red Wilson
J. Barry Lord	Kevin Lynch		
Anne Martin-Matthews	Les McLean		
John Mighton	Roger Mitchell		
Heath Munroe-Blum	Samantha Nutt		
Howard Petch	Edward Pickering		
Gary Purdy	Norman Ryder		
William Shaw	Rajendra Singh		
John Thomas	Clifford Will		
Cecil Yip	Junsen Zhang		

Source: University Advancement



Donors have a lasting impact on McMaster researchers, students and our community.



The University finished the 2021/22 year with a \$52.9 million surplus (2020/21: \$232.0 million).

Donations and Gifts

Supporting the pursuit of knowledge by expanding and stewarding private and public support – through a comprehensive range of development programs for donors, that achieve an annual goal of \$70 million in revenue.

Development activity at McMaster supports the strategic priorities set by the University by building meaningful relationships with donors and delivering financial results to the institution..

For more information on donations and gifts, please visit: alumni.mcmaster.ca

Total Private Revenue, 2021

Goal: \$70 million

NEW GIFTS AND PLEDGES: **\$70,724,893**

FUTURE GIFTS: **\$8,769,447**

OTHER REVENUE: **\$5,375,028**

PRIVATE RESEARCH GRANTS: **\$32,507,475**

2021 Total:
\$117,376,843

RETURN ON INVESTMENT:
\$16.30 (\$12.40 in 2020)

(for every dollar spent on philanthropic activity,
\$16.30 was returned to the University)

COST PER DOLLAR RAISED:
\$0.06 (\$0.08 in 2020)

(expenses related to philanthropic activity
divided by total private revenue)

Source: University Advancement

Finance

The University finished the 2021/22 year with a \$52.9 million surplus (2020/21: \$232.0 million). The decrease in surplus over the prior year was driven by an investment loss of 5.4%, offset by an increase in international enrolment and significantly higher ancillary sales following the return to campus for part of the year. Two new bond issues totaling \$150.0 million were completed in the year to fund future strategic commitments, including the launch of Canada's Global Nexus for Pandemics and Biological Threats.

Included within the consolidated results is an Operating Fund surplus of \$28.0 million (2020/21: \$2.2 million). The surplus relates to growth in revenue due to increased international student enrolment and tuition rate increases. Expenses were greater due to approved salary increases which were mitigated by vacancies and Bill 124 compensation restraint requirements. Many expenses such as travel and office supplies remained low with some continued remote work.

For more information on finance, please visit: financial-affairs.mcmaster.ca

- University demand remains high and growing in parallel with global rankings. Growth from international enrolment and other sources is a key focus as a result of frozen grant funding.
- Alternative revenue generation projects are underway including public-private partnerships for additional student residences, and support for McMaster Innovation Park's research infrastructure development initiatives.
- Global market volatility and pandemic-related inflation impacted investment performance.
- Research income increased as pandemic restrictions eased, enabling the resumption of research activities. The McMaster Seed Fund was launched to support public and private investments in our innovation ecosystem.
- Capital spending continued at a slower pace due to delays associated with COVID-19.
- Operating reserves are predominantly held by academic envelopes for strategic initiatives. Provisions for settlement of future pension and other post-employment benefits limit the availability of reserves for current spending.
- Excess revenues over expenditures are a result of McMaster's prudent approach to budgeting and financial planning and maintain a strong credit rating of AA from both Standard and Poors and DBRS.
- McMaster continues to lead nationally on responsible investment practices with early adoption of climate-related financial reporting.

Capital spending continued at a slower pace due to delays associated with COVID-19.



Year ended April 30, 2022 with comparative figures for 2021 (\$ millions)			
Statement of Operations - Audited**	2022	2021	% change
Revenues	1,197.6	1,300.7	-7.9%
Expenses	1,144.7	1,068.7	7.1%
Excess of revenues over expenses	52.9	232.0	-77.2%
Statement of Financial Position - Audited**	2022	2021	% change
Assets	3,559.5	3,357.4	6.0%
Liabilities	1,852.9	1,552.7	19.3%
Net Assets	1,706.6	1,804.7	-5.4%
Operating Fund - Unaudited	2022	2021	% change
Sources of revenue	818.1	778.3	5.1%
Net expenditures and transfers	790.1	776.1	1.8%
Net surplus	28.0	2.2	1172.7%
Reconciliation of Operating Fund Results to Audited Statement of Operations above*	2022	2021	% change
Operating Fund net surplus	28.0	2.2	1172.7%
Accrual Adjustments:			
Capital expenditures net of amortization	70.7	37.8	87.0%
Investment income (loss) on internal endowments	(15.2)	30.5	-149.8%
Pension and non-pension adjustments	(114.1)	72.1	-258.3%
Other accounting adjustments	83.5	89.4	-6.6%
Excess of revenues over expenses per audited financial statements	52.9	232.0	-77.2%

** Audited Statement of Operations and Statement of Financial Position are prepared on a full accrual basis in accordance with Canadian accounting standards for not-for-profit organizations and includes activities of all funds.

Audited Financial Statements are available at: financial-affairs.mcmaster.ca/resources

Fact Book Definitions and Glossary

AUTM	Association of University Technology Managers
CAUBO	Canadian Association of University Business Officers
CGPSS	Canadian Graduate and Professional Student Survey
CIHR	Canadian Institute of Health Research
CIS	Canadian Interuniversity Sport
CSRDE	Consortium for Student Retention Data Exchange
CUDO	Common University Data Ontario
Degrees Awarded	Refers to total degrees conferred at annual June and November convocations.
Fiscal Full-time Equivalent (FFTE)	Based on the undergraduate student unit load as a proportion of the <i>Normal</i> unit load for that specific academic year within a program. The <i>Normal</i> load is determined by the "Required Units" specified in the University Calendar.
Full-time Equivalent (FTE)	Full-time graduate headcount enrolment plus a full-time equivalent of part-time graduate enrolment (0.3 times part-time headcount).
Full-time Undergraduate Students	Students who, for academic purposes, are registered in at least 9 units in a term, including extra courses.
G6	The Ontario universities that are part of the U15.
Graduate Students	Students enrolled in a program of study leading to a graduate degree, certificate or diploma. Also included are those students enrolled in graduate courses but not seeking a graduate degree, certificate or diploma.
Headcount	Represents the number of students enrolled at the University.
International Students	Students studying at the University on a study permit.
MCU	Ministry of Colleges and Universities
NASM	Net Assignable Square Metres
NSERC	Natural Sciences and Engineering Research Council of Canada
NSM	Net Square Metres
NSSE	National Survey of Student Engagement
OSAP	Ontario Student Assistance Program
OUA	Ontario University Athletics
OUAC	Ontario Universities' Application Centre
OUGS	Ontario University Graduate Survey
Part-time Undergraduate Students	Students who, for academic purposes, are registered in fewer than 9 units in a term, including extra courses.
SSHRC	Social Sciences and Humanities Research Council of Canada
Tri-Agencies	Body of external experts on research ethics established by CIHR, NSERC and SSHRC.
U15	Association of 15 Canadian public research universities.
Undergraduate Students	Students enrolled in a program of study leading to a bachelor's degree or to the degree Doctor of Medicine. Also included are those students enrolled in undergraduate courses but not seeking an undergraduate degree.
Units	Refer to the number of credits associated with a course. Three-unit courses are usually one term in length. Six-unit courses are usually two terms in length.
USFC	University Student Fees Committee

For faculty appointment types, please refer to McMaster University Revised Policy and Regulations with Respect to Academic Appointment, Tenure and Promotion (2012), found at: mcmaster.ca/policy

INSTITUTIONAL RESEARCH AND ANALYSIS

1280 Main Street West, Hamilton, Ontario L8S 4L8

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