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WORLD**

McMaster University
Fact Book
2019 | 2020





FACT BOOK 2019-2020

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

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**Any revisions to the McMaster University Fact Book will be reflected in its web version. Please check the Institutional Research and Analysis web site for the most up-to-date version.*

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- Faculty of Humanities
- Faculty of Science
- Faculty of Social Sciences
- Financial Services
- MacPherson Institute for Leadership, Innovation & Excellence in Teaching
- 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

Introduction

October, 2020

We are pleased to present to the University community the 2019-2020 edition of the McMaster University Fact Book. The Fact Book is a compilation of the most frequently requested data and statistical information about McMaster University. It is intended to be a basic source of official University data and we hope that this will be a valuable resource for high-level, aggregate information.

Many significant events took place during the 2019-2020 academic year. Once again, McMaster ranked among the Top 100 universities in the world by the Times Higher Education World University Rankings, Canada's most research-intensive university by Research Infosource, and one of Hamilton-Niagara's Top Employers. McMaster researchers were included on the listing of the world's most highly cited researchers, as well as the Category Normalized Citation Impact, ranking second highest among U15 institutions. Students also continued to demonstrate excellence in their studies and research with 7 McMaster graduate students named recipients of prestigious scholarships and fellowships, 6 McMaster graduate students named Vanier scholars, and one post-doctoral fellow named a Banting Fellow.

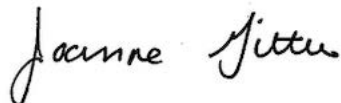
In 2019, McMaster developed several new programs that emphasize the University's focus on collaborative and innovative initiatives, as well as experiential learning opportunities. McMaster's DeGroote School of Business launched *Imagining and Navigating the Future*, an ambitious interdisciplinary course that provides students an opportunity to analyze the systems, trends and uncertainties influencing future workplaces, healthcare systems, climate change, and financial markets. The Faculty of Social Sciences added four new minors in the fields of Equity, Diversity, and Inclusion ranging from topics such as Gender, Sexualities, and Families and Immigration and Race Relations. McMaster's Faculty of Engineering launched the Grand Challenges Scholars Program (GCSP), where students develop entrepreneurship and social responsibility skills to prepare them to respond effectively to 21st century challenges. Moreover, the COVID-19 pandemic necessitated the transition of McMaster to a virtual teaching, learning, research, and work environment in just a few short months. This swift transition in teaching and learning modalities has presented new opportunities for creative and innovative student experiences, as well as new ways to support students effectively.

We thank all of our colleagues who contributed to the development of this edition of the Fact Book.

An online copy of this Fact Book is located at <https://ira.mcmaster.ca/fact-book/>. Please bookmark this document or subscribe to the Institutional Research and Analysis RSS feed and use it as a reference.

The Office of Institutional Research and Analysis is dedicated to providing accurate, timely and high-quality data to academic and administrative offices at McMaster and strives to ensure that this Fact Book continues to meet your basic information requirements. Please send any comments and/or suggestions on the content and usefulness of this publication to irahelp@mcmaster.ca.

Sincerely,



Joanne Gittens
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Director
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Quick Facts Fall 2019

STUDENTS:

UNDERGRADUATE ADMISSIONS FROM ONTARIO HIGH SCHOOLS



Source: Student Record Management System



44% | 15,229



55% | 18,722



1% | 316

MALE:

12,953 Undergraduate | **2,276** Graduate

FEMALE:

16,035 Undergraduate | **2,687** Graduate

OTHER:

288 Undergraduate | **28** Graduate

**TOTAL
STUDENTS
34,267**

DOMESTIC:

85% | **29,001**

INTERNATIONAL:

15% | **5,266**



UNDERGRADUATE:
85% | **29,276**

○ Full-Time: **96%** | **28,209**
○ Part-Time: **4%** | **1,067**

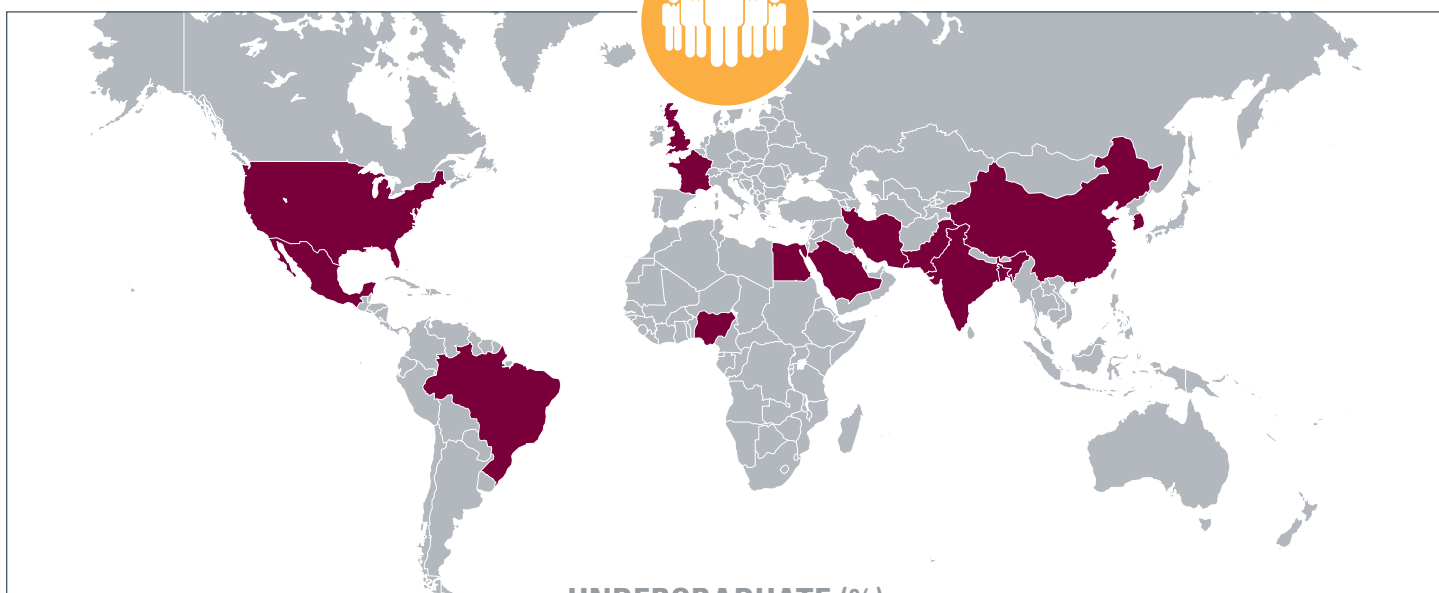
○ Domestic: **87%** | **25,414**
○ International: **13%** | **3,862**

GRADUATE:
15% | **4,991**

○ Full-Time: **85%** | **4,233**
○ Part-Time: **15%** | **758**

○ Domestic: **72%** | **3,587**
○ International: **28%** | **1,404**

INTERNATIONAL:



UNDERGRADUATE (%)

China 67.7 India 4.3 Hong Kong 3.2 South Korea 2.5 Saudi Arabia 2.4 Nigeria 2.0 USA 1.0 France 0.9 UK 0.9 Bangladesh 0.9

GRADUATE (%)

China 33.5 India 22.7 Iran 11.6 Egypt 4.7 USA 3.2 Brazil 2.0 Bangladesh 1.8 Saudi Arabia 1.6 Turkey 1.4 Mexico 1.4

UNDERGRADUATE TOTAL HEADCOUNT ENROLMENT BY FACULTY (FALL 2019)

Business 3,396	Humanities 2,239	Arts & Science 265
Engineering 6,108	Science 7,626	Divinity College 182
Health Sciences 5,064	Social Sciences 4,396	

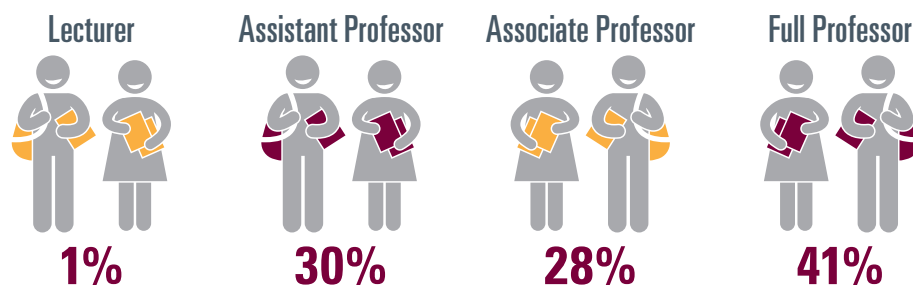
November 1, 2019 Student Headcount.

DEGREES AWARDED CY 2019

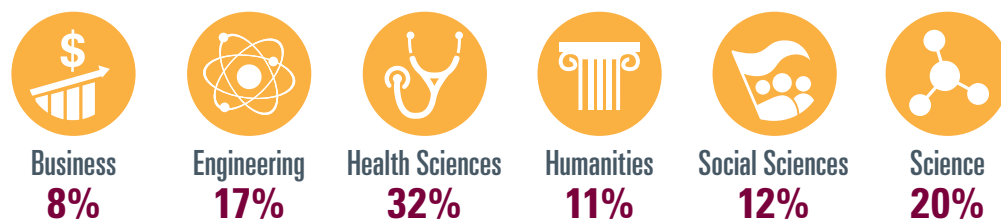
	MALE	FEMALE	OTHER		MALE	FEMALE	OTHER
Bachelor	2,203	2,974	55	Doctoral	134	102	0
First Professional	104	118	0	Graduate Cert/Dip	18	31	0
Masters	657	816	11	Total	3,116	4,041	66

FACULTY and STAFF:

TOTAL FULL-TIME FACULTY BY RANK



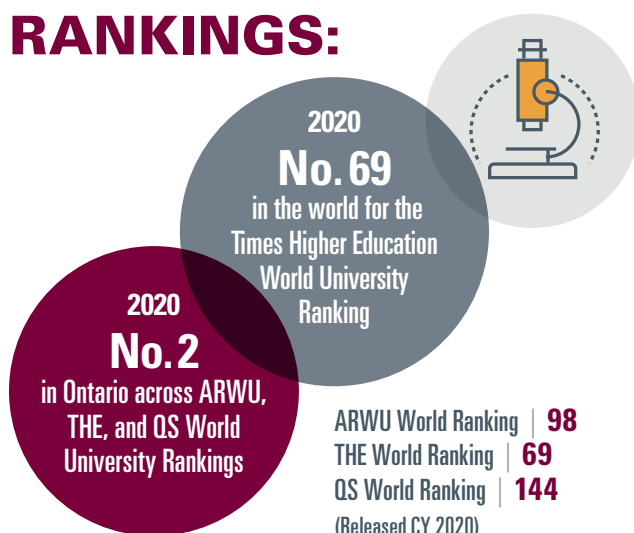
TOTAL FULL-TIME FACULTY BY FACULTY



Total Faculty: 1,050 | 60% Male 40% Female | Total Staff: 11,862 | 39% Male 59% Female 2% Other

October 1, 2019 Full-Time Faculty. August 27, 2020 Staff Headcount.

RANKINGS:



ARWU World Ranking | 98
THE World Ranking | 69
QS World Ranking | 144
(Released CY 2020)

Faculty Research Intensity

No. 1 in Canada
\$404,000 per Faculty member

Graduate Student Research Intensity

No. 2 in Canada
\$75,100 per Grad student

Total Sponsored Research Income

\$372 Million
(Research Infosource 2020)

205,810

Alumni

10

Vanier Scholars

20

Total Vanier
since 2015

1

Banting Fellow

3

Nobel Prize Winners

91%

of Undergraduates
continued to 2nd year

81%

of Undergraduates
graduated within
7 years (2011 cohort)

88

Canada Research Chairs
(allocated)

15

3M National Teaching
Fellowship

118

Endowed Chairs

2

CIHR Chairs

1

Canada 150
Research Chair

6

NSERC Industrial
Research Chairs

2

Ontario Research
Chairs

18

World's Most Highly
Cited Researchers
(Clarivate Analytics 2020)





McMaster Goals and Priorities

McMaster University was founded in 1887 and is governed by the McMaster University Act, 1976. The University has achieved an 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 among the world's top 100 universities, and one of only four in Canada (Times Higher Education). *Research Infosource 2020* ranked McMaster as Canada's most research-intensive university for the fourth consecutive year, with a total research income of \$372M, averaging \$404,000 per faculty member – more than double the national average.

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 the advancement of human and societal health and well-being, and ultimately to creating a brighter world for all.

VISION STATEMENT

To achieve international distinction for creativity, innovation, and excellence.

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.

A REMARKABLE YEAR

These are extraordinary times and McMaster is extremely fortunate to have innovative and dedicated faculty, staff and students who are rising to meet the enormous challenges posed by COVID-19. Together we are working to support our University community through the pandemic, while also focusing on planning for the future. The past academic year, with the cancellation of in-person classes and events, and the resultant immediate transition to a virtual teaching, learning, research and work environment, presented a series of challenges that have nonetheless provided opportunities for growth and innovation

across the institution. While the pandemic continues to significantly impact the ways in which McMaster operates, the focus on achieving an optimal student experience, enhancing community connections, and continued research excellence, remain constant priorities through the significant efforts of the McMaster community.

STRATEGIC PRIORITIES

President David Farrar is currently leading the McMaster community through a visioning and strategic planning exercise intended to reaffirm our shared purpose and aspirations, outline an ambitious vision for the University, and develop a shorter-term strategic plan to guide McMaster over the next several years. Our focus remains to foster the creative and intellectual potential of our students, while at the same time preparing our graduates to build successful careers and meaningful lives. We develop innovative and entrepreneurial graduates, undertake cutting-edge research, and serve our community by leading and partnering on local and global initiatives. McMaster also has a strong track record of working with industry, successfully outpacing our peers over the last five years in industry-sponsored research. Such industrial collaborations act as magnets, attracting businesses to our region, allowing for the incubation of new companies and creating jobs for Canada's next generation of leaders – our students.

Strategic Goals

GOAL ONE: DEVELOPING A DISTINCTIVE, PERSONALIZED, ENGAGING, AND SUSTAINABLE STUDENT EXPERIENCE

1

McMaster has transformed post-secondary teaching and learning over many decades. Our signature pedagogies, such as inquiry and problem-based learning, have been incorporated into multiple programs at McMaster and recognized and adopted in jurisdictions around the world. Our goal is to build on the success of our most creative and innovative programs, providing an enriching and transformative learning experience for all students with opportunities for experiential, work-integrated, self-directed, and virtual learning from multidisciplinary perspectives. Alongside this, McMaster integrates our world-class research enterprise into teaching and learning and connects the learning experience to our many local, national, and international communities.

KEY INITIATIVES

Responding to the COVID 19 pandemic:

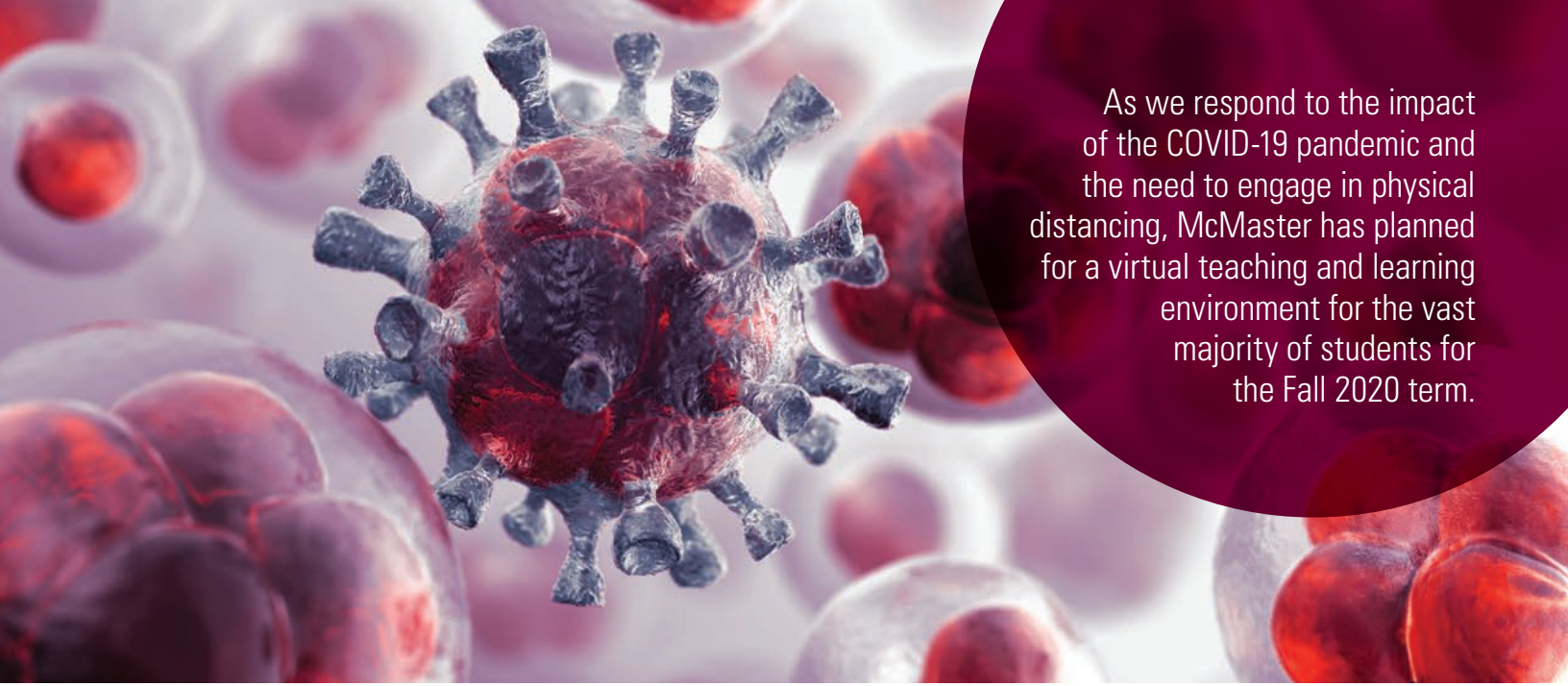
- In just a few short months, McMaster transitioned to a virtual teaching environment. This swift transition in teaching and learning modalities has presented new opportunities for creative and innovative student experiences, as well as new ways to support students effectively during this time:
 - Since the 2020 Fall term will be held almost entirely online, McMaster's MacPherson Institute for Leadership, Innovation and Excellence in Teaching is working to ensure that every part of the University is ready to deliver virtual programming of the highest calibre. The Institute offers streamlined support, including training and consultation on pedagogy, course design and education technologies.
 - The McMaster University Library is now participating in the HathiTrust Emergency Temporary Access Service (ETAS) program – an initiative that allows the McMaster community to have digital access to over 830,000 in-copyright print books from the Library's collection.
 - The new Archway program provides all incoming students with a coach and mentor who will partner with students throughout the year to support their success and ensure that they get the most from their McMaster experience.

More Generally:

- Across the University, students are offered experiential learning experiences, career readiness opportunities and work integrated learning experiences. Recent initiatives include:
 - McMaster's Career Treks program provides short-term opportunities intended to provide students with real world, hands-on experience. Students are mentored by a local employer as they work on a dedicated project.
 - The Faculty of Science introduced a Journalist in Residence Program to further enhance the media literacy skills of faculty and students and support the effective communication of scientific knowledge and discoveries to the public. New York Times columnist and author Gretchen Reynolds will serve as the first journalist in residence.
 - In Fall 2019, the Faculty of Engineering launched the McMaster Grand Challenges Scholars Program (GCSP) with the United Nations Sustainable Development Goals as the focus of students' learning. In this program, students develop skills in five key areas, including entrepreneurship and social responsibility, with the goal of preparing them to respond effectively to 21st century challenges. The first class of scholars graduated from the program in Spring 2020.
 - To enhance the recruitment and retention of Ontario high school students, the

Faculty of Social Sciences is offering reach-ahead experience programming and advanced credit for students in Business, Environment, Health & Wellness, Non-Profit, and Justice, Community Safety & Emergency Services. Reach-ahead experiences are intended to introduce Ontario high school students to University; those who achieve 80 per cent or higher in one of these programs can receive advanced credit for one three-unit course.

- In May 2019, after detailed community consultation and planning, McMaster launched its Equity, Diversity, and Inclusion (EDI) Strategy and Action Plan. The strategy guides an institution-wide effort to consider the ways that we attract, engage and support our students, faculty and staff. The following new initiatives and projects, focused on enhancing EDI in the student experience, have been launched:
 - McMaster's Access Strategy is intended to make it easier for academically qualified students from under-represented groups in the Hamilton and surrounding communities to access university education, and includes outreach and admission strategies, as well as transition and retention programs to attract students to McMaster and ensure their success through to graduation.
 - McMaster's Michael G. DeGroote School of Medicine has enhanced the equity



As we respond to the impact of the COVID-19 pandemic and the need to engage in physical distancing, McMaster has planned for a virtual teaching and learning environment for the vast majority of students for the Fall 2020 term.

streams for its admissions process to include applicants from socio-economically vulnerable backgrounds, Black applicants, and Hispanic/Latino applicants, in addition to the current equity stream for Indigenous applicants, and is also developing and expanding mentorship opportunities.

- The Faculty of Social Sciences has developed four new minors in the following areas: Diversity and Equity; Gender, Sexualities, and Families; Immigration, Race Relations, and Indigenous-Settler Relations; and Asian Studies.
- To provide a transformative learning experience, the University supports the following initiatives and projects:
 - McMaster's Student Experience Fund program has been modified to enable students to apply for and receive funding for a broad range of experiential activities, including independent research or fieldwork, extra-curricular learning opportunities, working with community partners on community-based initiatives, and enhancing student-driven departmental initiatives.
 - In order to support student retention and outreach efforts McMaster's International Student Services provides academic support to international students and helps students adjust to life in Canada by hosting orientation and social events.
- The Faculty of Engineering is offering a new virtual course the Engineering Mentorship & Bridging Education Resources (EMBER) Program, for all incoming students in Summer 2020. The free, non-credit course is being offered to undergraduate students to support students' academic and social integration within the Faculty and their transition to a successful first-year experience at McMaster.
- McMaster is one of only two Canadian universities to pilot the McCall MacBain Foundation International Fellowships, and is working with the McCall MacBain Foundation as the program adapts to offer students safe and meaningful experiences during the pandemic. The McCall MacBain Postdoctoral Fellows in Teaching and Leadership Program was also launched by the Faculty of Science, the first program of its kind in Canada for PhD students.
- To meet societal and labour market needs and student demand, McMaster continues to develop new innovative programs, including inter-disciplinary and multi-disciplinary offerings. Recent initiatives include:
 - The Faculty of Health Sciences begins a new Master of Psychotherapy Program in September 2020 in response to updated legislation for the controlled act of psychotherapy. The program will prepare professionals for registration with the College of Registered Psychotherapists of Ontario and an independent career.
 - A new course in the foundations of Rehabilitation Sciences attracted positive feedback from undergraduates. A new certificate in rehabilitation is being developed between the Faculties of Health Sciences and Science.
 - McMaster's new DeGroote School of Business course, Imagining and Navigating the Future, is an ambitious interdisciplinary course that provides a platform for students to develop the strategic foresight, planning and leadership skills needed to imagine and shape the future. Students will analyze the systems, trends and uncertainties influencing the future of workplaces, healthcare systems, climate change, and financial markets.
 - The Art of Creation Project offers an arts-based approach to improving the overall health of Ontarians. This includes art-infused health promotion programs intended to inspire people and communities to change their health-related behaviours. The Project is a collaboration between the Faculty of Health Sciences' Department of Biochemistry and Biomedical Sciences, the Art Gallery of Hamilton, City of Hamilton Public Health, and the universities of New Brunswick and Southampton, U.K.



McMaster supports a variety of initiatives intended to equip our students and learners with the leadership skills needed to be engaged and successful global citizens, and to transition successfully from the academy to the workplace.

- The University continues to enhance the physical infrastructure of the campus to support a transformative student experience in anticipation of an eventual return to full campus life:
 - The Peter George Centre for Living and Learning was completed in Fall 2019. It provides much needed academic space, a Student Residence, a Student Wellness Centre, hospitality space, underground parking, and is the new home for the McMaster Childcare Centre.
 - \$37.5M in renovations and additions to the Arthur Bourns Building, supported by the federal Strategic Innovation Fund program, added 45,000 square feet of new research and classroom space, enabling a more modern and environmentally sustainable experience.
 - The much needed Student Activity and Fitness Expansion is expected to open in 2021. The build-out and renovation will improve the environmental sustainability of the facility and increase the size of the fitness centre to accommodate McMaster's growth over the last several years.
 - Renovation has begun on an innovative learning space for health care students and professionals to collaborate and learn in an interdisciplinary setting. Called The Clinic, the space on the first floor of the Health Sciences Library will help build a culture of entrepreneurship and innovation.
- McMaster supports a variety of initiatives intended to equip our students and learners with the leadership skills needed to be engaged and successful global citizens, and to transition successfully from the academy to the workplace. Recent initiatives include:
 - McMaster has begun to enable microcredential innovation for teachers, learners, employers and policymakers. Microcredentials are widely recognized by employers and verify a competency acquired through a single learning experience or collection of learning experiences. They allow learners to upgrade their skills at a flexible pace.
 - Supporting microcredential advancement, McMaster's Faculty of Engineering is a leading partner in the recently founded Digital Credentials Consortium facilitated by MIT, which includes 12 international partner institutions. The consortium is establishing best practices, designing shared infrastructure, and building prototypes for academic digital credentialing, all based around the World Wide Web Consortium (W3C) Verifiable Credentials Data Model.
 - In Fall 2020, the Faculty of Engineering will launch its redesigned Engineering I curriculum. Students will learn in the context of grand challenges viewing complex problems with a multidisciplinary lens. Design thinking and entrepreneurship will be embedded in all programming. The program will include a full-year, project-based learning course featuring a series of virtual design projects and labs that will develop both technical and professional skills.
- The Wilson Leadership Scholar Award, hosted by McMaster University, supports the development of students who demonstrate exceptional leadership potential. The first cohort combining undergraduate and graduate students has completed the program, which includes mentorship, professional development, and community engagement opportunities. In light of the pandemic, the 2020-21 cohort will work with mentors to develop a policy brief on post-pandemic recovery with a continued focus on the key issues facing Canada, and opportunities for career planning and development.
- McMaster's global experience programming provides an opportunity for students to enhance their community engagement, leadership, and global impact through work-related, real-life learning. Through our extensive partnerships with employers, students and recent alumni can have an international work experience and gain intercultural competencies that complement their academic studies and support their career goals.



KEY OUTCOMES

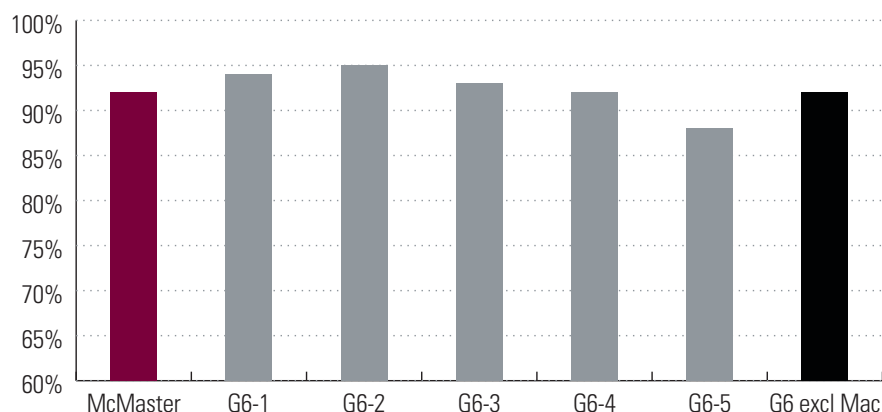
- As we respond to the impact of the COVID-19 pandemic and the need to engage in physical distancing, McMaster has planned for a virtual teaching and learning environment for the vast majority of students for the Fall 2020 term. The University is focused on providing a high quality virtual learning experience and has made a number of innovations to support this. A few select examples are as follows:
 - Faculty and staff in the Faculty of Health Sciences education programs have worked quickly to move curriculum and teaching to online modes where possible, and to adapt essential clinical skills, anatomy learning, and clinical placements.
 - The Bachelor of Software Engineering Technology program, offered through the W Booth School of Engineering Practice and Technology, is the first unique online diploma-to-degree program tailor-made for college graduates wishing to continue their education and further their careers. Course enrolment in this program has increased by 26 per cent to more than 430 in the 2019-2020 academic year.
 - The Department of Sociology has developed five new online courses with McMaster's Centre for Continuing Education. The courses are among 10 online courses being developed as part
- of a new degree pathway program, scheduled to launch by Winter 2022.
- Several recent initiatives in health and well-being highlight McMaster's leadership in developing a distinctive, personalized and sustainable student experience while navigating the virtual environment of the pandemic including:
 - The McMaster Wellness Centre offers initiatives and programs throughout the year as well as regular training from their Mental Health, Nutrition and Fitness, Healthy Campus, and Sexual Health teams. In 2019-20, 160 students were trained in safeTALK suicide prevention.
 - The Student Career Access Program (CAPS) has created new opportunities for equity-seeking students to learn from and network with employers. In addition to a variety of targeted events intended to help them achieve their career goals, CAPS also provides students with the opportunity to work with a career advisor to develop an individualized employment plan.
- McMaster continues to create and support programs that emphasize skills training and prepare students for careers in a continuously changing work environment:
 - Offered jointly by the Faculty of Engineering and the DeGroote School of Business, the Minor in Innovation
- is designed to give students the tools they need to succeed in the fast-paced, innovation-driven marketplace. Launched in Fall 2018, course enrolment has increased from over 300 course registrations in the Fall/Winter 2018-2019 academic year to over 1,000 course registrations in the Fall/Winter 2019-2020 academic year.
- The Master of Biomedical Discovery and Commercialization Program of the Faculty of Health Sciences has grown by 50 per cent. The program provides students with a unique, personalized training experience that prepares them for diverse roles in the pharmaceutical, biotechnology and health sciences sectors. Working one-on-one with a faculty mentor and career advisor, students generate an in-depth career development plan and engage in a mandatory four-month internship placement.
- During 2018-19, McMaster saw an 18 per cent increase in the number of students undertaking a co-op work term, with over 5,100 co-op work terms reported.
- McMaster's Midwifery Education Program has become the first program in Canada to receive accreditation from the Canadian Association for Midwifery Education, an assurance of the high quality both of the program and its graduates.

- The MacChangers program is a co-curricular program, jointly run by the Faculty of Engineering and the Office of Community Engagement, that focuses on the UN Sustainable Development Goals to build a more resilient Hamilton community. Multidisciplinary teams of McMaster students are paired with community members and over eight months propose innovative solutions to local challenges facing Hamilton, as well as the global community, the opioid crisis, resilient infrastructure, and social sustainability. A Summer 2020 Change-A-Thon was offered where students shared insights and created innovative solutions to four real-world challenges posed by COVID-19.
- In 2019-2020, McMaster enrolled 2,275 credit transfer students (an increase of 6.3 per cent compared to 2018-19) from Ontario universities and colleges.
- Educators in the Faculty of Health Sciences began incorporating COVID-19 into learning in Spring 2020 courses. The Bachelor of Health Sciences course on Emerging Infectious Diseases included gaining an understanding of COVID-19, from the origins and geographic prevalence, to clinical features of the disease, and management and treatment strategies.
- McMaster continues to support and encourage entrepreneurship by providing seed funding and actively promoting student entrepreneurship on campus and in Hamilton through several initiatives:
 - Since it opened its doors in 2015, The Forge has incubated more than 143 companies that have gone on to raise more than \$31M in funding, created more than 500 jobs, and reached 50 countries. The Forge currently works with 32 start-up clients including McMaster students, alumni, and community members, and engages more than 3,200 students each year in its programming. Over the last year, more than \$8.7M has been raised in grants and investments by Forge companies.
 - A McMaster PhD student of the Department of Biochemistry and Biomedical Sciences, in collaboration with the University of Michigan, has developed a knowledge translation website to provide plain language research

STRATEGIC MANDATE AGREEMENT METRICS

Under the 2017-18 to 2019-20 Strategic Mandate Agreement (SMA2) with the Ministry, Ontario Universities agreed to report on a common set of system-wide metrics and targets in five priority areas. The SMA2 system level metrics shown below are those related to Goal 1.

Undergraduate First Year to Second Year Retention Rates – Fall 2018

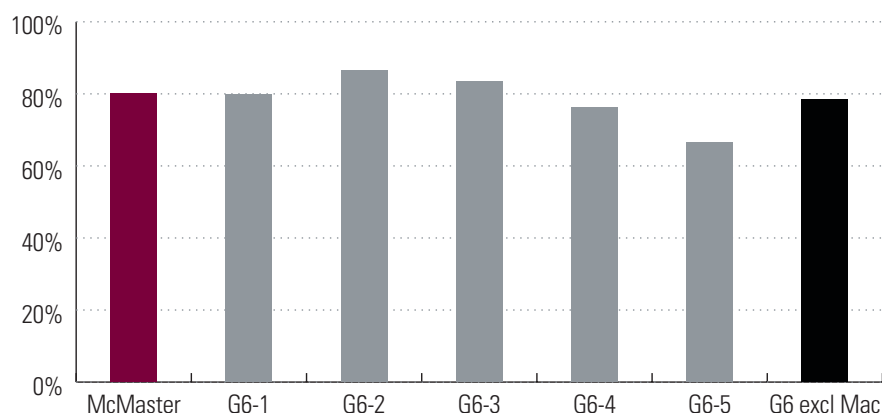


Note 1: Retention rates are based on first-time, full-time undergraduate students who commenced their studies in the previous year and have continued to study at the same institution in the reporting year.

Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: CSRDE (Consortium for Student Retention Data Exchange) 2019.

Undergraduate Six Year Graduation Rate – 2018



Note 1: The university graduation rate is calculated through the selection of all first year, new to the institution, undergraduate students from the Fall enrolment file 6 years prior, who received a bachelor or first professional degree.

Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

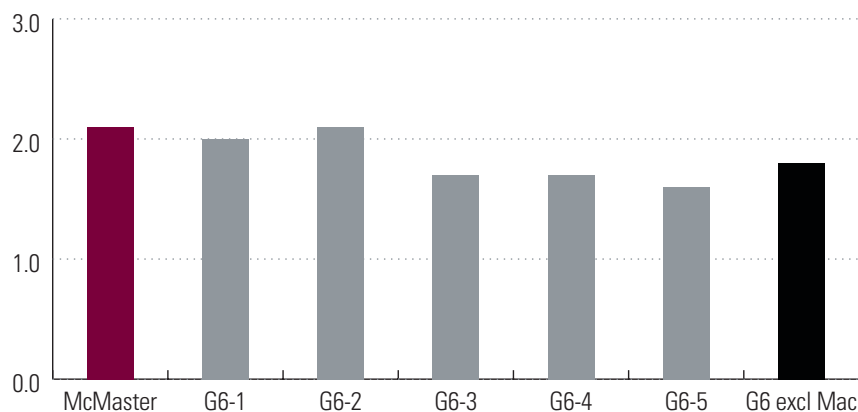
Source: CSRDE (Consortium for Student Retention Data Exchange) 2018.



We are one of only two Ontario universities consistently ranked among the world's top 100 universities and currently ranked fourth in Canada (Times Higher Education).



NSSE - Average Number of High Impact Practices (HIPs) Per Fourth-Year Student – 2017

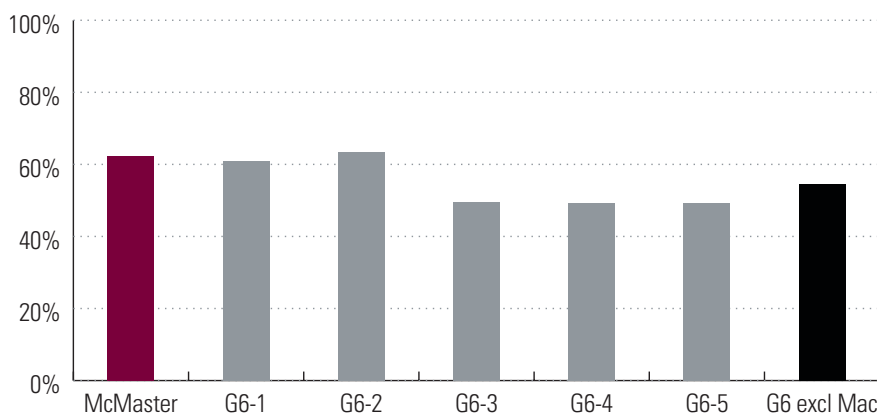


Note 1: Ontario universities administer the NSSE survey every 3 years and 2017 is the last available data.

Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: National Survey of Student Engagement (NSSE) 2017.

NSSE - Proportion of Fourth-Year Students with Two or More High Impact Practices (HIPs) – 2017



Note 1: Ontario universities administer the NSSE survey every 3 years and 2017 is the last available data.

Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: National Survey of Student Engagement (NSSE) 2017.

information to ataxia patients and their families. As a trainee-led initiative, funded by a grant from AtaxiaUK, the initiative engages volunteers from Canada, the United States, and Europe.

- McMaster continues to emphasize career preparedness and McMaster students consistently excel in metrics related to employment after graduation:
 - To support students in finding jobs and connecting them with local employers, the University presents Connect to Careers, Hamilton's largest job fair, in partnership with Mohawk College, Redeemer University College, and the City of Hamilton. This year the fair brought in over 140 organizations, with 82 per cent hiring for full-time, 40 per cent hiring for summer, 37 per cent hiring for co-op, and 45 per cent hiring for part-time opportunities.
 - McMaster programs provide high-quality preparation for future careers. In the 2018 Ontario University Graduate Survey of McMaster's 2016 graduates, 90.7 per cent of those in full-time employment indicated that they were in employment that was closely related or somewhat related to the skills they studied at university. The Ontario average is 88 per cent.
 - McMaster produces some of Canada's most employable graduates, according to Times Higher Education. The University ranked fifth in Canada and 78th worldwide, in the Global University Employability Ranking 2019.
- In the 2017 National Survey of Student Engagement (NSSE), 83 per cent of respondents rated their entire McMaster educational experience as good, or excellent, compared with Ontario's average of 77 per cent.

Strategic Goals

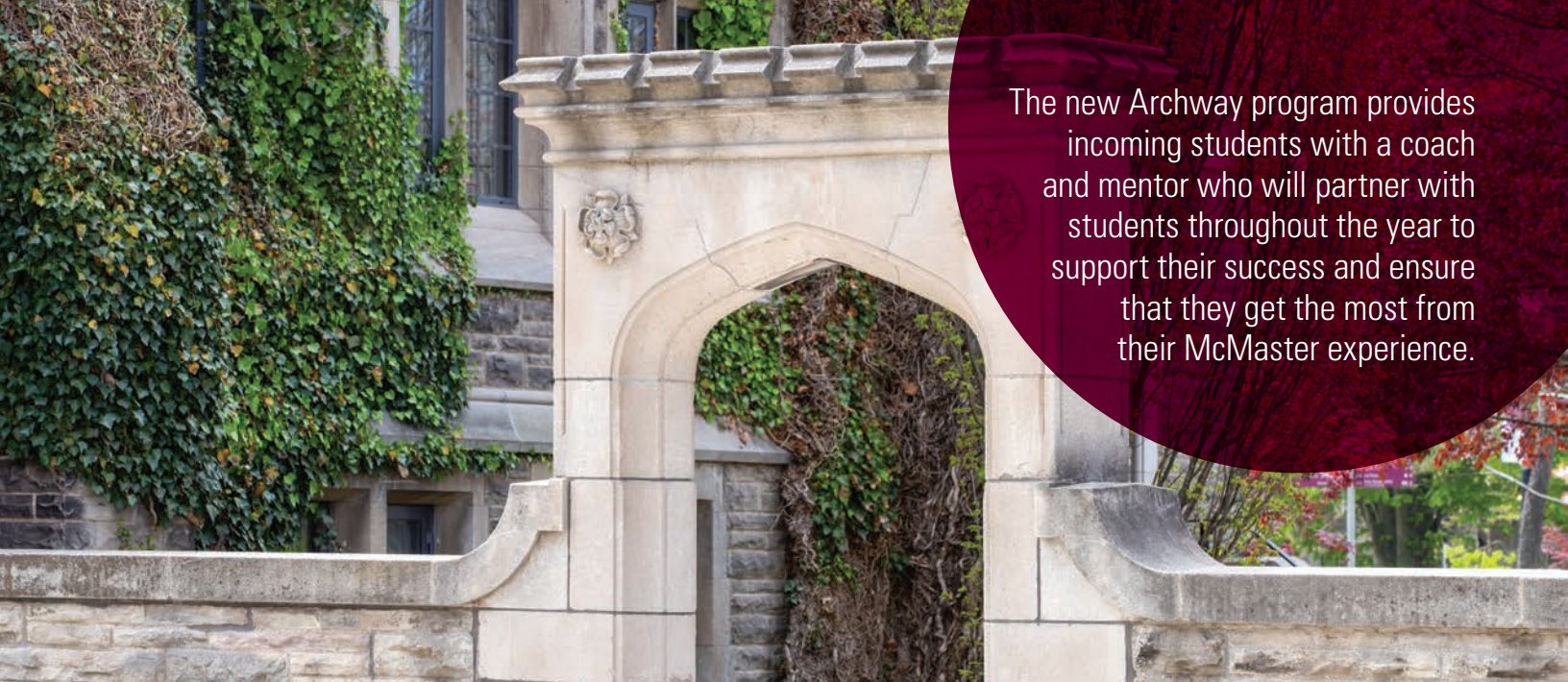
GOAL TWO: ENHANCING THE CONNECTIONS BETWEEN MCMASTER AND THE COMMUNITIES WE SERVE, LOCALLY, PROVINCIALLY, NATIONALLY AND AROUND THE GLOBE.

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McMaster remains committed to public service and fostering collaboration between the University and community partners. This work enables us to better understand and consider the issues identified as priorities by local and global communities, including this year working to understand the many impacts of the COVID-19 pandemic, and to integrate these priorities fully and meaningfully into the work of the academy. McMaster also supports the broader community through our work to foster a diverse campus community and create enhanced pathways and improved supports for underrepresented groups. Our community of more than 195,000 alumni, based in countries around the world, also supports us in building connections across the globe.

KEY INITIATIVES

- As part of McMaster's focus on advancing issues of equity and inclusion, last year the University launched its Equity, Diversity, and Inclusion (EDI) Strategy: Towards Inclusive Excellence. Now one year into the 2019-2022 EDI Action Plan, McMaster continues to prioritize and advance projects and initiatives that support the Strategy:
 - As part of the University's work on equitable hiring practices and processes, faculty members and staff hiring managers across the campus have been trained as Employment Equity Facilitators. These volunteers will facilitate the advancement of institutional and Faculty/Departmental employment equity priorities and goals, including the development and implementation of employment equity plans.
 - The Faculty of Health Sciences has established a dedicated Equity, Diversity and Inclusion Advisory Committee (EDIAC) focused on strategic recruitment and retention, training and professional development, and considerations to embed Indigenous ways of knowing into curricula offerings.
 - The Indigenous Health Initiative (IHI) of the Faculty of Health Sciences has collaborated with various programs to develop a series of Indigenous Health sessions to address the knowledge gaps of current non-Indigenous faculty and staff, while prioritizing the recruitment of Indigenous faculty members; development of a robust cross-Faculty Indigenous health curriculum; and ongoing education and support of both Indigenous and non-Indigenous faculty.
 - The Office of the AVP and Chief Technology Officer launched "McMaster Women in Tech", an initiative to highlight our many inspiring Women in Tech change-makers across campus. The goal of this project is to inspire colleagues and students by providing a platform for women with diverse experiences and perspectives to share their stories.
- McMaster continues to lead and actively engage in a range of initiatives within the City of Hamilton, including:
 - Through the Office of Community Engagement's (OCE) core programs, students are connected to or offered education and research opportunities in community engagement. In 2019-2020, the OCE supported more than 2,500 students in curricular, co-curricular and extracurricular community-engaged activities.
 - The OCE Research Shop contributed nearly 5,000 student volunteer hours to address community partners' questions on 13 projects. These ranged from an environmental scan on affordable housing for newcomers to Canada, to evaluations of academic and social programs for middle school students, to a literature review on trauma-informed yoga.
 - The Faculty of Health Sciences has been working with the Research Institute of St. Joseph's Healthcare Hamilton to establish a hub of the international Pasteur Institute in Hamilton. This initiative was launched by researchers in the Department of Psychiatry and Behavioural Neurosciences and involves the development of collaborative educational and research programming in France and Canada.
 - A tripartite committee on the delivery of care has been successfully established between the Faculty of Health Sciences and its academic hospital partners, Hamilton Health Sciences and St. Joseph's Healthcare Hamilton. The intention is to establish new models of care to address current gaps in capacity in the city of Hamilton.
 - The Mothers to Babies Study (M2B Study) is a community engagement and intervention development project between the Department of Biochemistry and Biomedical Sciences and the City of Hamilton Public Health intended to support pregnant women in Hamilton by raising awareness of local maternal-child health programs and services among people experiencing vulnerability. It is the result of a collaboration between McMaster and the University of Southampton, UK.



The new Archway program provides incoming students with a coach and mentor who will partner with students throughout the year to support their success and ensure that they get the most from their McMaster experience.

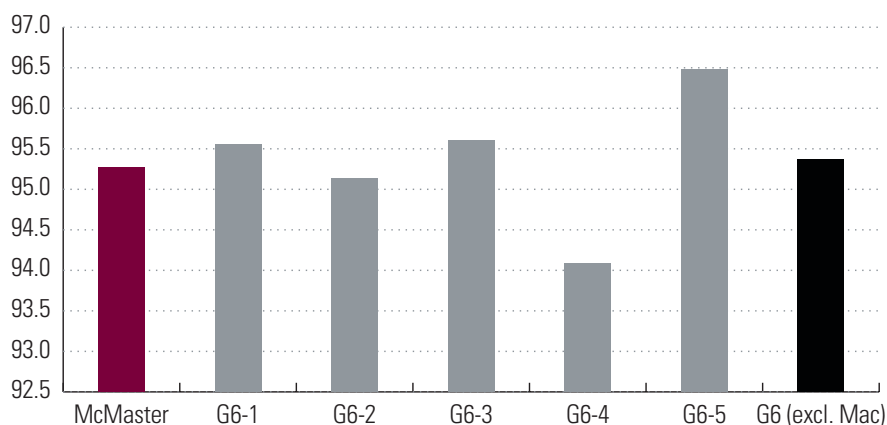
- CityLAB, an innovation hub that brings together students, academics and City leaders has engaged 1,888 students, 46 faculty members, and 73 city staff in more than 100 projects over three years, with 39,000 student hours contributed towards CityLAB projects.
- Seven Catalyst Grants were offered through the Office of Community Engagement to new community-campus partnerships from Four Faculties/Major Units and provided funding to events or programs that respond to community-driven issues such as Model City Hall.
- McMaster is an active participant in HAIL, the Hamilton Anchor Institutions Leadership group, which also includes the City of Hamilton, Hamilton Health Sciences and St. Joseph's Healthcare, the public and Catholic school boards, Mohawk College, Hamilton Police Services, the Chamber of Commerce, Arcelor-Mittal Dofasco and the Hamilton Roundtable for Poverty Reduction. The goals of the group are to break down barriers and work on developing solutions that address issues and benefit the local community.
- In July 2019 McMaster was one of several community partners who supported the 2nd Annual City of Hamilton's 'Newcomer Day' during which current and prospective students and Hamilton community members came together to develop connections and celebrate the diversity of Hamilton.
- Earlier in the year the DeGroot School of Business (DSB) partnered with the Hamilton and Burlington Chambers of Commerce to launch a free advisory service for their members and other entrepreneurs in the GTHA. Through DSB's online "Ask an Expert" portal, small business owners in the community have been able to seek guidance from faculty regarding the current market challenges posed by COVID-19. Faculty volunteers also shared their advice in webinars hosted by both chambers.
- In addition to the Access Strategy, McMaster engages in a range of initiatives to build connections with the local community and provide pathways and support to learners who may not otherwise have the opportunity to attend university:
 - The Socrates Project is an initiative intended to stimulate and foster critical discussion across all disciplines, and deepen the connection between the University and the broader community. Since its launch in 2018, the Project has welcomed over 10,000 individuals to more than 60 events and over the last few months has transitioned effectively into the virtual environment.
 - The Faculty of Humanities' MELD Community Access award program offers 10 full tuition awards to community members, mostly refugees and new immigrants, valued at \$300,000.
- Caregiving Essentials, McMaster Continuing Education's free online program supporting informal caregivers, has won a 2020 Program Award from the Canadian Association for University Continuing Education. The program has served more than 600 caregivers since its launch in Fall 2018. The development and launch of the program were first funded by the Ontario Ministry of Seniors Affairs, while additional funding from the Regional Geriatrics Programs of Ontario has enabled its continued success.
- McMaster strives to support health and foster community and collaboration for our students, faculty and staff.
 - The Faculty of Social Sciences launched a Community Research Platform pilot that includes a new community research partner mapping tool to identify partnerships across the Faculty and coordinate efforts to engage partners on multiple projects.
 - The McMaster Okanagan Committee recently launched an interactive website (<https://okanagan.mcmaster.ca>) which contains an inventory of McMaster's programs, services, research and courses regarding health and well-being initiatives. The website received international attention and is part of McMaster's commitment to the Okanagan Charter, which the University signed in 2017.

- McMaster seeks to build a strong network of international partnerships, including research collaborations, internships, and exchanges with institutions around the globe, and supports our students and faculty in developing such connections:
 - McMaster University entered its third year as a member of Universitas 21 (U21), a prestigious global network of 26 research-intensive universities from 17 countries focused on collaboration and global knowledge exchange. McMaster participated in developing a new U21 initiative on Truth and Reconciliation which was presented at the 2019 U21 AGM. The initiative aims to develop an inter-disciplinary network of U21 and the Association of Commonwealth Universities to explore truth-telling and reconciliation issues related to Indigenous groups around the world.
 - In September 2019, the MSc Global Health program launched a multilingual, transnational pilot project with Universidad del Rosario, using Microsoft machine learning technology to overcome language and communication barriers. Microsoft Translator's live transcription and translation tools facilitated cross-institutional group work.
 - McMaster is the host institution for Academics without Borders (AWB), a virtual, volunteer-driven NGO that connects academics in the developed world with colleagues and universities in developing countries. With the ongoing engagement of its faculty and staff with AWB, McMaster seeks to support capacity-building in higher education as a means to foster greater prosperity, equity and well-being for all.
 - McMaster Global is an annual campus-wide showcase of McMaster's global engagement activities, including International Education Week (IEW) and the annual McMaster Global Engagement Town Hall. For the past two years McMaster Global and IEW has included more than 40 free workshops, seminars, lectures, academic and cultural events for students, faculty, staff and alumni. Programs highlight the breadth of our collective commitment to global engagement, addressing global issues and fostering global citizenship in support of McMaster's vision and mission.

STRATEGIC MANDATE AGREEMENT METRICS

Under the 2017-18 to 2019-20 Strategic Mandate Agreement (SMA2) with the Ministry, Ontario Universities agreed to report on a common set of system-wide metrics and targets in five priority areas. The SMA2 system level metrics shown below are those related to Goal 2.

Graduate Employment Rate, 2 years post-graduation, 2018

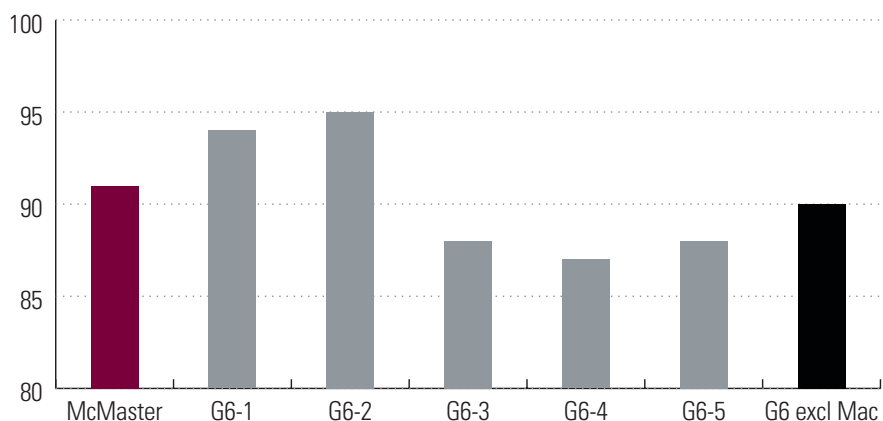


Note 1: Graduate Employment Rate is the number of graduates of bachelors or first professional degree programs expressed as a percentage of the labour force after graduation.

Note 2: The table above displays the results of the Ministry of Colleges and Universities' Ontario University Graduate Survey on the employment outcomes of undergraduate students who graduated 2 years before the year displayed. It displays the last available data.

Note 3: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities). Source: Ontario University Graduate Survey (OUGS) 2018.

Proportion of Graduates Employed Full-Time in a Related Job (2 Yrs post-graduation) 2018



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- In October 2019, McMaster co-hosted the Magna Charta Observatory (MCO) conference with the theme “University Freedoms and Responsibilities: Responding to the Challenges of the Future”. The annual MCO conference, held for the first time in North America, aims to address current challenges in upholding the fundamental values and principles of universities.

KEY OUTCOMES

- McMaster is finding ways to continue to positively engage the community and continue collaboration amidst the ongoing COVID-19 pandemic:
 - McMaster’s Venture Academy and Children and Youth University (MCYU) are now completely virtual. In Summer 2020, Venture Academy launched its first virtual camp for students in Grades 3-12, offering digital skills building activities, at-home design challenges and guided learning opportunities, including virtual labs for over 1,000 student participants. MCYU, which now engages well over 100 students per year in its experiential program, and offers 200 community events in collaboration with 25 community partners, is adapting its lectures for the online environment and developing virtual challenges and activities that children and youth can do at home.
 - In response to the current COVID-19 pandemic, the National Collaborating Centre for Methods and Tools (NCCMT) based in the McMaster School of Nursing has substantially re-focused its work to support public health and government decision makers across Canada. NCCMT has leveraged strengths and expertise in supporting evidence-informed decision making in public health for two new COVID-19 support services: a searchable database of published and in-progress public health syntheses, and a rapid evidence service to support answers to priority COVID-19 questions.
 - The Knowledge Labs series, held by the DeGroote School of Business (DSB), features DSB experts sharing their insights on business, research, teaching, and community-building – especially in health care management and the management of digital innovation. More

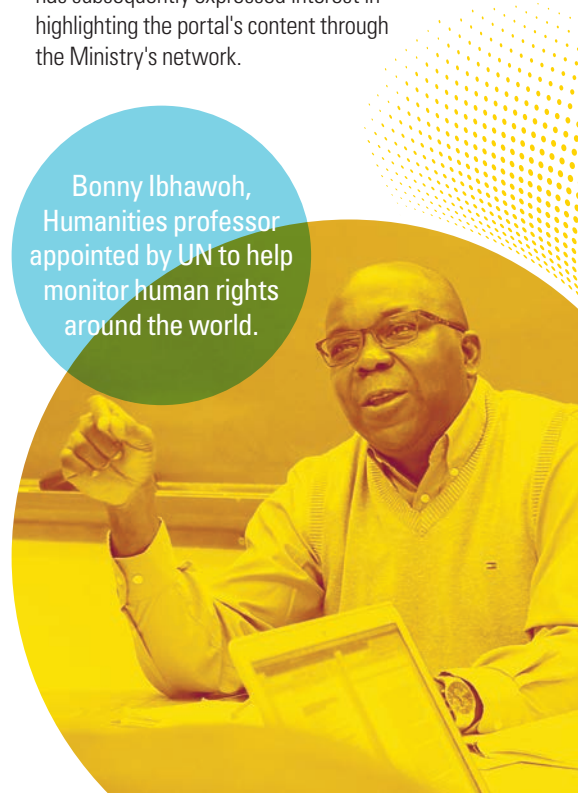
recently the series has focused on topics relevant to the changes in business caused by the pandemic. The Knowledge Labs series is available through a variety of channels: web articles, webinars, and YouTube.

- McMaster’s emphasis on local community is shown in the SMA Community and Local Impact Metric. McMaster students make up 8.76 per cent of the local population between the ages of 15-64 in Hamilton, a significant indicator of the impact McMaster students continue to have on Hamilton, and the surrounding communities.
- McMaster’s students have been successful in finding employment: of those students graduating with a bachelor or first professional degree in 2016, 89 per cent had found employment within 6 months and 95 per cent within 2 years (source: Ministry of Colleges and Universities’ 2018 Ontario University Graduate Survey).
- McMaster continues to see growth in employment rates for its students post-graduation: 95.3 per cent of McMaster’s 2016 graduates were employed two years post-graduation per the Ontario University Graduate Survey, which is up from 94.5 per cent the year before.
- McMaster placed 17th in the world in the Times Higher Education (THE) Impact Ranking for 2020. This international ranking recognizes the impact universities are making in their own countries and on a global scale. The ranking is based on the Sustainable Development Goals (SDGs) adopted by the United Nations, which are designed to address the most serious challenges facing our world. While ranking 17th overall, McMaster also placed 2nd overall in the Decent Work and Economic Growth SDG, and 6th overall in the Good Health and Wellbeing SDG.
- McMaster enjoys a strong partnership with Six Nations Polytechnic (SNP) and this year renewed the SNP-University Consortium Agreement, involving Brock, Laurier, Waterloo, Guelph and Western universities, as well as McMaster and SNP, for a further five years. The program provides access to university level studies, and is intended to improve education completion and

employment opportunities, and support community control of post secondary education, for the Six Nations community. Since its inception more than 250 students have completed the program and successfully completed their undergraduate degrees.

- In recognition of McMaster’s work and focus on employment equity, the University was named one of Canada’s Best Diversity Employers in 2019. For the fifth year in a row, McMaster was also named one of Hamilton-Niagara’s Top Employers. With approximately 12,000 faculty and staff, McMaster is one of the largest employers in the Greater Hamilton Area.
- In 2019-20, McMaster welcomed 6,820 full-time first-generation students (representing about 21 per cent of McMaster’s Fall full-time student enrolment), 536 (1.7 per cent) Indigenous learners (First Nations, Métis, and Inuit) and 2,465 (7.6 per cent) students with disabilities. McMaster continually strives to improve access to underrepresented groups through pathway programs and initiatives.
- During the pandemic, the McMaster Optimal Aging Portal turned its focus to highlighting ways to stay active and engaged while practicing physical distancing. The portal transitioned its weekly articles and blog posts to new posts and evidence summaries giving actionable tips for older adults. The Canadian Minister of Seniors has subsequently expressed interest in highlighting the portal’s content through the Ministry’s network.

Bonny Ibhawoh,
Humanities professor
appointed by UN to help
monitor human rights
around the world.



Strategic Goals

GOAL THREE: STRENGTHENING THE EXCELLENCE OF OUR RESEARCH AND OUR GRADUATE EDUCATION AND TRAINING, WHILE SEEKING OPPORTUNITIES TO INTEGRATE RESEARCH MORE PURPOSEFULLY INTO OUR ACADEMIC MISSION.

3

Ranked as Canada's most research-intensive university for four consecutive years, McMaster excels at interdisciplinary and collaborative research, working with industry, government, community partners, as well as other academic institutions around the globe. Our research reflects current and emerging issues of relevance to our local and global communities, and has impact across a wide range of disciplines. We continue to build on our track record in technology transfer and entrepreneurship to provide opportunities for commercialization to our faculty and students and bridge the gap between research and commercial application. Committed to engaging students at all levels in research activities, we strive to integrate research and teaching across our programming. Our graduate training is central to sustaining our research intensity and we are committed to equipping graduate students in all programs with the practical skills and experiential knowledge that will enable them to translate their academic achievements into success after graduation.

KEY INITIATIVES

- McMaster is a powerhouse in the area of infectious disease research, health research and advanced manufacturing. From the spread and prevention of COVID-19 to its social and economic impacts, to our ability to assist in novel technological innovations, McMaster's world-leading experts and institutes are helping to combat COVID-19. Our researchers are at the forefront of global coronavirus research as illustrated in these few select examples:
 - Faculty of Health Sciences (FHS) researchers are involved in an intensive effort to understand the SARS-CoV-2 virus, the cause of the COVID-19 disease. They were part of the team that isolated the first SARS-CoV-2 virus in Ontario and are responsible for sequencing all the viruses in the province to monitor the emergence of new virus strains. They are leading the development of novel therapies for COVID-19 and have attracted more than \$30M in funding to fight COVID-19.
 - More than 100 faculty, technical staff and students from the Faculty of Engineering, through the Centre of Excellence in Protective Equipment and Materials (CEPEM) are collaborating with regional manufacturers and government agencies to design, develop and test Personal Protective Equipment (PPE) to support a Canadian supply chain. Research teams in the Faculty are also focused on rapid diagnostic testing, the development of anti-viral surfaces, coatings and therapies, and on employing machine learning and data analytics for the assessment and mitigation of the economic and social impacts of COVID-19 in Ontario and beyond.
 - Researchers in the Michael G. DeGroote Institute of Infectious Disease Research and the McMaster Immunology Research Centre received a combined \$1.8M from the federal government for research aiming to contribute to the development of effective vaccines, diagnostics, treatments, and public health responses.
 - The W. Garfield Weston Foundation, through its Weston Family Microbiome Initiative, funded two McMaster projects to boost the work to identify COVID-19 infection rates and understand why some people are more susceptible to the virus.
 - The Faculty of Social Sciences developed an internal competition to provide seed funding for six new research projects related to COVID-19; one of the awards is dedicated to Indigenous research on the impact of COVID-19.
- The McMaster Health Forum established the COVID-19 Evidence Network to Support Decision-making (COVID-END), as a time-limited international network with more than 45 evidence synthesis and knowledge translation groups worldwide. The group helps decision makers find and use the best evidence and reduce duplication.
- Experts in the Canadian Centre for Electron Microscopy (CCEM) have turned their attention to COVID-19, using their state-of-the-art equipment to help researchers and industry partners better understand the materials composition of new masks and examine special magnetic nanoparticles to scale up sufficient COVID-19 testing. The CCEM received an additional \$2M from the Canada Foundation for Innovation.
- McMaster was the first Canadian university to sign on to COVID-19 Licensing, granting participants time-limited, non-exclusive royalty-free licenses, in exchange for the licensees' commitment to rapidly make and broadly distribute products and services to prevent, diagnose, treat and contain COVID-19 and protect health care workers during the pandemic.



From the spread and prevention of COVID-19 to its social and economic impacts, to our ability to assist in novel technological innovations, McMaster's world-leading experts and institutes are helping to combat COVID-19.

- McMaster researchers continue to address the most significant health care issues facing our local, national and global communities:
 - McMaster received a Canadian Institutes of Health Research Team Grant to establish a Pan-Canadian Sepsis Network (Sepsis Canada) to work with a diverse group of researchers, patients and family partners to understand the urgency of reducing the burden of sepsis.
 - A \$20M investment from Veteran Affairs Canada allowed for the creation of the Chronic Pain Centre of Excellence for Canadian Veterans at McMaster University. The Centre – a world-leader in veteran-first chronic pain research and care – provides national leadership for research co-designed with veterans and their families, and allows Veterans access to evidence-based, high-quality pain management services closer to home.
 - The David Braley Centre for Antibiotic Discovery has opened this year and is dedicated to tackling the growing global threat of antimicrobial resistance.
 - A multi-year partnership with international biopharmaceutical Sobi and affiliate Florio GmbH will improve the quality of life for Haemophiliacs. It will allow the McMaster-created WAPPS-Hemo platform – recognized as best-

- in-class for personalized point-of-care, already reaching 475 centres and 7,000 patients globally – to expand its reach and enable further platform enhancements.
- The Bill and Melinda Gates Foundation has invested an additional \$12M US in the Institute on Ethics and Policy Innovation in the Faculty of Humanities to identify and address ethical challenges, ethics-related risk, and policy gaps that have the potential to undermine the impact of potential life-saving technologies and interventions in global health and development research.
- With more than \$2.2M from Health Canada, McMaster is leading two unique projects: The Community Paramedicine at Clinic (CP@clinic) project designed to expand the paramedic's role and the delivery of care; and the Detection of Indicators and Vulnerabilities of Emergency Room Trips scale Education, CHange, Outcomes (DIVERT ECHO) a pan-Canadian initiative which provides informal caregivers the general skills to provide care at home, and reduce caregiver stress and emergency room visits.
- The Rapid-Improvement Support and Exchange (RISE) program of the McMaster Health Forum received \$4.5M

from the Ontario Ministry of Health and Long-Term Care to expedite rapid learning and improvements in Ontario's health system to improve care experiences and health outcomes at manageable costs and with positive provider experiences.

- In addition to the McMaster Nuclear Reactor, McMaster houses an integrated suite of nuclear-related research facilities that enable discoveries in medicine, clean energy, nuclear safety, materials and environmental science:
 - McMaster is one of only a few global suppliers of I-125, the 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. Twice, for extended periods over the last year, MNR was the world's only supplier of the life-saving isotope; rising to the challenge and meeting the international demand.
 - In 2020, the Faculty of Health Sciences will install the first Multiplex Ion Beam Imaging (MIBI) system in Canada. This multi-million-dollar instrument will enable researchers to gain unprecedented understanding of disease through high-dimensional analysis of tissues that

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will permit precise characterization of the cell types within the tissues while simultaneously providing geographic information that was previously unattainable.

- McMaster is known for its innovation and excellence in advanced materials and manufacturing research:
 - McMaster is a member of NGen, the national manufacturing supercluster, and is one of three universities leading Ontario's Advanced Manufacturing Consortium (AMC), helping businesses like Honda Canada Manufacturing improve productivity and reduce production costs.
 - Researchers in the Centre for Emerging Device Technologies (CEDT) – whose focus is on photonics and optical materials and devices with diverse applications for lasers, MEMS, detectors, waveguide devices and more – collaborate with industry partners to drive research and innovation in McMaster and Canada's key strategic sectors.
 - Through the McMaster Manufacturing Research Institute (MMRI), McMaster is the only university partner in the Southern Ontario Network for Advanced Manufacturing Innovation (SONAMI), a FedDev funded network that supports local companies from prototype development to production planning

and automation. FedDev increased its investment for McMaster's activities by \$1.3M.

- The McMaster Automotive Resource Centre (MARC), a global leader on transportation electrification, engages more than 475 graduate students, undergraduates, and postdoctoral fellows and partners with multinational companies and SMEs to advance their R&D capabilities.
- McMaster researchers are recognized for their leadership in working to create equitable and sustainable societies:
 - McMaster is co-leading a multidisciplinary, pan-Canadian project designed to respond to the growing problem of sexually transmitted and blood-borne infections (STBBIs) among Indigenous populations. Awarded \$4.8M from the Canadian Institutes of Health Research, the McMaster-based Feast Centre for Indigenous STBBI Research brings together researchers, clinicians, community members, Indigenous elders, people with lived experience of STBBIs, advocacy groups, and non-profit agencies from every province.
 - The Indigenous Children Eye Exams (ICEE) project provides accessible vision screening for Indigenous children living in northern Ontario. The three-year, \$1.5M project is funded by the Weeneebayko

Area Health Authority through Indigenous Services Canada's Jordan's Principle Program.

- As part of the Faculty of Health Science's Indigenous Health Learning Lodge mandate, implementation of strategic Indigenous health research reform related activities will be achieved through collaboration with the McMaster Indigenous Research Institute. Priority activities include: wider inclusion of Indigenous health research perspectives; education and training of the Hamilton Integrated Research Ethics Board (HiREB) ethics team; fostering Indigenous graduate-level students; training non-Indigenous health researchers who aim to engage Indigenous communities; and co-hosting of Indigenous health research symposia with local community partners.
- With \$2.2M from the Canadian Institutes of Health Research, the GENDER-Q project is developing a PRO (Patient-Reported Outcomes) for gender-affirming treatment and its implementation into clinical practice. GENDER-Q – a comprehensive set of independently functioning scales that cover concepts such as appearance, body image, physical, sexual and psychosocial function – will provide meaningful, valid and reliable data on important transgender-specific, patient-centered outcomes.

- The Canadian Housing Evidence Collaborative (CHEC) – funded with a \$1.1M Social Sciences and Humanities Research Council Partnership Grant – is a pan-Canadian knowledge mobilization hub bringing researchers together with policy and decision makers, builders and advocates, in an effort to ensure the evidence-based data is put into practice.
- Rehabilitation scientists received funding from the Ontario Neurotrauma Foundation to address the needs of youth with Traumatic Brain Injury (TBI) in the Ontario Youth Criminal Justice System. They will create an implementation process for TBI screening and develop training for youth mental health court workers, probation officers and Crown Attorney office front-line staff.
- McMaster's expertise in data, smart technologies, communications and AI is helping industries, governments and policy makers make informed and evidenced-based decisions:
 - Experts in the DeGroote School of Business are working with university partners and the Region of Peel to develop models to predict traffic flow and CO2 emissions to help the municipality develop strategies to ease traffic congestion and reduce pollution due to the rise of e-commerce deliveries.
 - The Ministry of Education invested nearly \$1.5M for the province-wide implementation of the Offord Centre's Early Development Instrument tool that collects data from kindergarten classes to measure the ability of children to meet age appropriate development expectations.
 - The McMaster "Monitoring My Mobility" (MacM3) research platform secured over \$2.1M in funding to develop a mobility self-monitoring tool using leading-edge sensors and data analytics. The MacM3 team is led by the School of Rehabilitation Science and brings together experts across the Faculties, alongside older adults and caregivers.
 - A \$1.65M Natural Sciences and Engineering Research Council CREATE grant was awarded to researchers at McMaster University, University of Manitoba and University of Windsor. A team of Engineering researchers at

McMaster is using the grant to focus on developing smart technologies to monitor and analyze human activities to improve mobility in older adults in the community and health care-based settings.

- McMaster researchers are part of a new initiative – the Optical Satellite Consortium – funded by the National Research Council of Canada (NRC). Bringing together technology innovators and suppliers, product manufacturers and end-users, the R&D will focus on Photonics for Satellite Communications (SATCOM): developing a new generation of space-qualified on-board photonics subsystems and innovative photonics technologies to enable satellite-to-satellite and ground-to-satellite communications.
- The McMaster Computing Infrastructure Research Centre (CIRC) offers Innovation-as-a-Service (IaaS) – a pioneering model for industry-academy collaborations to support companies developing new products or solving specific problems cost-effectively and within short timeframes. The service is provided by a team of engineering researchers and students, working across a variety of technologies and application areas, with a focus on maximizing the value of data through algorithm development, image recognition, data fusion, natural language processing and artificial intelligence.
- The McMaster Industry Liaison Office (MILO) bridges the gap from research to commercial application and creates positive economic and social impact in the region. Recent initiatives include:
 - The 2019 Therapeutics Symposium attracted more than 100 industry professionals, researchers and students, and showcased McMaster innovations with high commercialization potential to the investment and pharmaceutical communities.
 - Together with University Technology Services (UTS) and the Faculty of Humanities, MILO developed university-wide governance and guidelines to assist McMaster faculty and staff who create and launch Apps, including those designed to support teaching, education and health care.

- McMaster Innovation Park (MIP) supports start ups and scale ups with a focus on life sciences and biotechnology; engineering and advanced manufacturing; and information and communication technology. Already home to 70 companies, with more than 800 people working on site, the University is creating new commercialization space at MIP to help researchers bring their ideas to market.

KEY OUTCOMES

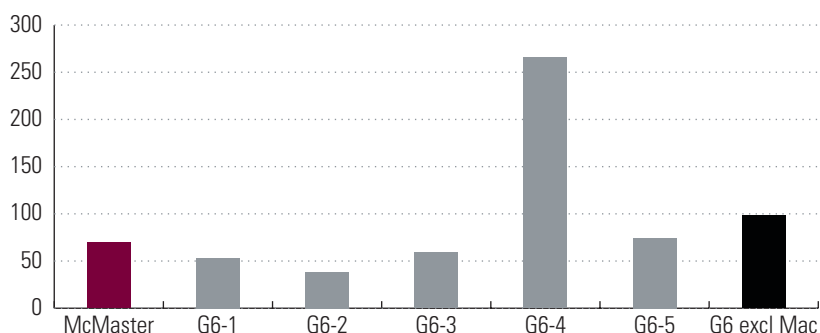
- Faculty of Health Sciences researchers are currently leading two national studies on COVID-19, including a study collecting data on aging adults' experiences during COVID-19, and the only national study with convalescent plasma approved in Canada.
- In 2020, McMaster ranked first in the country for research intensity, averaging \$404,000 per faculty member, and totalling \$372M in sponsored research income (ReSearch Infosource). We are one of only two Ontario universities consistently ranked among the world's top 100 universities and currently ranked fourth in Canada (Times Higher Education).
- From 2015 to 2019, McMaster researchers generated over \$1.8B in external research funding (ReSearch Infosource).
- The strength of McMaster's research is seen in the 2019 listing of the world's most highly-cited researchers from Clarivate Analytics. The listing included 14 McMaster researchers. Based on Clarivate Analytics data, McMaster ranks second within the U15 in Category Normalized Citation Impact (last 10 years – 2010 to 2019).
- Over the last year, MILO recorded 84 invention disclosures, 27 patents issued, \$4.68M in licensing revenues, and over 700 research-related agreements.
- McMaster has been allocated 88 Canada Research Chairs (CRCs) and is home to 118 endowed chairs, 13 endowed professorships, two Canadian Institutes of Health Research Chair, six Natural Sciences and Engineering Research Council (NSERC) Industrial Research Chairs, and two Ontario Research Chairs.

- In 2019-20, researchers, graduate students, and postdoctoral fellows received \$104.7M from the federal granting councils; \$60.8M from CIHR; \$32.6 M from NSERC; and \$11.3M from the Social Sciences and Humanities Research Council (SSHRC).
- In 2018-2019, several McMaster faculty were recognized for their research excellence: five were appointed to the Order of Canada; three were named to the Royal Society of Canada's College of New Scholars, Artists and Scientists and one was recognized as a Fellow; one was awarded a Synergy Award for Innovation from NSERC; one received an E.W.R Steacie Memorial Fellowship award from NSERC; one was awarded a Killam Research Fellowship; one was inducted into the Hamilton Gallery of Distinction; and five were named Fellows of the Canadian Academy of Health Sciences.
- Eleven researchers attracted \$2.7M from the New Frontiers Research Fund's Exploration stream, designed to support collaborative high-risk, high-reward interdisciplinary and international research.
- The MIRA | Collaborative for Health & Aging is the newest research centre in the Ontario SPOR SUPPORT Unit (OSSU) network of 15 health research centres across the province that provide scientific knowledge and support high quality patient-partnered research. The centre was formed by the McMaster Institute for Research on Aging (MIRA) and the McMaster School of Nursing's Aging, Community and Health Research Unit, for research focused on improving health and the health system for older adults.
- In 2019, seven McMaster graduate students were recipients of prestigious scholarships and fellowships – six were named Vanier scholars, placing the University second in Ontario, and one post-doctoral fellow was named a Banting Fellow.

STRATEGIC MANDATE AGREEMENT METRICS

Under the 2017-18 to 2019-20 Strategic Mandate Agreement (SMA2) with the Ministry, Ontario Universities agreed to report on a common set of system-wide metrics and targets in five priority areas. The SMA2 system level metrics shown below are those related to Goal 3.

Amount and Proportion of Tri-Agency Funding (\$000,000) 2017-18



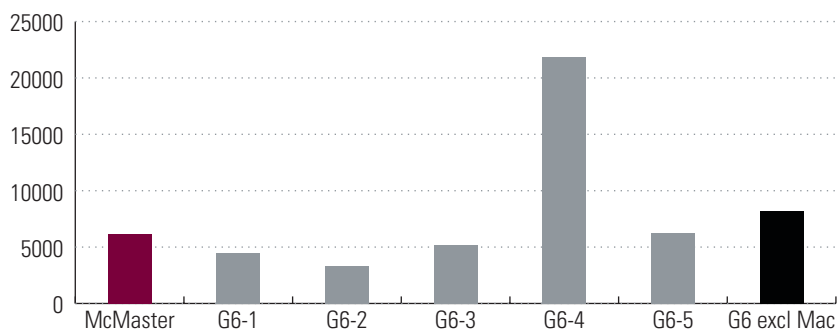
Note 1: 2017-2018 is the last comparable data available at the time of publication.

Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: Research Support Program, The Tri-Agency Institutional Program Secretariat.

Exclusions – Funding for research chairs, fellowships, scholarships, awards and prizes.

Total Number of Papers (InCites) – 2019

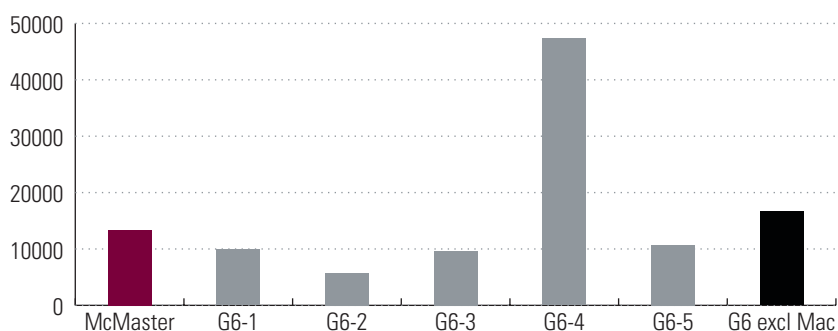


Note 1: The InCites count of Papers for 2019 is from the number of papers indexed in the Web of Science Core Collection for 2019 as of July 16, 2020.

Note 2: G6-1 to G6-5 represents McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: Clarivate InCites 2019.

Total Number of Citations (InCites) – 2019



Note 1: The InCites count of citations for 2019 is from the number of citations for papers indexed in the Web of Science Core Collection for 2019 as of July 16, 2020.

Note 2: G6-1 to G6-5 represents McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: Clarivate InCites 2019.

In 2019, McMaster received over 59,000 applications from over 43,000 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 2019, 31,404 undergraduate applicants were received from Ontario high schools.

New Student¹ Applicants From Ontario High Schools, Yield Rates - University Total, 2010-2019

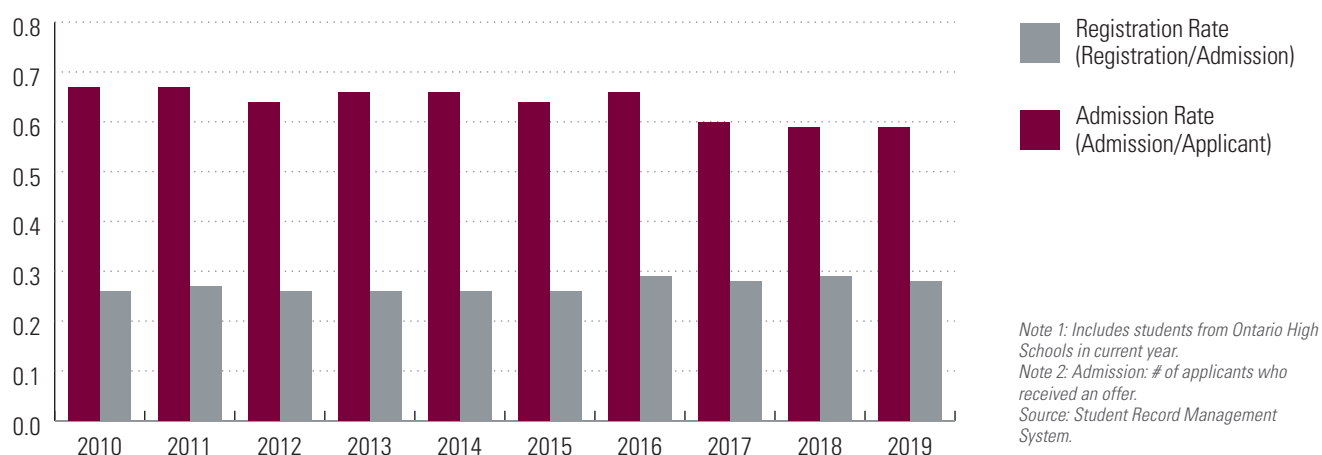
Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/ Applicant)	Confirmation Rate (Confirmation/ Admission)	Registration Rate (Registration/ Admission)
2010	25,910	17,471	4,731	4,509	0.67	0.27	0.26
2011	27,150	18,066	5,165	4,946	0.67	0.29	0.27
2012	27,370	17,604	4,767	4,594	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

Note 1: Includes students from Ontario High Schools in current year.

Note 2: Admission: # of applicants who received an offer.

Source: Student Record Management System.

Undergraduate Admission and Registration Rates by Year, 2010-2019



In 2019, applications to McMaster increased from 41,413 to 43,488.

New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2010-2019

Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2010	#	6,906	7,015	7,048	11,173	32,142
	%	21.5	21.8	21.9	34.8	100
2011	#	7,313	7,399	7,439	11,585	33,736
	%	21.7	21.9	22.1	34.3	100
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

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.

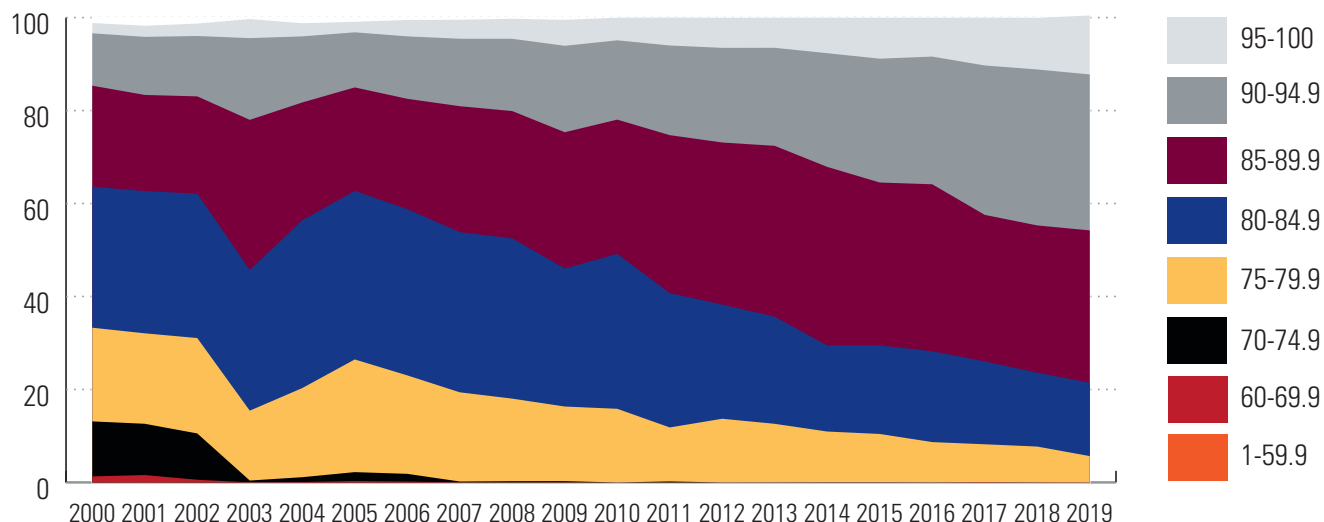
Note 3: Admission: # of applicants who received an offer.

Note 4: Multiple choices or applications can be submitted by individual students.

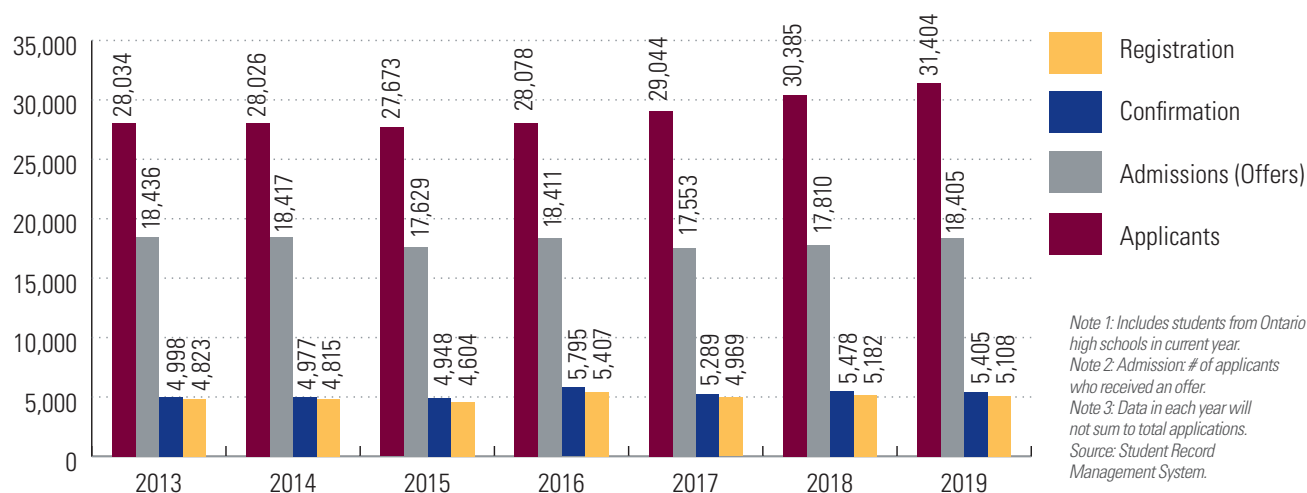
Source: Student Record Management System.

The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.5% in 2000 to 46.2% in 2019.

Grades of Entering Full-Time Undergraduate Students from Ontario High Schools—University Total, 2000-2019

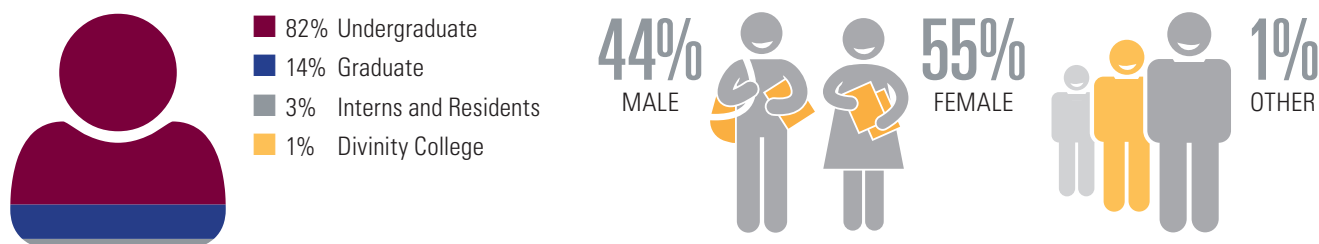


New Undergraduate Student Applicants from Ontario High Schools - University Total



Over the last 5 years, undergraduate headcount enrolment has increased 14.4%.

Total Undergraduate and Graduate Regular Session Headcount Enrolment, 2019-2020 (n=34,267)



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

Part-time enrolment was made up of 1,067 undergraduate and 758 graduate students (Fall 2019).³

Total Headcount Enrolment and Demographics, 2015-2016 to 2019-2020										
Undergraduate ¹	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	24,473	1,298	25,624	4,127	26,171	4,668	27,213	4,812	28,209	5,327
Part-Time	1,118	9,468	1,156	6,734	1111	6,906	1,077	7,179	1,067	7,763
% Part-Time	4.4	87.9	4.3	62.0	4.1	59.7	3.8	59.9	3.6	59.3
Domestic	23,917	9,934	24,722	10,110	24,693	10,299	25,187	10,247	25,414	10,882
International	1,674	832	2,058	793	2,589	1,307	3,103	1,744	3,862	2,208
% International	6.5	7.7	7.7	7.3	9.5	11.3	11.0	14.5	13.2	16.9
Male	11,746	4,746	12,342	4,722	12,316	4,908	12,671	5,168	12,953	5,696
Female	13,845	6,020	14,438	6,181	14,856	6,666	15,402	6,705	16,035	7,221
% Female (Unknown)	54.1	55.9	53.9	56.6	54.4	57.4	54.4	56.0	54.8	55.2
New³	4,964	12	5,830	4	5,458	9	5,670	5	5,816	7
Continuing/Returning	20,188	10,667	20,554	10,724	21,277	11,444	21,992	11,824	22,833	12,927
% Continuing/Returning	80.3	99.9	77.9	100.0	79.6	100.0	79.5	100.0	79.7	100.0
Live on Campus	3,642		3,737		3,623		3,601		3,969	
Off Campus	22,073		23,043		23,659		24,689		25,307	
% Off Campus	85.8		86.0		86.7		87.3		86.4	
Graduate	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Regular Session		Regular Session		Regular Session		Regular Session		Regular Session	
Full-Time	3,514		3,712		3,811		4,088		4,233	
Part-Time	760		773		750		769		758	
% Part-Time	17.8		17.2		16.4		15.8		15.2	
Domestic	3,402		3,501		3,432		3,560		3,587	
International	872		984		1,129		1,297		1,404	
% International	20.4		21.9		24.8		26.7		28.1	
Male	2,057		2,145		2,190		2,287		2,276	
Female	2,217		2,340		2,369		2,558		2,687	
% Female	51.9		52.2		52.0		52.7		53.8	
Diploma/Certificate	78		134		142		186		171	
Master's	2,768		2,907		2,960		3,144		3,212	
Doctoral	1,428		1,444		1,459		1,527		1,608	
% Doctoral	33.4		32.2		32.0		31.4		32.2	
University Total⁴	29,865		31,265		31,843		33,147		34,267	

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.

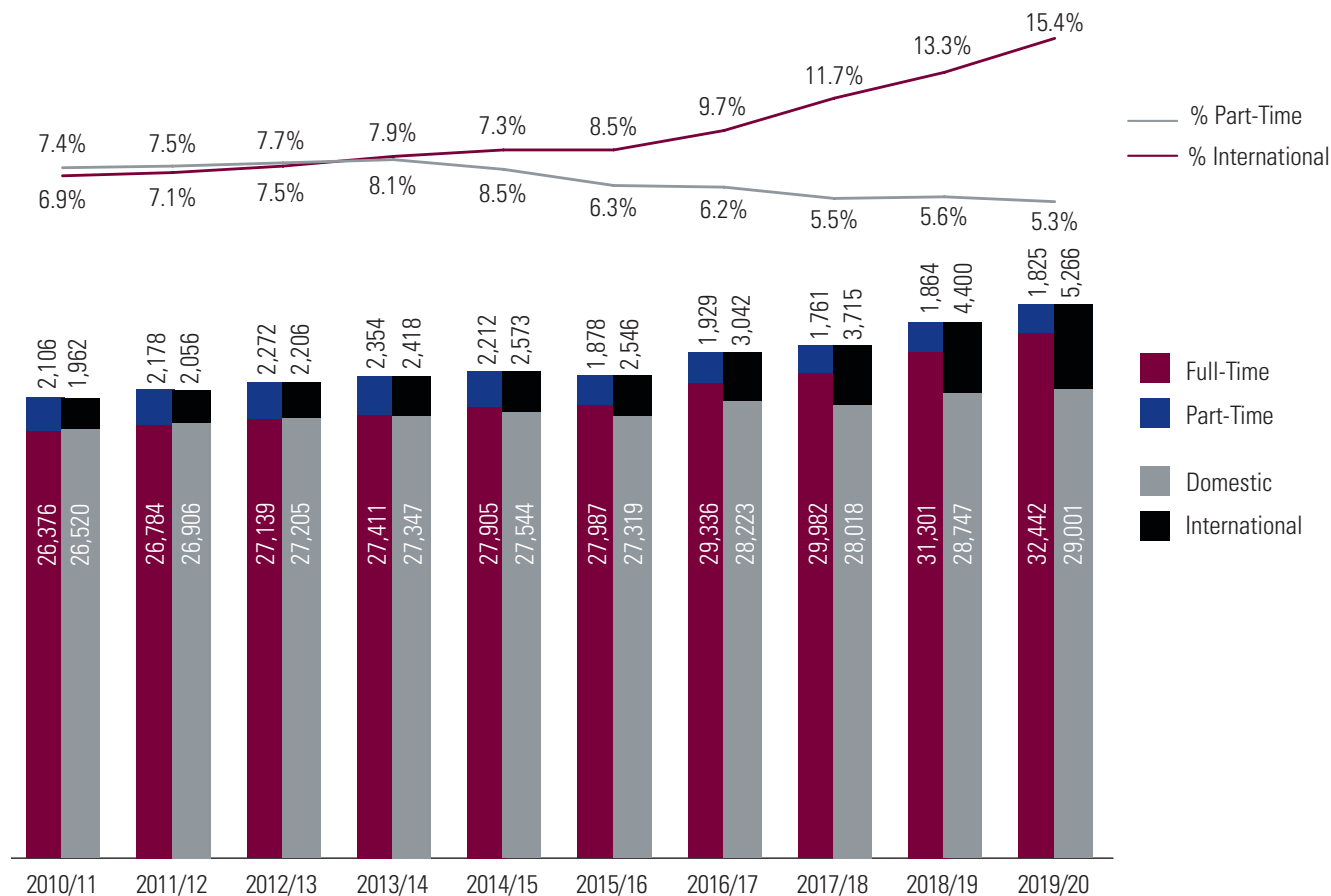
Note 4: University Total includes undergraduate and graduate regular session full-time and part-time headcount enrolment.

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, 2010-2019³



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

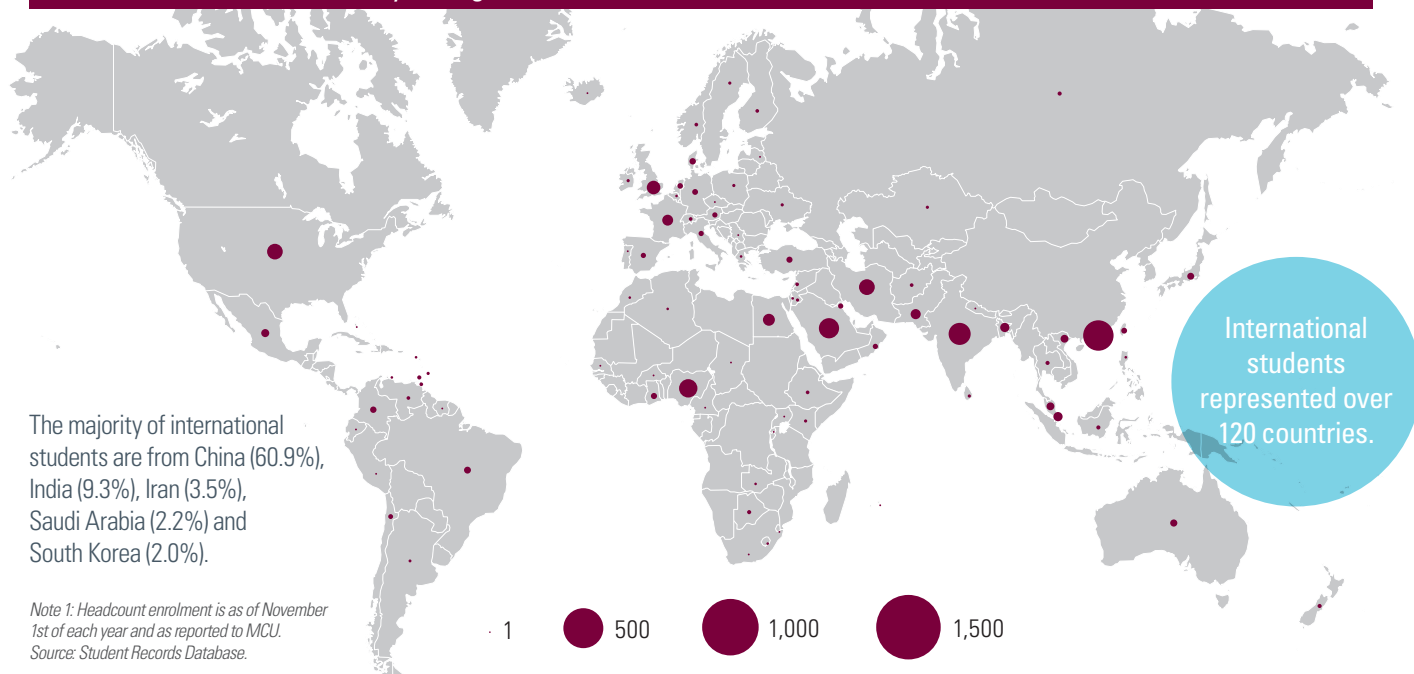
Note 2: Headcount enrolment excludes students on co-op work term.

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



Fall 2019 full-time headcount consisted of 29,276 undergraduate and 4,991 graduate students, totaling 34,267.



Undergraduate Enrolment and Demographics, 2019-2020

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	958.2	945	8	953	953	0	427	522	643	22	288
	2	839.9	813	3	816	816	0	362	453	601	9	206
	3	773.1	773	4	777	777	0	374	398	596	8	173
	4	701.8	742	46	788	788	0	334	452	644	8	136
	Other ⁵	33.7	60	2	62	56	6	34	28	4	0	58
	Total	3,306.6	3,333	63	3,396	3,390	6	1,531	1,853	2,488	47	861
Engineering³												
Engineering (Excluding Computer Science, Technology)	1	1,068.8	1,056	10	1,066	1,066	0	367	689	816	28	222
	2	1,069.9	1,089	5	1,094	1,094	0	296	795	877	32	185
	3	891.7	956	4	960	960	0	220	736	770	20	170
	4	715.4	882	43	925	925	0	210	711	772	18	135
	5	181.4	217	7	224	224	0	43	180	218	2	4
	Other	27.6	41	3	44	41	3	19	25	3	0	41
	Total	3,954.7	4,241	72	4,313	4,310	3	1,155	3,136	3,456	100	757
Computer Science	1	87.5	85	2	87	87	0	20	76	42	1	44
	2	66.7	68	2	70	70	0	9	60	42	2	26
	3	48.6	53	2	55	55	0	10	45	40	0	15
	4	58.7	60	6	66	66	0	17	48	59	1	6
	Total	261.5	266	12	278	278	0	56	220	183	4	91
Engineering Technology	1	291.5	285	2	287	287	0	36	250	222	3	62
	2	196.6	215	2	217	217	0	37	178	176	2	39
	3	278.8	321	134	455	455	0	74	358	394	6	55
	4	339.3	439	119	558	558	0	75	460	500	8	50
	Total	1,116.2	1,260	257	1,517	1,517	0	222	1,246	1,292	19	206
Engineering Total		5,332.4	5,767	341	6,108	6,105	3	1,433	4,602	4,931	123	1,054

In Fall 2019, 15.4% of all McMaster students were international, up 2% from last year.

Female undergraduate students represented 54.8% of total undergraduate enrolment in Fall 2019.

Undergraduate Enrolment and Demographics, 2019-2020 (continued)												
Undergraduate	Level	FFTE ¹	Headcount ²			Level		Gender		Geographic Origin		
		Enrol-ment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Health Sciences ⁴												
Bachelor of Health Sciences	1	311.5	288	0	288	288	0	194	88	255	28	5
	2	293.5	280	0	280	280	0	209	68	254	24	2
	3	333.8	332	0	332	332	0	200	127	302	26	4
	4	281.4	272	3	275	275	0	164	111	261	11	3
	5	8.7	5	0	5	5	0	1	4	5	0	0
	Other	7.2	5	8	13	3	10	9	4	10	0	3
	Total	1,235.9	1,182	11	1,193	1,183	10	777	402	1,087	89	17
School of Medicine	1	204	204	0	204	204	0	116	88	155	49	0
	2	205	204	0	204	204	0	113	91	191	13	0
	3	201	202	0	202	202	0	106	96	190	12	0
	Total	610	610	0	610	610	0	335	275	536	74	0
Midwifery	1	19.8	25	0	25	25	0	23	0	22	3	0
	2	25.9	29	0	29	29	0	28	0	28	1	0
	3	26.7	26	0	26	26	0	24	0	20	6	0
	4	28.5	29	1	30	30	0	29	0	25	15	0
	Total	100.8	109	1	110	110	0	104	0	95	15	0
Nursing	1	131.6	129	2	131	131	0	123	8	127	3	1
	2	126.2	126	0	126	126	0	111	13	125	0	1
	3	213.7	177	3	180	180	0	156	14	177	3	0
	4	164.9	193	2	195	195	0	158	31	192	2	1
	Total	636.4	625	7	632	632	0	548	66	621	8	3
Collaborative Nursing	1	249.4	261	6	267	267	0	232	35	265	2	0
	2	406.0	406	12	418	418	0	377	41	416	1	1
	3	320.4	300	19	319	319	0	275	44	318	0	1
	4	272.7	344	5	349	349	0	310	39	348	1	0
	Total	1,248.5	1,311	42	1,353	1,353	0	1,194	159	1,347	4	2
Interns and Residents	Other	1,145.2	1,166	0	1,166	0	1,166	578	582	684	259	223
	Total	1,145.2	1,166	0	1,166	0	1,166	578	582	684	259	223
Health Sciences Total		4,976.8	5,003	61	5,064	3,888	1,176	3,536	1,484	4,370	449	245

Students from Ontario represent 83.6% of total undergraduate enrolment in Fall 2019.

Undergraduate Enrolment and Demographics, 2019-2020 (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	543.1	558	11	569	569	0	368	191	498	12	59
	2	568.9	587	25	612	612	0	381	217	554	14	44
	3	521.9	528	43	571	571	0	378	185	533	8	30
	4	375.0	409	29	438	438	0	301	131	411	4	23
	Other ⁵	26.7	29	20	49	24	25	31	17	23	3	23
	Total	2,035.5	2,111	128	2,239	2,214	25	1,459	741	2,019	41	179
Science	1	2,212.9	2,174	7	2,181	2,181	0	1,339	833	1,749	53	379
	2	1,965.4	1,855	16	1,871	1,871	0	1,199	654	1,588	44	239
	3	1,749.6	1,729	17	1,746	1,746	0	1,119	619	1,543	29	174
	4	1,600.8	1,675	42	1,717	1,717	0	1,152	561	1,563	36	118
	5	53.6	13	0	13	13	0	6	7	12	0	1
	Other	64.3	56	42	98	21	77	54	41	74	0	24
	Total	7,646.7	7,502	124	7,626	7,549	77	4,869	2,715	6,529	162	935
Social Sciences	1	1,208.0	1,233	27	1,260	1,260	0	827	414	1,017	32	211
	2	1,165.3	1,173	48	1,221	1,221	0	793	401	1,053	23	145
	3	1,010.3	1,056	59	1,115	1,115	0	757	339	993	19	103
	4	628.1	699	48	747	747	0	559	181	684	10	53
	Other	33.5	35	18	53	29	24	46	6	24	0	29
	Total	4,045.2	4,196	200	4,396	4,372	24	2,982	1,341	3,771	84	541
Arts & Science	1	64.4	62	1	63	63	0	46	15	56	5	2
	2	67.6	67	0	67	67	0	45	21	58	8	1
	3	53.4	52	0	52	52	0	35	17	47	5	0
	4	72.8	78	1	79	79	0	55	24	71	8	0
	Other	1.5	1	3	4	0	4	2	2	3	1	0
	Total	259.6	260	5	265	261	4	183	79	235	27	3
Divinity College	1	22.2	13	12	25	24	1	7	17	17	1	7
	2	16.1	11	19	30	30	0	4	26	25	1	4
	3	4.4	0	15	15	14	1	3	12	10	0	5
	4	1.9	0	13	13	13	0	2	11	2	1	10
	5	1.9	0	13	13	13	0	3	10	7	3	3
	Other	40.0	13	73	86	68	18	23	62	59	12	15
	Total	86.6	37	145	182	162	20	42	138	120	18	44
University Total	1	7,372.8	7,318	88	7,406	7,405	1	64	4,125	3,217	1,280	5,884
	2	7,013.0	6,923	132	7,055	7,055	0	73	3,964	3,018	893	5,988
	3	6,427.4	6,505	300	6,805	6,804	1	84	3,731	2,990	730	5,933
	4	5,251.1	5,822	358	6,180	6,180	0	54	3,366	2,760	535	5,532
	5	245.6	235	20	255	255	0	1	53	201	8	242
	Other	1,379.5	1,406	169	1,575	242	1,333	12	796	767	416	884
Total		27,689.3	28,209	1,067	29,276	27,941	1,335	16,035	12,953	24,463	951	3,862

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2019-2020.

FFTE 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, 2019 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.

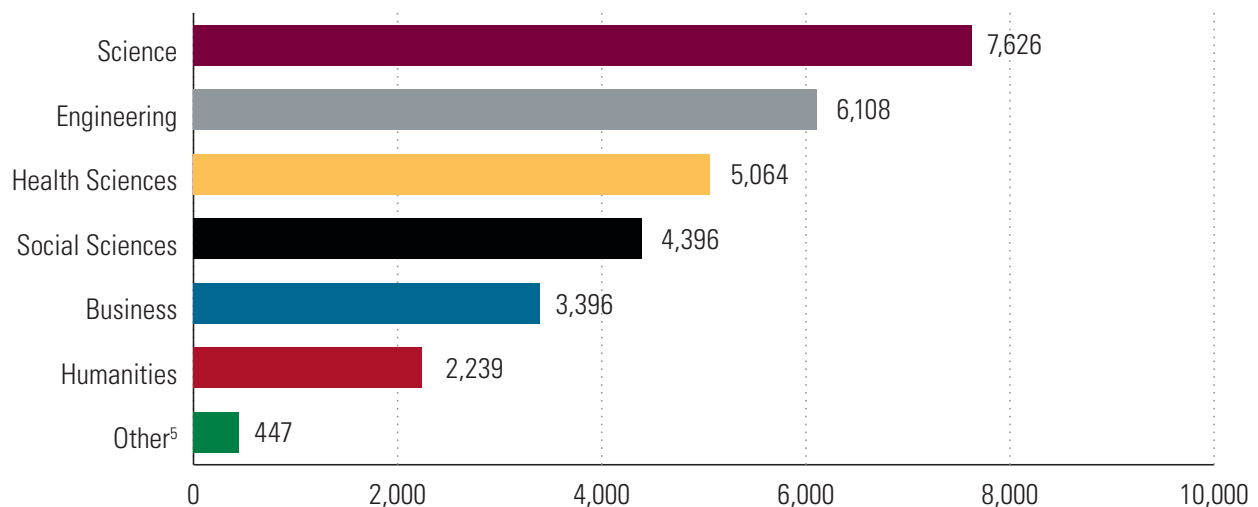
Source: Student Records Database



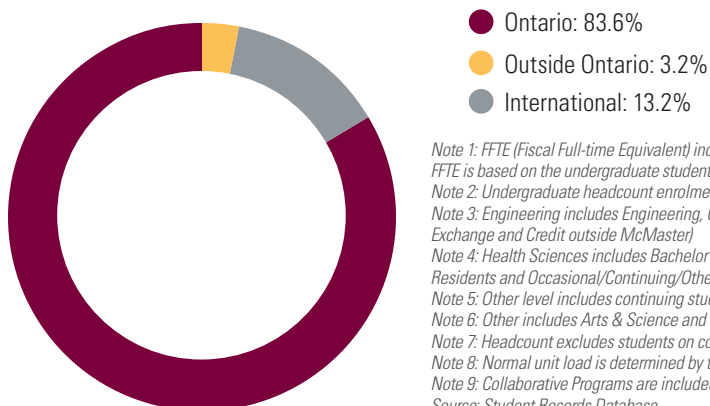
26% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 21% in Engineering and 17% in Health Sciences.

In Fall 2019, international students made up 13.2% of undergraduate student headcount enrolment.

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2019-2020 (n=29,276)

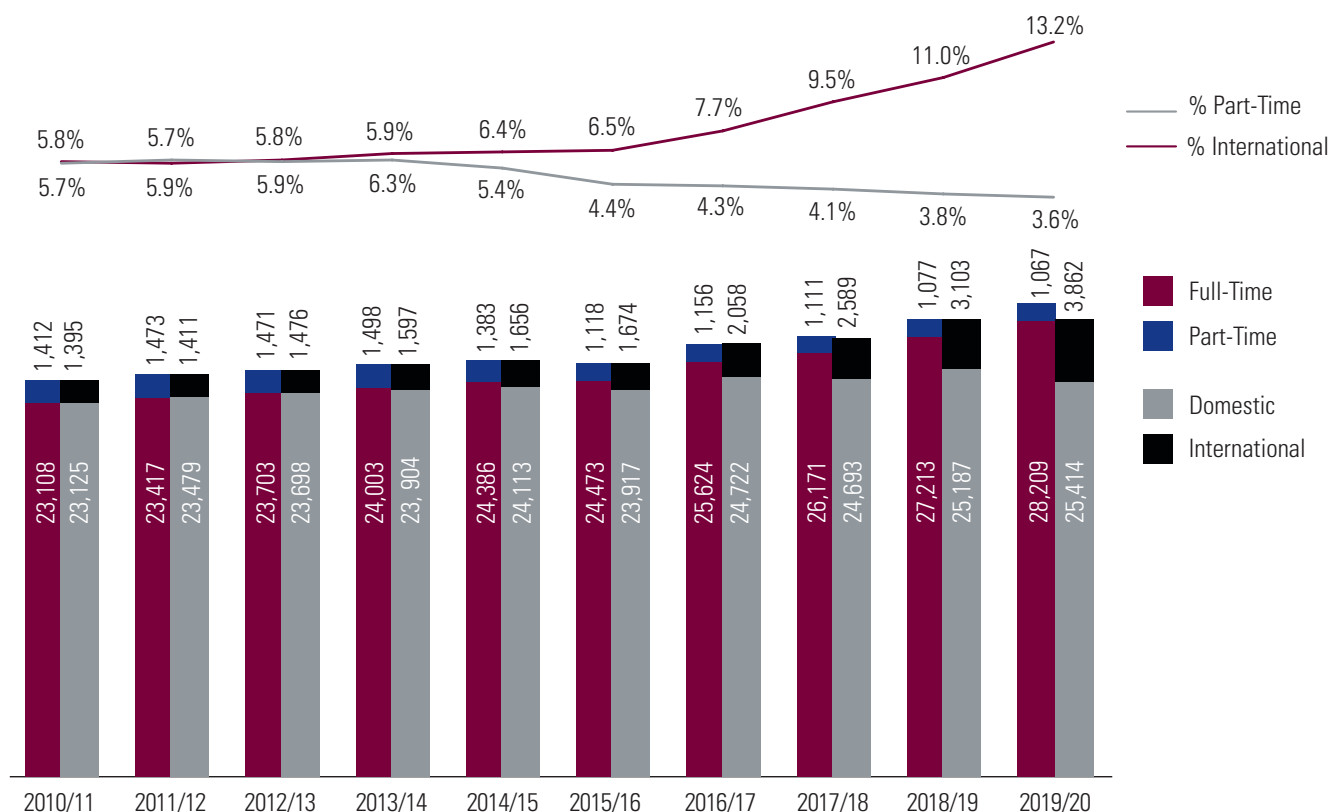


Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2019-2020 (n=29,276)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2019-2020. 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, 2019 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 Records Database

Undergraduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2010-2020³



Note 1: Headcount enrolment is as of November 1st of each year and as reported to MCJ.

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 5.8 (using new part-time definition) in 2010-2011 to 3.6 in 2019-2020.

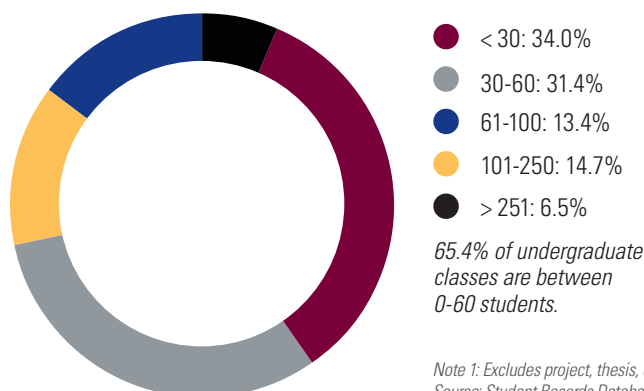
Undergraduate Class Size by Year Level, Fall 2019

Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
<30	42	17.4	85	21.2	169	34.5	212	58.6
30 – 60	51	21.1	116	28.9	181	36.9	122	33.7
61 – 100	34	14.0	70	17.5	81	16.5	16	4.4
101 – 250	58	24.0	94	23.4	56	11.4	11	3.0
>251	57	23.6	36	9.0	3	0.6	1	0.3
Total	242	100.0	404	100.0	480	100.0	346	100.0

Note 1: Excludes project, thesis, online, independent study and zero credit courses.

65.4% of undergraduate classes are between 0-60 students.

Undergraduate Class Size, Fall 2019 (n=1,495)



Note 1: Excludes project, thesis, online and zero credit courses, Arts & Science. Health Sciences includes Nursing.
Source: Student Records Database

Undergraduate Average Class Size by Faculty, Fall 2018

Faculty	Average Class Size
Business	76.3
Engineering	64.0
Health Sciences	45.6
Humanities	64.9
Science	121.5
Social Sciences	70.5

Undergraduate Enrolment and Demographics – Collaborative Programs, 2019-2020

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	124.3	130	5	135	135	0	118	17	133	2	0
	2	199.5	198	4	202	202	0	182	20	201	0	1
	3	147.0	126	11	137	137	0	111	26	136	0	1
	4	137.1	174	4	178	178	0	153	25	177	1	0
	Total	607.9	628	24	652	652	0	564	88	647	3	2
Conestoga Nursing	1	125.1	131	1	132	132	0	114	18	132	0	0
	2	206.6	208	8	216	216	0	195	21	215	1	0
	3	173.3	174	8	182	182	0	164	18	182	0	0
	4	135.6	170	1	171	171	0	157	14	171	0	0
	Total	640.6	683	18	701	701	0	630	71	700	1	0
Medical Radiation Science (Mohawk)	1	0	0	0	0	0	0	0	0	0	0	0
	2	147.8	100	1	101	101	0	90	11	98	1	2
	3	136.8	92	0	92	92	0	81	10	89	3	0
	4	96.7	97	0	97	97	0	82	15	92	3	2
	Total	381.3	289	1	290	290	0	253	36	279	7	4
Bachelor of Technology (Mohawk)	1	291.5	285	2	287	287	0	36	250	222	3	62
	2	196.6	215	2	217	217	0	37	178	176	2	39
	3	85.3	161	2	163	163	0	31	130	127	3	33
	4	238.2	317	10	327	327	0	47	280	285	2	40
	Total	811.7	978	16	994	994	0	151	838	810	10	174
Total Collaborative Programs		2,441.4	2,578	59	2,637	2,637	0	1,598	1,033	2,436	21	180

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2019-2020.

FFTE 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, 2019 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.

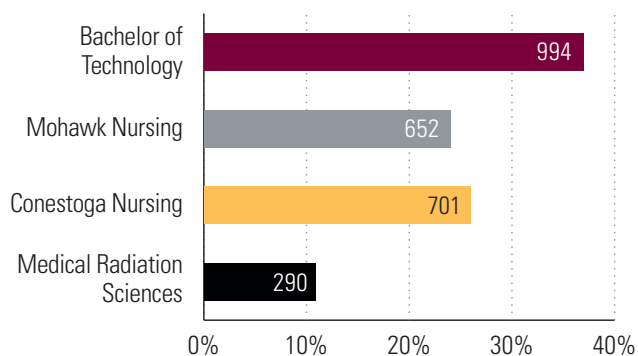
Source: Student Records Database

In Fall 2019, international graduate students represented 28% of the graduate student body.



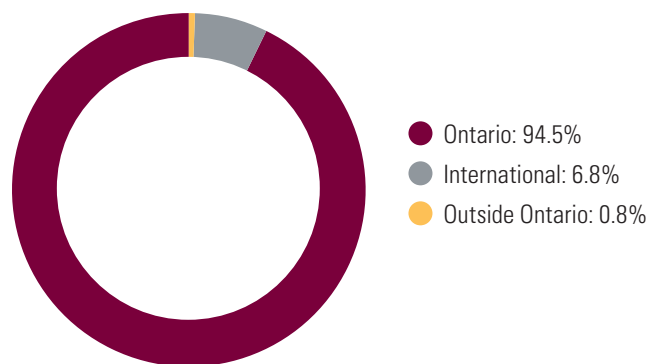
Graduate headcount enrolment comprised 14.6% of total enrolment in 2019-2020.

Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2019-2020 (n=2,637)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MCU on each count date in 2019-2020. 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, 2019 and as reported to MCU.

Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2019-2020 (n=2,637)



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 Records Database

The Faculty of Business has the highest percentage of international students (25.4%).

The Faculty of Health Sciences had the highest percentage of total graduate enrolment (26.4%).

Graduate Enrolment and Demographics, 2019-2020													
Faculty/ Department		FTE ¹	Headcount ²			Level			Gender		Geographic Origin		
		Enrol- ment	Full- Time	Part- Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	Interna- tional
Business	Business	645.3	591	181	772	671	79	18	390	381	413	28	327
	Total	645.3	591	181	772	671	79	18	390	381	413	28	327
Engineering	Chemical Engineering	96.6	96	2	98	34	64	0	38	60	48	1	49
	Civil Engineering	85.4	83	8	91	30	61	0	26	64	29	1	61
	Computing & Software	123	119	12	131	74	57	0	37	94	73	3	55
	Electrical & Computer Engineering	181	179	8	187	92	95	0	46	141	51	3	133
	Engineering Physics	75	72	10	82	40	42	0	17	65	49	4	29
	Faculty of Engineering - Exchange	47.3	47	1	48	0	0	48	15	33	1	0	47
	Materials Science & Engineering	59.6	59	2	61	16	45	0	30	31	18	3	40
	Mechanical Engineering	135	132	9	141	55	86	0	30	111	47	5	89
	School of Engineering Practice	213	209	12	221	221	0	0	51	170	39	4	178
	Total	1,015.9	996	64	1,060	562	450	48	290	769	355	24	681
Health Sciences	Biochemistry and Biomedical Sciences	173	173	0	173	87	86	0	89	84	149	5	19
	Chemical Biology	1	1	0	1	0	1	0	1	0	1	0	0
	Child Life Studies	33.6	30	12	42	42	0	0	40	2	37	5	0
	Clinical Behavioural Studies	3.3	0	11	11	0	0	11	10	1	11	0	0
	Faculty of Health Sciences	7.1	5	7	12	0	0	12	9	3	7	0	5
	Health Research Methodology	172	140	106	246	107	89	50	144	102	182	18	46
	Health Research Methods, Evidence, and Impact	55.7	53	9	62	61	1	0	52	10	56	4	2
	Health Science Education	31.7	20	39	59	59	0	0	38	21	46	10	3
	Medical Sciences	171	171	1	172	100	72	0	108	62	149	5	18
	Nursing	105	97	25	122	103	17	2	116	6	122	0	0
	Occupational Therapy	129	129	0	129	129	0	0	109	13	114	13	2
	Physiotherapy	123	123	0	123	123	0	0	79	38	106	17	0
	Rehabilitation Science	124	106	60	166	131	35	0	138	27	132	25	9
	Total	1,131	1,050	170	1,320	942	303	75	933	371	1,114	102	104

Health Sciences had the largest graduate student headcount enrolment in 2019-2020, with 1,320 students.

Graduate Enrolment and Demographics, 2019-2020 (continued)

Faculty/ Department		FTE ¹	Headcount ²			Level			Gender		Geographic Origin		
		Enrol- ment	Full- Time	Part- Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	Interna- tional
Humanities	Classics	19	19	0	19	10	9	0	9	10	15	3	1
	Communication Studies and Multimedia	39.3	27	41	68	56	12	0	49	18	53	10	5
	English and Cultural Studies	83	83	0	83	32	51	0	64	16	54	18	11
	Faculty of Humanities	7	7	0	7	0	0	7	3	4	0	0	7
	French	16	16	0	16	3	13	0	14	2	11	0	5
	Gender Studies and Feminist Research	12	12	0	12	12	0	0	11	1	8	2	2
	History	43.6	43	2	45	15	30	0	22	23	40	1	4
	Linguistics and Languages	23	23	0	23	11	12	0	16	7	18	1	4
	Philosophy	54.6	54	2	56	22	34	0	19	37	47	4	5
	Total	298	284	45	329	161	161	7	207	118	246	39	44
Science	Biology	86.3	86	1	87	51	36	0	53	34	64	5	18
	Chemistry	67.3	67	1	68	21	47	0	26	42	42	1	25
	Faculty of Science - Exchange	14	14	0	14	0	0	14	6	8	1	0	13
	Geography & Earth Sciences	82.7	80	9	89	39	50	0	47	42	71	6	12
	Kinesiology	45.9	45	3	48	23	25	0	24	24	46	1	1
	Mathematics & Statistics	85	85	0	85	53	32	0	31	54	46	6	33
	Medical Physics & Applied Radiation Science	18.9	18	3	21	13	8	0	9	12	16	1	4
	Physics & Astronomy	68	68	0	68	28	40	0	15	53	45	6	17
	Psychology, Neuroscience & Behaviour	98.3	98	1	99	27	72	0	70	29	85	4	10
	Total	566	561	18	579	255	310	14	281	298	416	30	133
Social Sciences	Anthropology	37.3	37	1	38	13	25	0	30	7	25	11	2
	Economics	56.6	56	2	58	34	24	0	23	35	34	7	17
	Faculty of Social Sciences	5	5	0	5	0	0	5	5	0	0	0	5
	Health, Aging and Society	29.3	29	1	30	9	21	0	26	3	24	3	3
	Labour Studies	21.6	21	2	23	15	8	0	12	10	20	1	2
	Political Science	57.3	57	1	58	26	32	0	28	30	50	2	6
	Religious Studies	37	37	0	37	13	24	0	13	24	19	6	12
	Social Work	53.4	51	8	59	34	22	3	46	12	55	2	2
	Sociology	38	38	0	38	16	22	0	26	12	32	3	3
	Total	336	331	15	346	160	178	8	209	133	259	35	52

The Faculty of Humanities has the highest percentage of domestic graduate students from outside Ontario in Fall 2019 (11.9%).

Graduate Enrolment and Demographics, 2019-2020 (continued)

Faculty/ Department		FTE¹	Headcount²			Level			Gender		Geographic Origin		
		Enrol- ment	Full- Time	Part- Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	Interna- tional
Interdisciplinary	Chemical Biology	29	29	0	29	17	12	0	15	14	22	6	1
	e-Health	70.5	63	25	88	88	0	0	45	42	77	2	9
	Global Health	114	114	0	114	114	0	0	89	24	96	15	3
	Globalization	13.3	13	1	14	14	0	0	9	5	14	0	0
	Health Management	58.6	19	132	151	151	0	0	113	38	123	26	2
	Health Policy	28	28	0	28	0	28	0	18	10	19	1	8
	Interdisciplinary (Research)	1	1	0	1	0	0	1	1	0	0	0	1
	Neuroscience	60.3	60	1	61	31	30	0	47	14	55	4	2
	School of Biomedical Engineering	63	63	0	63	28	35	0	34	29	42	2	19
	School of Computational Science & Engineering	31.8	30	6	36	18	18	0	6	30	17	1	18
Total		470	420	165	585	461	123	1	377	206	465	57	63
University Total	Business	645.3	591	181	772	671	83	18	390	381	417	28	327
	Engineering	1,015	996	64	1,060	562	450	48	290	769	355	24	681
	Health Sciences	1,131	1,050	270	1,320	942	303	75	933	371	1,114	102	104
	Humanities	297.5	284	45	329	161	161	7	207	118	246	39	44
	Science	566.4	561	18	579	255	310	14	281	298	416	30	133
	Social Sciences	335.5	331	15	346	160	178	8	209	133	259	35	52
	Interdisciplinary	469.5	420	165	585	461	123	1	377	206	465	57	63
Grand Total		4,460	4,233	758	4,991	3,212	1,608	171	2,687	2,276	3,272	315	1,404

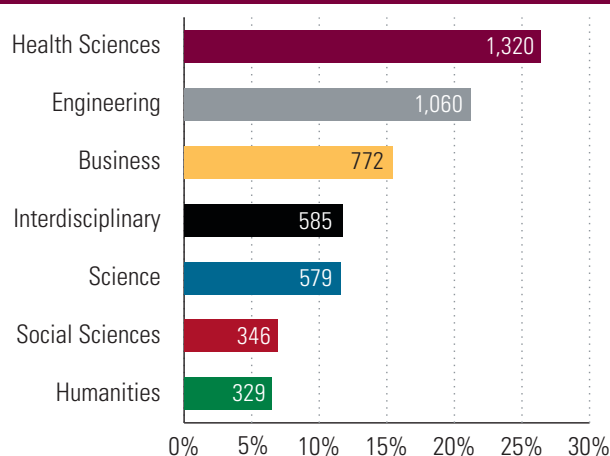
Note 1: FTE enrolment is as of November 1, 2019 and as reported to MCU. FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.

Note 2: Graduate headcount enrolment is as of November 1, 2019 and as reported to MCU.

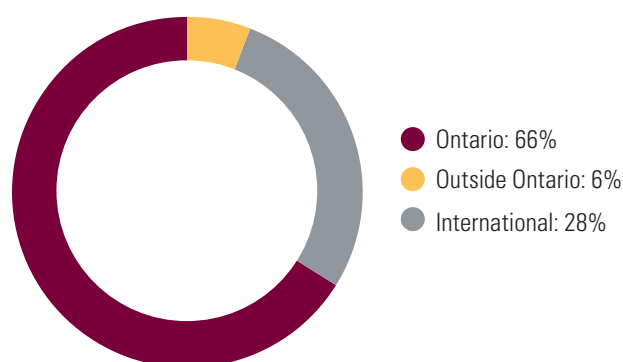
Source: Student Records Database

54% of graduate students were female (Fall 2019).

Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2019-2020 (n=4,991)



Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2019-2020 (n=4,991)



Note 1: FTE enrolment is as of November 1, 2019 and as reported to MCU.

FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.

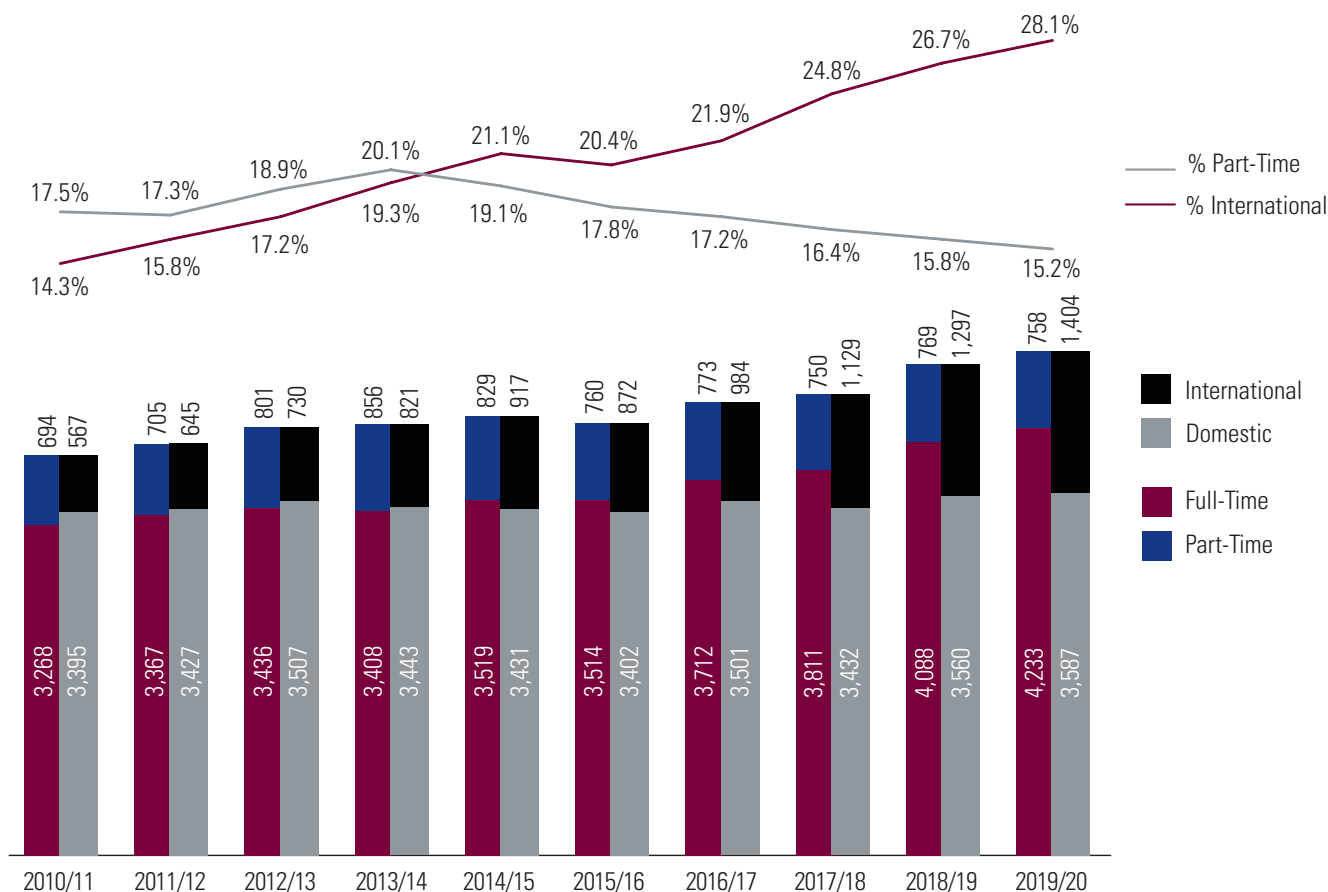
Note 2: Graduate headcount enrolment is as of November 1, 2019 and as reported to MCU.

Source: Student Records Database

The Faculty of Engineering has the highest percentage of international graduate students (64.2%).



Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2010-2020



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.



U Sports and Ontario University Athletics student athletes at McMaster represented 65 per cent (2019/20 figure) of all the student athletes.

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: www.marauders.ca

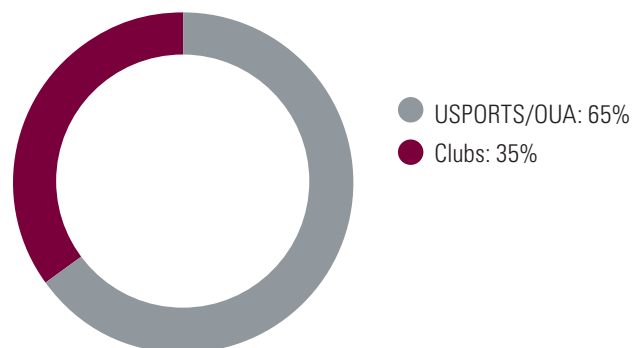
In 2019-2020, McMaster University had over 1,200 student athletes.

Student Athletes by Gender, 2019-2020 (n=1,231)



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, 2019-2020 (n=1,231)



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

7 McMaster student-athletes achieved USPORTS All-Canadian status for their respective sports and 4 McMaster student-athletes were recognized as the OUA community service award recipient for their respective sports.

McMaster athletic teams continued to excel in 2019-20:

- OUA Champions – Women's Curling
- OUA Yates Cup Champions - Football
- USPORTS Silver Medalists – Men's Cross Country Nordic Ski returned to the Marauder sport offerings after a nearly 40-year hiatus.

Student Athletes by Sport, 2015-2019

Sport		2015			2016			2017			2018			2019		
		Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
USPORTS ¹	Basketball	16	37	43.2	15	34	44.1	15	30	50.0	13	31	41.9	14	31	45.2
	Cross-Country	15	34	44.1	18	42	42.9	17	42	40.5	23	56	41.1	19	47	40.4
	Football		90			95			97			104			96	
	Rugby – Female	33	33	100.0	31	31	100.0	27	27	100.0	37	37	100.0	36	36	100.0
	Swimming	22	51	43.1	21	43	48.8	26	47	55.3	32	50	64.0	33	58	56.9
	Soccer	34	66	51.5	31	70	44.3	32	69	46.4	31	67	46.3	33	74	44.3
	Volleyball	17	35	48.6	16	34	47.1	17	35	48.6	17	35	48.6	19	38	50.0
	Wrestling	7	28	25.0	6	36	16.7	8	24	33.3	9	31	29.0	7	30	23.3
	Total	144	374	38.5	138	385	35.8	142	371	38.3	162	411	39.4	161	410	39.3
OUA ¹	Badminton	6	14	42.9	7	18	38.9	9	22	40.9	8	18	44.4	10	22	44.4
	Baseball		30			35			28			26			34	
	Golf	1	12	8.3	2	14	14.3	5	17	29.4	4	10	40.0	5	15	33.3
	Fencing	17	51	33.3	24	66	36.4	37	88	42.0	35	95	36.8	36	90	40.0
	Lacrosse – Female	20	20	100.0	23	23	100.0	20	20	100.0	24	24	100.0	21	21	100.0
	Rowing	37	73	50.7	28	69	40.6	29	61	47.5	38	74	51.4	35	72	48.6
	Rugby – Male		56			63			57			63			52	
	Squash	10	22	45.5	9	24	37.5	6	19	31.6	9	22	40.9	11	23	47.8
	Tennis	14	25	56.0	8	21	38.1	8	22	36.4	12	28	42.9	10	25	40.0
	Water Polo	15	33	45.5	12	20	60.0	16	36	44.4	12	28	42.9	18	35	51.4
	Total	120	336	35.7	113	353	32.0	130	370	35.1	142	388	36.6	146	389	37.5
Clubs	Cheerleading	31	32	96.9	31	31	100.0	26	26	100.0	34	34	100.0	29	29	100.0
	Curling	8	13	61.5	9	14	64.3	11	16	68.8	10	19	52.6	10	19	52.6
	Fastpitch	13	13	100.0	13	13	100.0				14	14	100.0	15	15	100.0
	Field Hockey	23	23	100.0	20	20	100.0	17	17	100.0	20	20	100.0	27	27	100.0
	Figure Skating	39	40	97.5	18	20	90.0	31	31	100.0	32	32	100.0	33	34	97.1
	Football – Female	136	136	100.0	96	96	100.0	108	108	100.0	124	124	100.0	109	109	100.0
	Gymnastics	17	21	81.0												
	Ice Hockey – Female	18	18	100.0	17	17	100.0	19	19	100.0	21	21	100.0	22	22	100.0
	Lacrosse – Male		26			26			28			28			27	
	Life Guarding	4	4	100.0	3	5	60.0	19	27	70.4				15	24	62.5
	Ice Hockey – Male		33			40			43						18	
	Synchro Swim	15	15	100.0	20	20	100.0	12	12	100.0	16	16	100.0	19	19	100.0
	Ultimate Frisbee	17	59	28.8	22	67	32.8	27	63	42.9	26	75	34.7	25	75	33.3
	Nordic Skiing													8	16	50.0
	Total	321	433	74.1	249	369	67.5	270	390	69.2	297	383	77.5	311	432	72.0
Grand Total		585	1,143	51.2	500	1,107	45.2	542	1,131	47.9	601	1,182	50.8	618	1,231	50.2

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

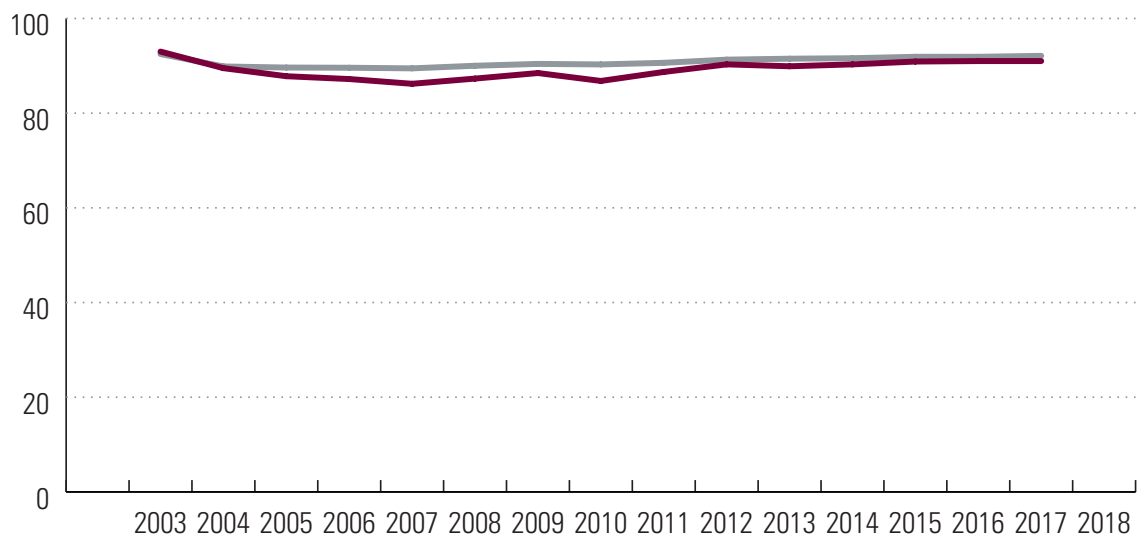


Approximately 91% of first-time, full-time, baccalaureate degree-seeking students of the 2018 entering cohort continued to second year.

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



Percent Continued to Second Year- McMaster

Percent Continued to Second Year- G6, including McMaster

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

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

Retention Rates ¹ of First-time, Full-time, Baccalaureate Degree-Seeking Students – 2015 to 2019 Entering Cohort					
Total	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	4,950	5,813	5,443	5,653	5,803
% Continued to 2nd Year	90.9	91.0	91.6	91.3	
% Continued to 3rd Year	87.2	88.1	88.7		
% Continued to 4th Year	79.6	80.1			
% Continued to 5th Year	36.6				
Female	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	2,674	3,069	2,972	3,065	3,282
% Continued to 2nd Year	91.7	92.1	93.4	92.7	
% Continued to 3rd Year	88.3	89.4	90.6		
% Continued to 4th Year	82.8	83.0			
% Continued to 5th Year	28.4				
Male	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	2,276	2,744	2,444	2,559	2,485
% Continued to 2nd Year	90.0	89.7	89.4	89.8	
% Continued to 3rd Year	85.9	86.6	86.4		
% Continued to 4th Year	75.9	76.9			
% Continued to 5th Year	46.3				
Domestic	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	4,600	5,206	4,765	4,987	4,981
% Continued to 2nd Year	91.5	91.1	92.4	92.0	
% Continued to 3rd Year	87.8	88.4	89.4		
% Continued to 4th Year	79.8	79.8			
% Continued to 5th Year	36.6				
International	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	350	607	678	666	822
% Continued to 2nd Year	83.4	89.6	85.8	86.5	
% Continued to 3rd Year	79.1	85.3	83.6		
% Continued to 4th Year	77.1	82.9			
% Continued to 5th Year	36.6				
Total G6 ³ , Including McMaster	2015	2016	2017	2018	2019
Entering Cohort Headcount ²	38,521	38,969	39,102	39,102	N/A
% Continued to 2nd Year	91.8	91.9	92.1	92.1	
% Continued to 3rd Year	86.5	86.9			
% Continued to 4th Year	81.4				
% Continued to 5th 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.

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 2019 lists N/A, as the entering cohort headcount is always one year behind.

Source: Student Records Database, CSRDE

The percentage of students graduated within four years fluctuates slightly year-over-year but has consistently remained higher than that of the G6 average.

Graduation Rates¹ of First-Time, Full-Time, Baccalaureate Degree-Seeking Students – 2011 Cohort to 2015 Cohort

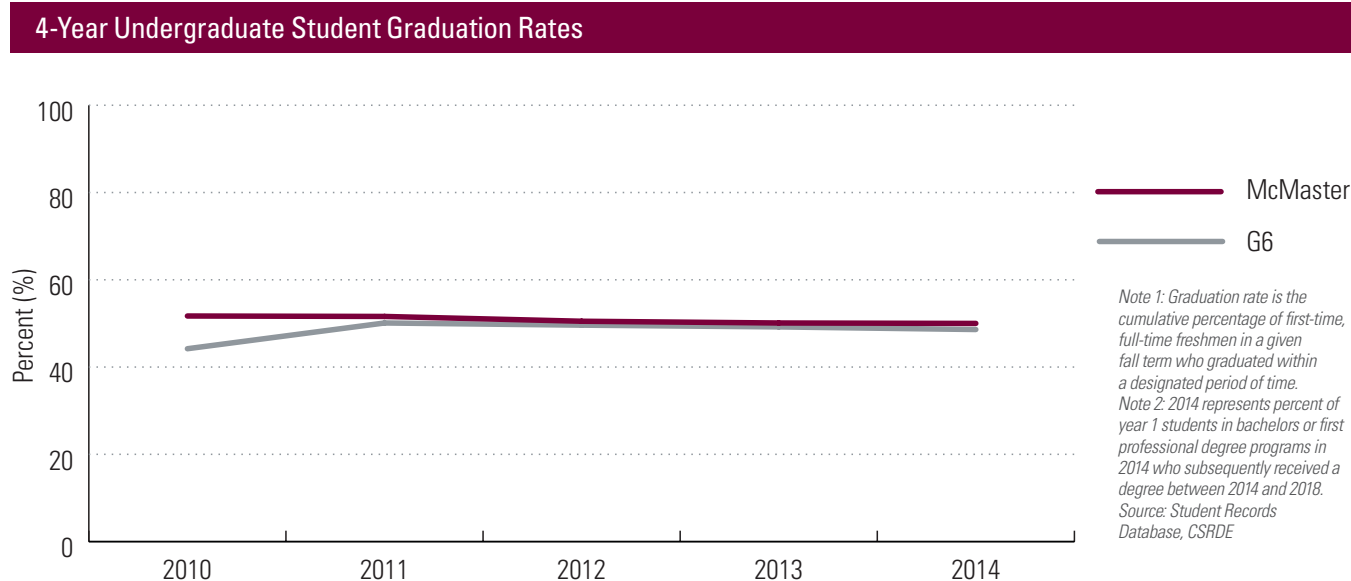
Total	2011	2012	2013	2014	2015
Cohort Headcount	5,337	4,940	5,193	5,182	4,950
% Graduated in 4 Years	51.6	50.5	49.2	48.6	47.4
% Graduated in 5 Years	72.6	74.3	74.2	74.7	
% Graduated in 6 Years	79.0	80.1	80.7		
% Graduated in 7 Years	80.5	81.5			
% Graduated in 8 Years	81.0				
Female	2011	2012	2013	2014	2015
Cohort Headcount	2,759	2,638	2,725	2,778	2,674
% Graduated in 4 Years	64.6	61.4	59.3	60.4	58.1
% Graduated in 5 Years	80.5	80.0	80.7	82.1	
% Graduated in 6 Years	83.8	83.4	83.9		
% Graduated in 7 Years	84.6	84.4			
% Graduated in 8 Years	85.0				
Male	2011	2012	2013	2014	2015
Cohort Headcount	2,578	2,302	2,468	2,404	2,276
% Graduated in 4 Years	37.7	38.0	37.9	35.0	34.8
% Graduated in 5 Years	64.2	67.7	67.0	66.1	
% Graduated in 6 Years	73.9	76.4	77.3		
% Graduated in 7 Years	76.1	78.2			
% Graduated in 8 Years	76.8				
Domestic	2011	2012	2013	2014	2015
Cohort Headcount	4,984	4,598	4,861	4,815	4,600
% Graduated in 4 Years	52.0	50.2	49.4	48.8	47.9
% Graduated in 5 Years	73.4	74.5	74.6	75.2	
% Graduated in 6 Years	79.6	80.5	81.1		
% Graduated in 7 Years	81.1	81.9			
% Graduated in 8 Years	81.6				
International	2011	2012	2013	2014	2015
Cohort Headcount	353	342	332	367	350
% Graduated in 4 Years	45.9	53.8	45.2	45.8	41.1
% Graduated in 5 Years	62.3	71.6	68.7	67.3	
% Graduated in 6 Years	71.1	75.1	75.3		
% Graduated in 7 Years	72.2	76.6			
% Graduated in 8 Years	72.8				
Total G6 ² , Including McMaster	2011	2012	2013	2014	2015
Cohort Headcount	35,390	36,259	37,072	37,281	
% Graduated in 4 Years	50.1	50.7	50.4	50.0	
% Graduated in 5 Years	71.6	72.2	72.6		
% Graduated in 6 Years	77.3	77.8			
% Graduated in 7 Years	79.1				
% Graduated in 8 Years					

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 2009 doctoral cohort study, students graduating from a PhD program at McMaster took an average of 4.7 years (median) to complete their studies.



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

Progression of 2013 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress		Promoted	
		#	%	Median Yrs	#	%	Median Yrs	#	%	#	%
Business	257	235	91.4	2.3	7	2.7	1.0	15	5.8		
Engineering	261	209	80.1	2.0	26	10.0	1.3	13	5.0	13	5.0
Health Sciences	390	327	83.8	2.0	27	6.9	1.0	16	4.1	20	5.1
Humanities	132	106	80.3	1.0	18	13.6	1.0	8	6.1		
Interdisciplinary	78	70	89.7	1.0	3	3.8	1.0	3	3.8	2	2.6
Science	170	114	67.1	2.0	16	9.4	1.0	12	7.1	28	16.5
Social Sciences	116	103	88.8	1.0	9	7.8	1.0	4	3.4		
Total	1404	1164	82.9	2.0	106	7.5	1.0	71	5.1	63	4.5

Progression of 2009 Doctoral Cohort after 9 years									
Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	11	10	90.9	5.5	1	9.1	0.3		
Engineering	77	53	68.8	4.7	20	26.0	2.0	4	5.2
Health Sciences	44	34	77.3	4.7	7	15.9	2.0	3	6.8
Humanities	31	22	71.0	5.0	8	25.8	4.8	1	3.2
Interdisciplinary	18	13	72.2	4.0	3	16.7	3.0	2	11.1
Science	99	82	82.8	4.3	16	16.2	1.7	1	1.0
Social Sciences	40	22	55.0	4.8	16	40.0	3.2	2	5.0
Total	320	236	73.8	4.7	71	22.2	2.0	13	4.1

Progression of 2012 Doctoral Cohort after 5 years									
Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	13	6	46.2	4.7				7	53.8
Engineering	93	56	60.2	4.3	15	16.1	2.0	22	23.7
Health Sciences	75	51	68.0	4.0	11	14.7	3.3	13	17.3
Humanities	41	20	48.8	5.0	13	31.7	4.0	8	19.5
Interdisciplinary	12	10	83.3	4.2	1	8.3	0.67	1	8.3
Science	75	55	73.3	4.0	10	13.3	1.3	10	13.3
Social Sciences	40	19	47.5	5.0	11	27.5	3.7	10	25.0
Total	349	217	62.2	4.3	61	17.5	2.0	71	20.3

Trend of Doctoral Progression (2009-2012 Cohorts after 5 years)								
Results/ Cohorts	2009		2010		2011		2012	
	#	%	#	%	#	%	#	%
Graduated	169	48.6	170	48.9	170	52.3	217	62.2
In Progress	109	31.3	115	33.0	105	32.3	71	20.3
Withdrawn	60	17.2	63	18.1	50	15.4	61	17.5
Total	338	100.0	348	100.0	325	100.0	349	100.0

Trend of Doctoral Progression (2006-2009 Cohorts after 9 years)								
Results/ Cohorts	2006		2007		2008		2009	
	#	%	#	%	#	%	#	%
Graduated	239	78.1	201	76.1	215	75.7	236	73.8
In Progress	2	0.7	1	0.4	1	0.4	13	4.1
Withdrawn	65	21.2	62	23.5	68	23.9	71	22.2
Total	306	100.0	264	100.0	284	100.0	320	100.0

Source: Graduate Studies and Student Records Database

From 2015 to 2019, the number of undergraduate and graduate degrees awarded increased 3.7% overall.

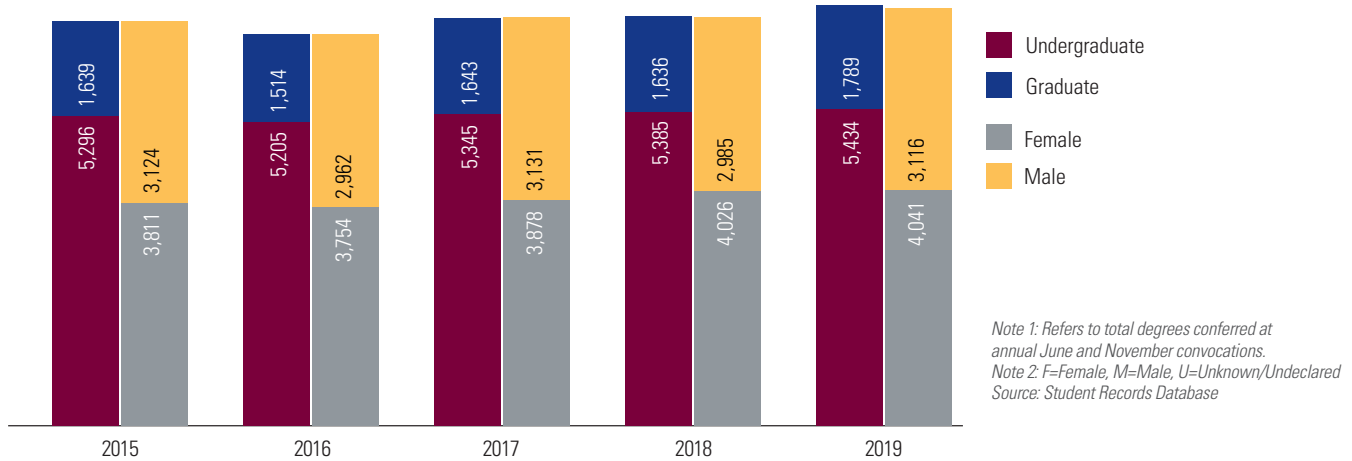
Degrees Awarded¹, 2015-2019

Faculty/Degree		2015			2016				2017				2018				2019			
		F	M	All	U	F	M	All	U	F	M	All	U	F	M	All	U	F	M	All
Business	Bachelor	231	273	504		197	253	450		239	316	555		243	293	536		240	311	551
	First Professional		1	1																
	Master's	114	192	306		111	147	258		139	150	289		129	151	280		139	166	305
	Doctoral	5	7	12		3	6	9		3	7	10		3	5	8		2	9	11
	Grad. Cert. & Diploma	27	31	58																
	Total	377	504	881		311	406	717		381	473	854		375	449	824		381	486	867
Engineering	Bachelor	128	748	876		148	742	890		172	807	979		188	766	954	4	182	811	997
	Master's	67	171	238		53	158	211		52	160	212		68	173	241		82	210	292
	Doctoral	9	46	55		9	55	64		15	56	71		20	48	68		14	38	52
	Grad. Cert. & Diploma						1	1							1	1			1	1
	Total	204	965	1169		210	956	1166		239	1023	1262		276	988	1264	4	278	1060	1342
Health Sciences	Bachelor	581	138	719		638	157	795		685	181	866	2	679	160	841	7	700	187	894
	First Professional	120	83	203		110	94	204		115	82	197		104	103	207		112	87	199
	Master's	192	71	263		188	77	265		231	80	311		227	85	312	4	263	105	372
	Doctoral	33	18	51		30	28	58		29	21	50		31	23	54		28	21	49
	Grad. Cert. & Diploma	15	2	17		21	2	23		19	8	27		14	10	24		28	14	42
	Total	941	312	1253		987	358	1345		1079	372	1451		1055	381	1438	4	1131	414	1556
Humanities	Bachelor	356	175	531		390	166	556	3	340	167	510	7	353	140	500	6	334	142	482
	Master's	72	38	110	1	77	27	105		66	29	95	1	71	36	108	4	63	27	94
	Doctoral	13	7	20		6	7	13		11	8	19		11	9	20		7	12	19
	Grad. Cert. & Diploma	4		4			1	1			2	2			2	2		2		2
	Total	445	220	665	1	473	201	675	3	417	206	626	8	435	187	630	10	406	181	597
Science	Bachelor	817	525	1342	1	778	505	1284	13	762	464	1239	20	879	481	1380	23	885	486	1394
	Master's	54	63	117		55	65	120		59	56	115		53	60	113		48	57	105
	Doctoral	29	43	72	1	28	35	64	1	34	41	76		20	26	46		23	31	54
	Total	900	631	1531	2	861	605	1468	14	855	561	1430	20	952	567	1539	23	956	574	1553
Social Sciences	Bachelor	723	334	1057		652	319	971	6	622	309	937	7	636	262	905	14	583	256	853
	Master's	63	54	117		70	38	108		74	50	124		68	36	104	2	61	28	91
	Doctoral	6	11	17		14	9	23		11	11	22		15	12	27		14	9	23
	Grad. Cert. & Diploma									2		2		1		1		1	1	2
	Total	792	399	1191		736	366	1102	6	709	370	1085	7	720	310	1037	16	659	294	969
Arts & Science	Bachelor	42	21	63		41	14	55	1	41	20	62	1	45	16	62	1	50	10	61
	Total	42	21	63		41	14	55	1	41	20	62	1	45	16	62	1	50	10	61
Inter-disciplinary	Master's	94	61	155		121	40	161	1	137	58	196		144	57	201	1	160	64	225
	Doctoral	16	11	27		14	16	30		14	8	22		15	11	26		14	14	28
	Total	110	72	182		135	56	191	1	151	66	218	1	159	68	227	1	174	78	253
Total		3811	3124	6935	3	3754	2962	6719	25	3872	3091	6988	38	4017	2966	7021	66	4035	3097	7198
Divinity College	UG. Cert. & Diploma		1	1		1	1	2						1	2	3			2	2
	First Professional	1	4	5			4	4			9	9			1	1			1	1
	Master's	4	11	15		9	18	27		6	19	25		7	15	22		5	7	12
	Doctoral	2	7	9		4	4	8			12	12		1	1	2		1	9	10
	Total	7	23	30		14	27	41		6	40	46		9	19	28		6	19	25
Grand Total		3818	3147	6965	3	3768	2989	6760	25	3878	3131	7034	38	4026	2985	7049	66	4041	3116	7223

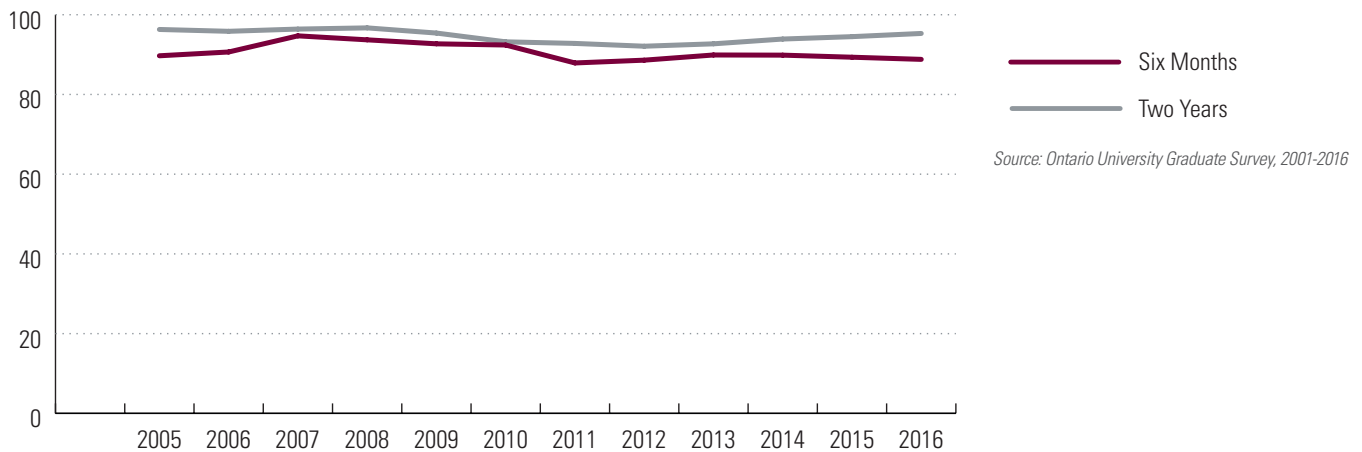
Note 1: Refers to total degrees conferred at annual June and November convocations. | Note 2: F=Female, M=Male, U=Unknown/Undeclared | Note 3: Excludes Divinity College.
Source: Student Records Database

Approximately 56% of degrees were awarded to females in 2019.
This has remained relatively constant since 2012, ranging from 55% to 57%.

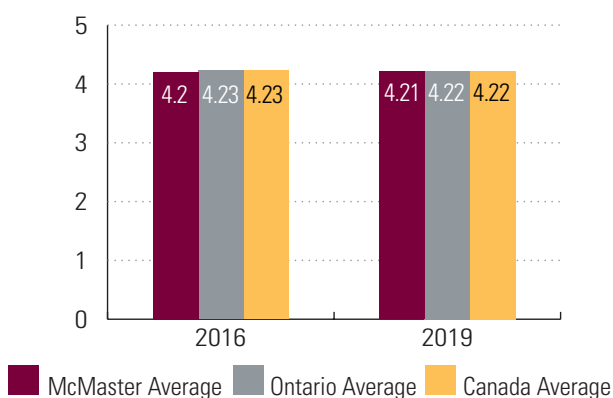
Degrees Awarded by Level and Gender, 2015-2019



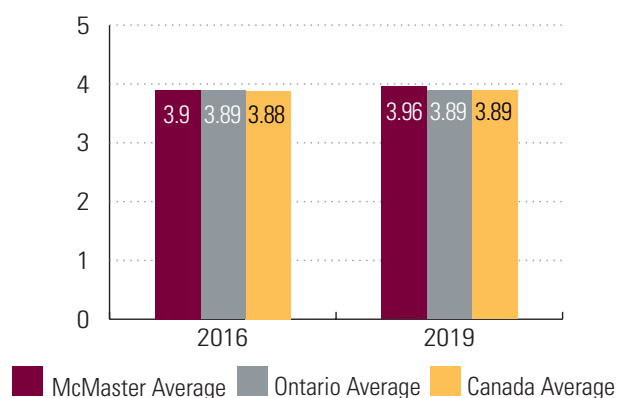
Employment Rates – 6 Months and 2 Years after Graduation



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).

The number of students receiving McMaster's Honour Awards (entrance awards) increased by 20.1 percent between 2014-2015 and 2019-2020.

Financial Aid

For more information on financial aid, please visit: <https://financial-affairs.mcmaster.ca/contact-us/>

Honour Awards by Faculty, 2014-2015 to 2019-2020 ¹												
Faculty/ Program	2014-2015		2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Total #	%	Total #	%	Total #	%	Total #	%	Total #	%	Total #	%
Arts & Science	65	1.5	67	1.5	75	1.4	61	1.2	69	1.3	58	1.1
Business	631	14.4	665	15.2	954	18.2	850	17.3	842	16.0	830	15.2
Engineering	949	21.6	902	20.7	1157	22.1	938	19.1	1206	22.9	1,109	20.9
Health Sciences	191	4.3	197	4.5	258	4.9	240	4.9	245	4.6	262	4.8
Nursing	142	3.2	118	2.7	121	2.3	110	2.2	110	2.1	121	2.2
Midwifery	3	0.1	1	0.0	4	0.1	1	0.1	6	0.1	1	0.1
Humanities	292	6.6	329	7.5	328	6.3	317	6.5	289	5.5	311	5.7
Music	14	0.3	18	0.4	23	0.4	19	0.4	21	0.4	29	0.5
Science	1,105	25.2	1,070	24.5	1197	22.8	1265	25.7	1538	29.2	1,664	30.4
Kinesiology	224	5.1	222	5.1	240	4.6	180	3.7				
Medical Radiation Science	123	2.8	112	2.6	122	2.3	97	2.0				
Mathematics & Statistics	101	2.3	104	2.4	180	3.4	176	3.6	224	4.2	265	4.8
Social Sciences	552	12.6	556	12.7	581	11.1	661	13.5	723	13.7	824	15.1
Total	4,392	100.0	4,361	100.0	5240	100.0	4915	100.0	5273	100.0	5273	100.0

2019-2020 In-Course Awards by Faculty, as of August 28, 2020³

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			75	1	8,675	9	29,945	35			38,695	45
Business			31,625	19	29,150	23	85,250	65			146,025	107
Engineering	50,000	2	148,533	27	100,666	36	157,300	120	72,615	47	529,114	232
Health Sciences			47,700	35	22,600	19	74,625	71	500	1	145,425	126
Humanities			23,798	17	53,425	55	79,750	74			156,973	146
Nursing			20,050	7	74,300	18	47,750	25			142,100	50
Science	40,000	2	82,965	47	156,100	97	180,315	169	37,750	32	497,130	347
Social Sciences			56,600	9	42,550	26	86,070	83			185,220	118
Total	90,000	4	411,346	162	487,466	283	741,005	642	110,865	80	1,840,682	1,171

Ontario Student Assistance Program Information (OSAP), 2019-2020⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	78,750,598	51,436,278	130,186,876
Graduate	12,381,449	3,530,026	15,911,475
Total	91,132,047	97,855,903	146,098,351

In 2019-2020, McMaster's students received about \$11.8 million in bursaries, of which \$3.3 million was funded through Trust Funds and \$8.5 million through operating funds.

Bursary Program Information, 2019-2020⁵

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	18,985	3,052,401.4	7,859,254.5	10,930,640.9
Graduate		256,189.2	622,028.4	878,217.6
Total	18,985	3,308,590.6	8,481,282.9	11,808,858.4

Work Program Information, 2018-2019⁶

Work Program	Fall/Winter		Summer		Total	
	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)
Total	1,925,910.04	705,167.31	3,430,522.65	1,136,093.72	5,356,432.7	1,841,261.03

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 2019-2020 OSAP data reflects program starts between August 1, 2019 and July 31, 2020 and thus encompasses the 2019-2020 Fall/Winter and 2020 Spring/Summer sessions.

Note 5: The 2019-2020 Bursary data reflects payments made during the fiscal year only (e.g. 2018 records have payment dates between May 1, 2019 and April 30, 2020).

Note 6: The 2018 records reflect the summer 2018 work program and the fall/winter 2018-2019 work program and is based on fiscal year payments/intended payments.

Note 7: Sources of work program funding include tuition reinvestment, operating and donor-established trust funds.



Since 2014-2015, the largest increase in average support for Masters students was seen in the category “Other Employment-Based Income Support” (366.7%, from \$48 to \$224).

Graduate Student Financial Support – Average by Category						
Qualification/Category/Average Support		2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
Master	Internal Fellowships/Scholarships	\$4,632	\$3,913	\$3,962	\$2,821	\$2,163
	Federal Fellowships/Scholarships	\$807	\$744	\$741	\$538	\$582
	Provincial Fellowships/Scholarships	\$1,055	\$799	\$613	\$441	\$415
	Other Bursaries/Awards/Scholarships/ Fellowships	\$804	\$997	\$729	\$691	\$1,038
	Teaching Assistantships	\$5,328	\$5,060	\$5,029	\$3,024	\$2,817
	Research Assistantships	\$5,643	\$4,422	\$4,706	\$3,578	\$3,403
	Other Employment-Based Income Support	\$48	\$206	\$368	\$202	\$224
PhD	Internal Fellowships/Scholarships	\$5,982	\$6,128	\$5,653	\$6,575	\$5,200
	Federal Fellowships/Scholarships	\$2,962	\$4,107	\$4,343	\$3,787	\$4,029
	Provincial Fellowships/Scholarships	\$1,630	\$1,557	\$1,777	\$1,739	\$1,615
	Other Bursaries/Awards/Scholarships/ Fellowships	\$6,305	\$1,530	\$1,586	\$1,515	\$1,729
	Teaching Assistantships	\$7,097	\$6,431	\$6,505	\$6,482	\$6,697
	Research Assistantships	\$5,200	\$7,490	\$7,098	\$7,845	\$7,806
	Other Employment-Based Income Support	\$196	\$504	\$572	\$897	\$927

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

Since 2014-2015, the largest increase in average support for PhD students was seen in the category “Other Employment-Based Income Support” (373%, from \$196 to \$927).

Between 2018-2019 and 2019-2020, full-time undergraduate program tuition for domestic entering students decreased by approximately 10.0 per cent on average, while the tuition for international/visa entering students saw an increase of 4.0 per cent on average.

Tuition Fees

For more information on tuition fees, please visit: www.mcmaster.ca/bms/BMS_Financial_Information.htm#fs_tf

Tuition Fees for Undergraduate Entering Cohort, 2015-2016 to 2019-2020										
Level 1 Program	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977	6,043	30,774
Business	8,980	28,584	9,428	30,299	9,900	32,723	10,394	35,341	9,355	38,168
Engineering	11,947	36,722	12,544	38,925	13,171	42,039	13,829	45,402	12,446	49,041
Health Sciences	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449	6,043	32,394
Humanities	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977	6,043	30,774
Kinesiology	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449	6,043	32,394
Medical Radiation Science	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449	6,043	32,394
Medicine	26,056	95,000	26,577	95,000	27,241	95,000	27,922	95,000	25,130	95,000
Midwifery	8,400		8,652		8,912		9,179		8,261	
Nursing	6,145	26,201	6,329	27,773	6,519	29,995	6,714	32,395	6,043	35,634
Science	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449	6,043	32,394
Social Sciences	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977	6,043	30,774

Tuition Fees for Graduate Entering Cohort, 2015-2016 to 2019-2020

Year 1 Master's/ Doctoral Program	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Research Based Full-time	7,008	16,761	7,008	16,761	7,008	17,096	7,008	17,096	6,307	17,096
Research Based Part-time	3,504	8,601	3,504	8,601	3,504	8,773	3,504	8,773	3,154	8,733
Course Based Full-time	8,108	18,832	8,513	19,962	8,939	21,559	9,386	23,283	8,447	25,612
Course Based Part-time	4,054	9,664	4,257	10,244	4,470	11,063	4,693	11,948	4,224	13,143
MBA¹ Full-time	17,623	34,030	18,504	36,072	19,429	38,957	20,012	38,957	18,011	39,736
MBA Part-time (per course)	2,203	4,254	2,313	4,509	2,429	4,870	2,550	4,870	2,295	4,967
UNENE² (per half-course)	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,250	2,250
Master of Communications (per half-course)	3,793	4,254	3,945	4,509	4,142	4,870	4,349	5,259	4,566	5,785
MEEI³ Full-time	20,022	30,636	20,022	30,636	20,022	33,087	10,800	34,738	9,720	39,000
MEEI Part-time	10,008	15,312	10,008	15,312	10,008	16,537	6,000	16,537	5,400	17,362
MEPP⁴ Full-time	17,418	22,661	18,289	24,927	18,289	26,921	10,800	29,100	9,720	33,000
MEPP Part-time	8,937	11,626	9,384	12,788	9,384	13,812	6,000	14,929	5,400	16,137
M Eng Design⁵ Full-time	17,418	22,661	18,289	24,927	18,289	26,921	10,800	29,100	9,720	33,000
M Eng Design Part-time	8,937	11,626	9,384	12,788	9,384	13,812	6,000	14,929	5,400	16,137
Occupational Therapy	9,971	35,458	10,469	37,585	10,993	40,592	11,542	43,840	10,388	48,224
Physiotherapy	9,971	35,458	10,469	37,585	10,993	40,592	11,542	43,840	10,388	48,224

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





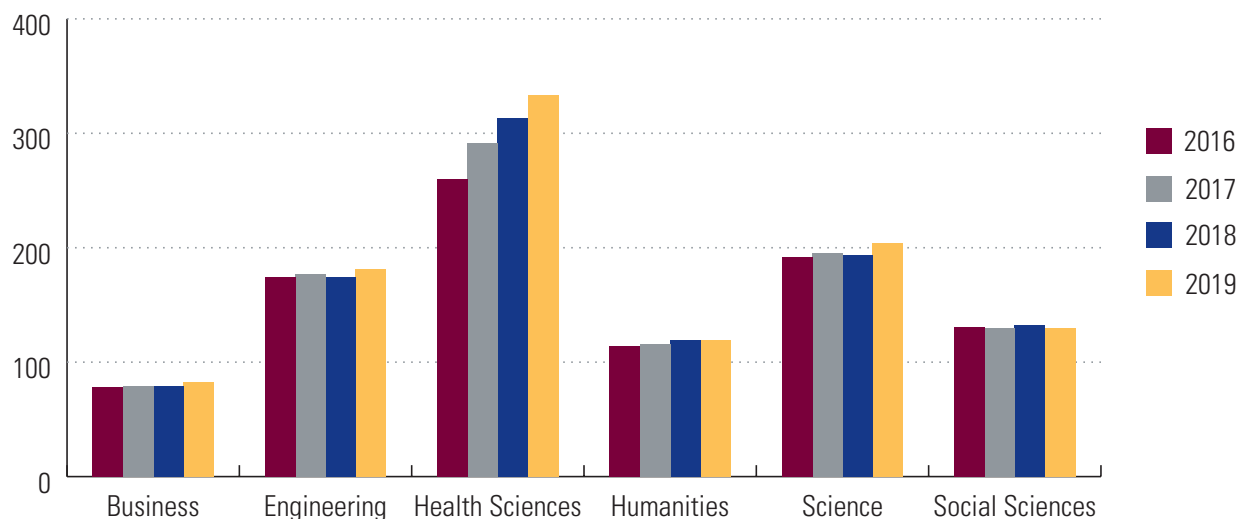
As of Fall 2019, there were 1,050 full-time instructional faculty (excluding clinical educators).

Faculty

For more information on faculty, please visit: <https://ira.mcmaster.ca/what-we-do/analysis/>

As of October 1, 2019, McMaster has 1,050 full-time faculty members, of which 39 per cent were female. 95.1 per cent of the full-time faculty hold doctoral degrees and 67.1 per cent of faculty members were tenured and Continuing Appointment Without Review (CAWAR).

Full-Time Faculty Count by Faculty, 2016-2019⁴



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, 2016-2019

Faculty/Department ¹		2016			2017			2018			2019		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Business	Accounting and Financial Management Services	6	3	9	8	2	10	6	3	9	7	3	10
	Finance and Business Economics	15	2	17	14	3	17	16	4	20	15	4	19
	Health Policy and Management	3	3	6	3	3	6	4	3	7	4	4	8
	Human Resources and Management	8	6	14	8	6	14	8	5	13	7	6	13
	Information Systems	6	3	9	5	3	8	4	3	7	4	3	7
	Marketing	8	1	9	8	1	9	8	0	8	10	1	11
	Operations Management	6	1	7	7	0	7	7	0	7	7	0	7
	Strategic Management	4	3	7	5	3	8	5	3	8	5	3	8
	Total	56	22	78	58	21	79	58	21	79	59	24	83
Engineering	Bachelor of Technology	20	2	22	19	2	21	19	1	20	20	2	22
	Chemical Engineering	14	4	18	16	4	20	15	4	19	17	4	21
	Civil Engineering	14	4	18	14	4	18	15	5	20	16	5	21
	Computing and Software	21	3	24	21	3	24	20	3	23	21	3	24
	Electrical and Computer Engineering	27	4	31	27	4	31	27	4	31	28	4	32
	Engineering Physics	15	2	17	16	2	18	16	2	18	16	2	18
	Material Science and Engineering	13	2	15	12	2	14	13	2	15	13	3	16
	Mechanical Engineering	23	2	25	23	4	27	20	4	24	20	4	24
	Engineering Practice	3	1	4	3	1	4	3	1	4	2	1	3
	Total	150	24	174	151	26	177	148	26	174	153	28	181
Health Sciences ⁴	Anesthesia	1		1	1	0	1	2	1	3	3	2	5
	Biochemistry and Biomedical Sciences	19	8	27	20	8	28	20	9	29	18	8	26
	Health Research Methods, Evidence and Impact	23	14	37	25	16	41	25	16	41	24	15	39
	Family Medicine	2	2	4	3	6	9	3	8	11	5	9	14
	Medicine	42	13	55	49	15	64	53	24	77	54	31	85
	Obstetrics and Gynecology	2	4	6	2	6	8	3	7	10	3	8	11
	Oncology	3	2	5	3	2	5	2	2	4	2	1	3
	Pathology and Molecular Medicine	19	7	26	19	8	27	18	8	26	15	9	24
	Pediatrics	5	4	9	5	9	14	6	9	15	10	14	24
	Psychiatry	7	10	17	6	10	16	6	11	17	8	11	19
	School of Nursing	4	37	41	4	36	40	4	35	39	4	33	37
	School of Rehabilitation Science	3	23	26	2	29	31	2	24	26	2	24	26
	Surgery	4	2	6	6	2	8	11	4	15	14	6	20
	Total	134	126	260	145	147	292	155	158	313	162	171	333

Full-Time faculty consisted of 434 (41.3%) full professors, 299 (28.5%) associate professors, 311 (29.6%) assistant professors and 16 (1.5%) lecturers.

Full-Time Faculty Count by Faculty and Department, 2016-2019 (Continued)

Faculty/Department ¹		2016			2017			2018			2019		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Humanities	Classics	4	2	6	4	2	6	4	3	7	4	3	7
	Communication Studies and Multimedia	9	8	17	9	8	17	9	8	17	8	10	18
	English and Cultural Studies	8	14	22	8	14	22	8	14	22	8	13	21
	French	4	3	7	4	3	7	4	4	8	4	4	8
	History	12	8	20	11	9	20	12	9	21	11	8	19
	Humanities								1	1	1	1	1
	Linguistics and Languages	4	8	12	4	8	12	4	8	12	4	8	12
	Wilson Institute											2	2
	Philosophy	7	7	14	8	8	16	7	8	15	8	7	15
	School of the Arts	7	9	16	8	8	16	8	8	16	8	8	16
	Total	55	59	114	56	60	116	56	63	119	55	64	119
Science	Biology	20	13	33	20	13	33	20	12	32	21	12	33
	Chemistry	21	4	25	22	4	26	22	4	26	22	4	26
	Geography and Earth Sciences	18	4	22	19	3	22	18	4	22	20	5	25
	Integrated Science Program	2	2	4	2	5	7	2	7	9	2	8	10
	Kinesiology ²	9	6	15	10	6	16	10	6	16	11	7	18
	Mathematics and Statistics	30	6	36	29	7	36	29	6	35	32	5	37
	Physics and Astronomy	21	6	27	20	6	26	20	5	25	20	6	26
	Psychology, Neuroscience and Behaviour	18	12	30	17	12	29	18	11	29	18	11	29
	Total	139	53	192	139	56	195	139	55	194	146	58	204
Social Sciences	Anthropology	7	7	14	7	7	14	7	8	15	6	9	15
	Economics	20	9	29	19	10	29	19	8	27	21	8	29
	Health, Aging, and Society	4	7	11	5	7	12	5	10	15	5	8	13
	Indigenous Studies ²		1	1		1	1		1	1		1	1
	Labour Studies	3	4	7	3	4	7	3	5	8	2	5	7
	Political Science	13	7	20	13	7	20	13	7	20	13	8	21
	Religious Studies	11	4	15	9	5	14	9	5	14	8	5	13
	School of Social Work	3	11	14	2	11	13	2	11	13	2	12	14
	Sociology	8	12	20	8	12	20	8	11	19	7	9	16
	Total	69	62	131	66	64	130	66	66	132	65	65	130
Grand Total		603	346	949	615	374	989	622	389	1,011	640	410	1,050

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

McMaster's Full-Time faculty members have an average age of 51.8 years, with an average of 15.6 years at the university.

Full-Time Faculty Statistics, 2019-2020								
Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	31	83	37	132	37	114	434
	Average Age	62.3	56.6	60.9	57.6	58.5	59.4	58.6
	Average Years in University	23.1	18.9	24.2	21.7	18.7	20.6	20.9
	% Tenured/Tenure-Track	96.8	98.8	100	100	100	99.1	99.3
Associate Professor	No. in Rank	26	39	57	43	51	83	299
	Average Age	54.4	50.0	53.1	50.4	51.5	49.9	51.3
	Average Years in University	15.4	13.0	14.7	14.5	12.9	12.8	13.7
	% Tenured/Tenure-Track	84.0	89.7	94.7	79.0	94.1	90.4	89.3
Assistant Professor	No. in Rank	24	57	25	29	40	136	311
	Average Age	41.9	41.7	40.2	39.6	43.9	42.6	42.1
	Average Years in University	5.9	6.3	5.0	5.4	6.5	5.1	5.6
	% Tenured/Tenure-Track	41.7	54.4	40.0	27.6	45.0	66.2	53.7
Lecturer	No. in Rank	2	2			2		6
	Average Age							44.3
	Average Years in University							8.3
	% Tenured/Tenure-Track							0
Total Faculty	No. in Rank	83	181	119	204	130	333	1,050
	Average Age	53.5	50.4	52.8	53.5	51.0	50.2	51.5
	Average Years in University	15.3	13.6	15.6	17.9	12.5	12.3	14.2
	% Tenured/Tenure-Track	73.5	81.8	84.0	85.3	79.2	83.5	82.3

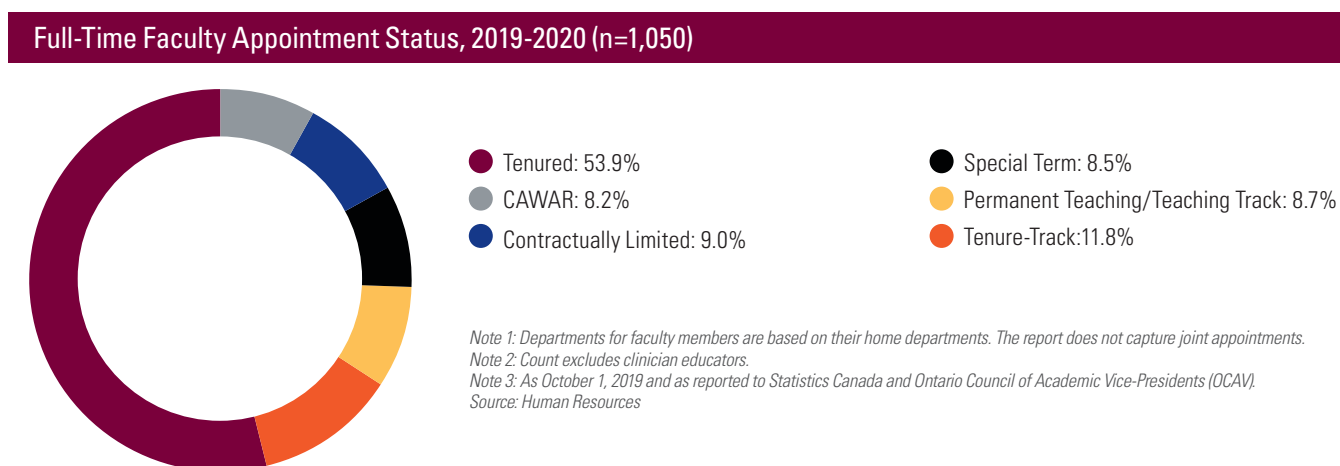
Note 1: No statistics are reported for groups with less than 5 individuals.

Note 2: Health Sciences % Tenure/Tenure-Track also includes CAWAR and Special appointments.

Note 3: As of October 1, 2019 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

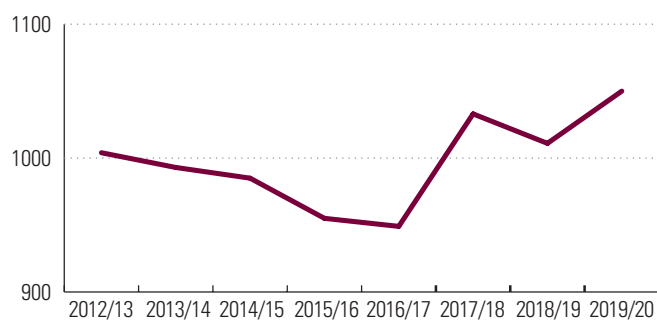
Source: Human Resources

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



95.1% of full-time faculty members have a PhD or MD.

Full-Time Faculty Count , 2012/13 to 2019/20

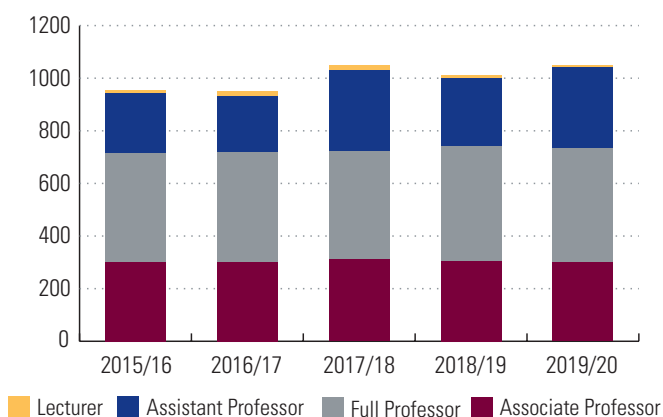


Note 1: Excludes clinician educators.

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 , 2015/16 to 2019/20



Note 1: Excludes clinician educators.

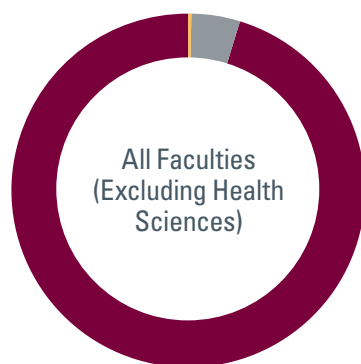
Note 2: As of October 1st of each year and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV)

Source: Human Resources

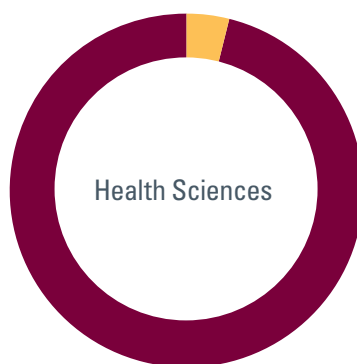
Highest Degree of Full-Time Faculty Members, 2019-2020

Faculty	% PhD/MD	% Master's	% Other
Business	86.7	12.0	1.2
Engineering	95.0	4.9	0.0
Humanities	92.4	7.5	0.0
Science	99.5	0.5	0.0
Social Sciences	93.8	5.4	0.8
Sub-total	94.7	5.0	0.3
Health Sciences	96.1	3.6	0.3
University Total	95.1	4.6	0.3

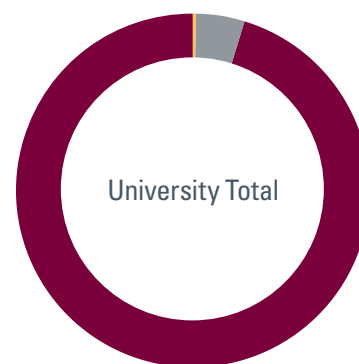
Highest Degree of Full-Time Faculty Members (n=1,050)



Other: 0.3%
Master's: 4.6%
PhD/MD: 95.1%



Other: 3.9%
PhD/MD: 96.1%



Other: 0.3%
Master's: 4.6%
PhD/MD: 95.1%

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, 2019 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)

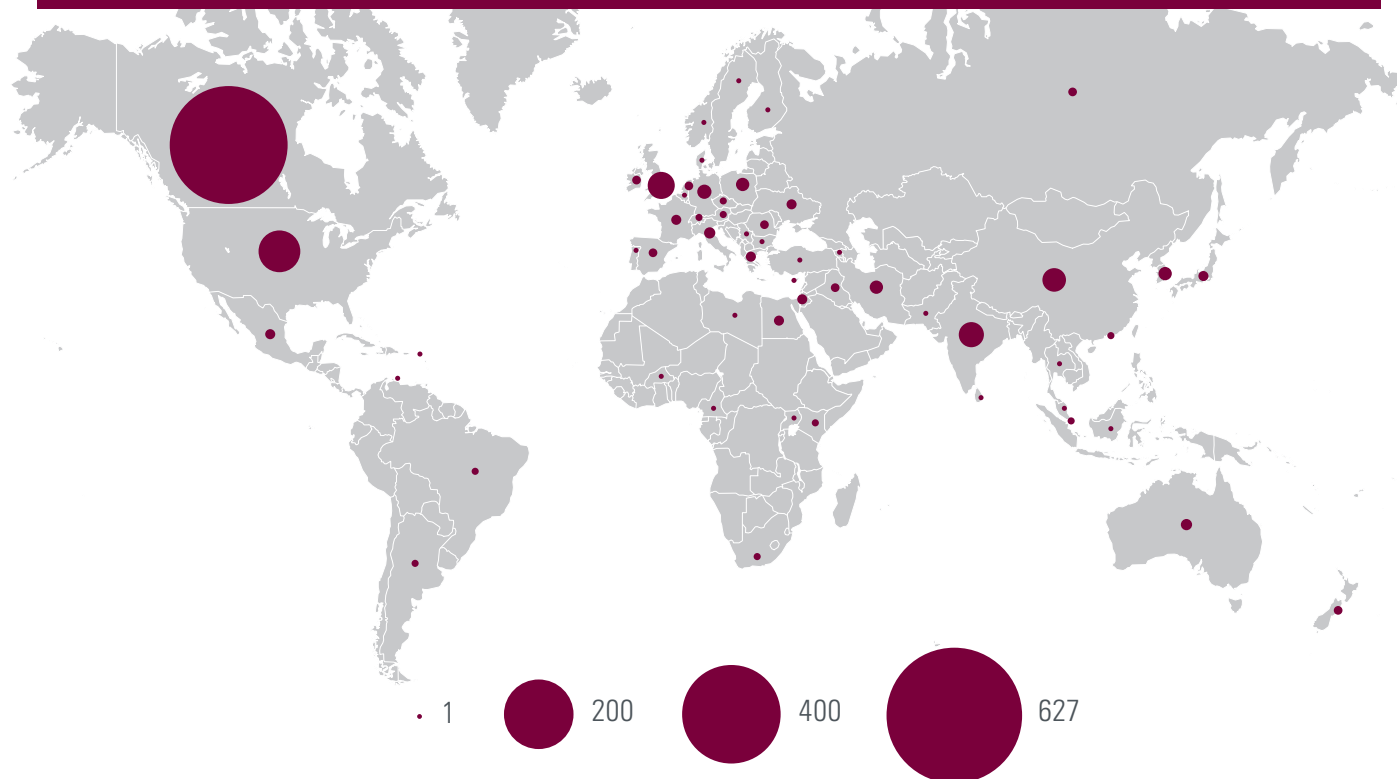
Country of Highest Degree Earned of Full-Time Faculty Members, 2019-2020						
Faculty	Canada	U.S.A.	United Kingdom	Australia	Japan	All Other Countries
Business	45	29	2	1	0	6
Engineering	94	44	11	2	6	24
Humanities	68	35	9	0	0	7
Science	113	58	15	1	2	15
Social Sciences	73	37	10	0	0	10
Sub-total	393	203	47	4	8	62
Health Sciences	240	24	15	4	0	50
University Total	633	227	62	8	8	112

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, 2019 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

Source: Human Resources

Full-Time Faculty Member by Citizenship, 2019-2020



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



Faculty members earned their highest degrees in over 30 countries. Most (88%) were earned in Canada, the United States and the United Kingdom.

39% of full-time faculty were Females (Fall 2019).

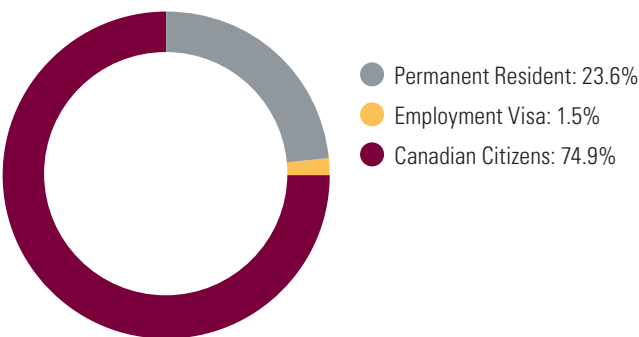
Countries with Highest Representation, 2019-2020

As a percent of all full-time faculty members

Canada	72.6%
United States	5.8%
United Kingdom	2.1%
India	2.1%
China	2.0%
All Other Countries	15.4%

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

Full-Time Faculty by Immigration Status, 2018-2019¹



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



McMaster researchers are playing a leading role in working to address the most significant global issues.



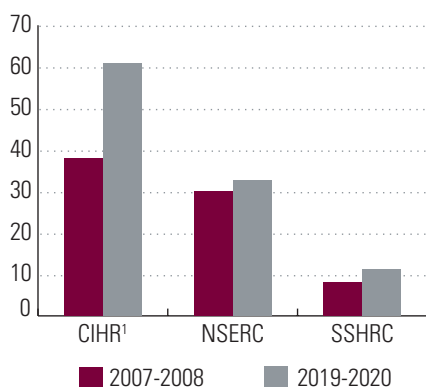
Research Grants

McMaster's estimated total research income for 2019/20 is \$353.5 million, including affiliated hospitals. (Note: final 2019/20 amounts were not available at the time of printing.)

Approximately \$104.7 million was received from the Tri-Agencies in 2019/20, including \$60.8 million from Canadian Institutes of Health Research (CIHR), \$32.6 million from Natural Sciences & Engineering Research Council (NSERC), and \$11.3 million from Social Sciences & Humanities Research Council (SSHRC).

While the pandemic brought challenges to our research activities on campus, McMaster researchers pivoted to turn their attention to address COVID-related issues from virtually every perspective. Across the faculties, our community redirected their focus to broaden our knowledge and understanding of the virus – from building capacity for vaccine development, therapeutics and diagnosis to advancing cures and effective treatments; from repurposing equipment and manufacturing PPE to looking at the collateral damage on populations and economies both now and in a post-COVID world.

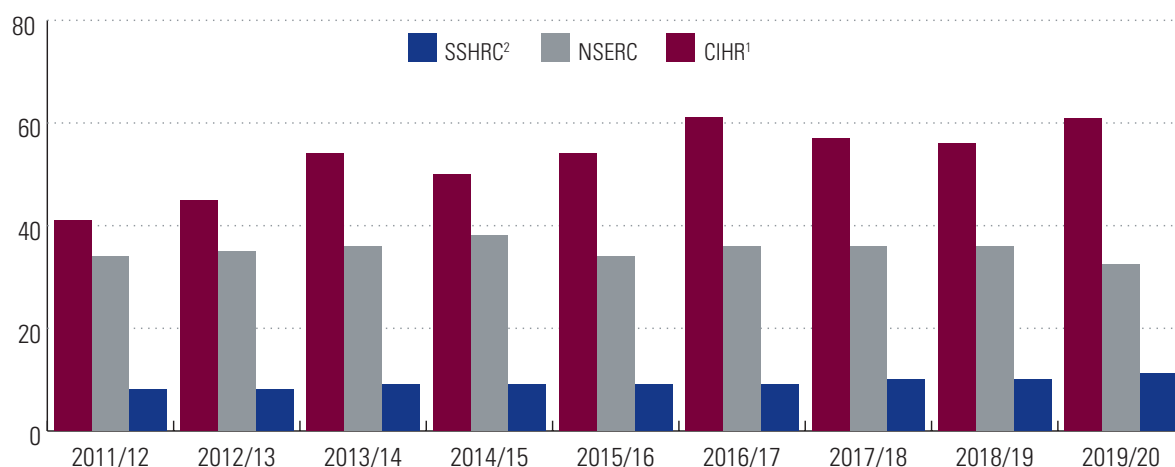
Tri-Agency Funding (\$), 2007-2008 vs 2019-2020 – \$ millions



McMaster researchers across all six faculties achieved great success in their ability to attract COVID-specific funding across the sectors, including investments from donors, industry, agencies, and organizations. At the time of publication, over \$35 million was invested in over 140 research projects, including:

- \$4 million - Public Health Agency of Canada COVID-19 Immunity Task Force (1 project)
- \$2.7 million - Province of Ontario COVID-19 Rapid Research Fund (7 projects)
- \$1.8 million - CIHR Canadian 2019 Novel Coronavirus (COVID-19) Rapid Research Funding Opportunity (2 projects)
- \$20.2 million - CIHR COVID-19 May 2020 Rapid Research Funding Opportunity (18 projects)
- \$549 thousand - CIHR COVID-19 in Mental Health and Substance Use Knowledge Synthesis and Operating Grants (5 projects)
- \$696 thousand - NSERC Alliance COVID-19 grants (14 projects)
- \$1.5 million - MITACS Accelerate grants (22 projects)
- \$388 thousand - Juravinski Foundation (3 projects)
- \$500 thousand - W. Garfield Weston Foundation Weston Family Microbiome Initiative (2 projects)
- \$425 thousand - Thistledown Foundation Fast Grants program (2 projects)
- \$198 thousand - Hoffmann-La Roche Canada COVID-19 Innovation Challenge (2 projects)
- \$2.9 million - McMaster COVID-19 Research Fund (36 projects)

Tri-Agency Funding (\$), 2011-2012 to 2019-2020 – \$ millions



Tri-Agency Funding (\$)³

	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019	2019-2020
CIHR¹	40,615,338	44,755,061	53,705,150	50,228,864	53,698,255	61,227,947	56,652,845	55,501,016	60,849,949
NSERC	34,482,686	34,986,248	35,555,120	38,444,093	34,160,786	36,129,199	35,858,817	35,952,905	32,560,718
SSHRC²	7,675,563	8,030,162	8,899,474	9,200,804	8,585,180	9,308,485	9,930,424	10,402,070	11,265,256
Total	82,773,587	87,771,471	98,159,744	97,873,761	96,444,221	106,665,631	102,442,086	101,855,991	104,675,923

Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre) | Note 2: SSHRC includes Divinity College | Note 3: Data includes CRC and NCE | Source: Tri-Agency websites.

McMaster researchers from across all six faculties continue to attract significant investments from governments and private funders across the sectors.

- \$5.7 million for a CIHR Team Grant to establish a Pan-Canadian Sepsis Network (Sepsis Canada) to work with a diverse group of researchers, patients and family partners to understand the urgency of reducing the burden of sepsis.
- \$4.8 million from CIHR to establish the McMaster-based Feast Centre for Indigenous STBBI Research. The Feast Centre supports research that uses Indigenous knowledge to reduce sexually transmitted and blood-borne infections (STBBIs) in Indigenous communities; supports communities, investigators, and trainees through mentorship programs and other training opportunities; focuses on interventions; and uses the research results to shape health policy and programs.
- \$1.7 million from NSERC's Collaborative Research and Training Experience Program (CREATE) for a multi-university, multidisciplinary research program that will focus on developing smart technology to improve mobility in older adults in both community and healthcare-based settings. The team's research efforts will focus on three areas: low-power wearable and ambient sensing devices, algorithms and machine learning models for complex data, and prescriptive interventions to improve mobility.
- A combined investment of nearly \$2 million from industry partner L3 and NSERC for a project which will allow researchers to advance their work on airborne tracking and surveillance systems, with applications in safety and security, search and rescue, law enforcement, intelligent transportation, shipping and agriculture.
- \$1.1 million from the SSHRC Partnership Grants program for the Canadian Housing Evidence Collaborative, which aims to help Canada achieve housing solutions that meet the needs of a growing, urbanizing and aging population, maximize well-being, minimize environmental impact, accommodate diversity, strengthen public institutions, and facilitate stable and productive economies in a globalizing world context.
- \$2.7 million for 11 researchers in four Faculties from the Government of Canada's New Frontiers in Research Fund (NFRF) to support international, interdisciplinary, fast-breaking and high-risk research.
- \$4.2 million in additional funding from the Canada Foundation for Innovation's (CFI) Major Science Initiative (MSI) Fund, which ensures that Canada's large, complex

research facilities have the support they need to continue to operate at the cutting edge. The funding will support two institutes: the Canadian Centre for Electron Microscopy (CCEM), which houses some of the world's most advanced microscopy tools and capabilities, and the Canadian Research Data Centre Network (CRDCN) which allows researchers from across the country to advance their understanding of key research questions and inform critical areas of public policy.

- \$20.1 million over five years from Veterans Affairs Canada for the Chronic Pain Centre of Excellence for Canadian Veterans, with \$5 million per year thereafter. This new research centre will focus on research on chronic pain of veterans, setting standards of care and ensuring that information is shared across the country.

- \$6.8 million in ongoing funding from the Public Health Agency of Canada for the McMaster-hosted National Collaborating Centre for Methods and Tools (NCCMT). The NCCMT provides leadership and expertise in evidence-informed decision making to Canadian public health organizations. This extension to the NCCMT's funding allows the Centre to continue to develop resources to help organizations and professionals use innovative, high quality and up-to-date methods and tools to put what works in public health into practice and policy.

- \$1.5 million from the Weeneebayko Area Health Authority from funds received from Indigenous Services Canada under Jordan's Principle Program for the Indigenous Children Eye Exams (ICEE) project, which provides accessible vision care for Indigenous children living in northern Ontario.

- \$1.5 million from the Ontario Ministry of Education for province-wide implementation of the Offord Centre's Early Development Instrument tool which collects data from kindergarten classes to measure a child's ability to meet age-appropriate development expectations.

- \$1.4 million from the Department of National Defence through its Innovation for Defence Excellence and Security: Innovation Networks. This initiative will establish a micro-network on quantifying trust in autonomous medical advisory systems (AMAS). The research will provide enhanced AMAS to Canadian soldiers, astronauts and personnel who are stationed in remote or austere locations.

- \$12.4 million U.S. (approx \$16.4 M Cdn) from the Bill & Melinda Gates Foundation to identify and address ethical challenges, ethics-related risk, and policy gaps that have the potential to undermine the impact of potential life-saving technologies and interventions in global health and development research.

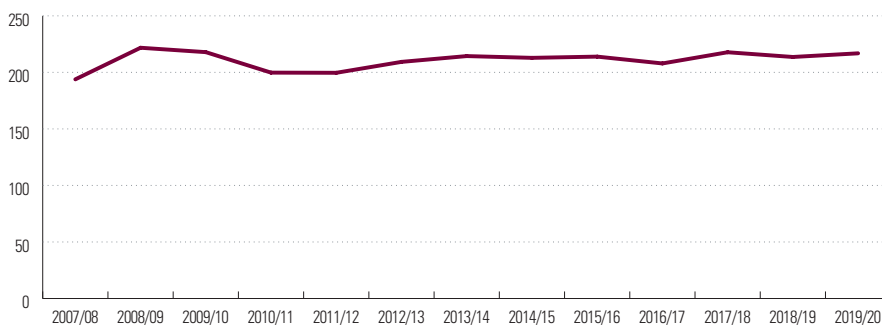
- Over \$2.1 million in funding for the McMaster 'Monitoring My Mobility' (MacM3) research platform. MacM3 brings together cross-disciplinary experts from the faculties of Business, Science, Engineering, Humanities and Health Science, alongside older adults and caregivers, to develop a mobility self-monitoring tool that will use leading-edge sensors and data analytics.

- One of only six 2020 Killam Research Fellowships awarded nationally by the Canada Council for the Arts which provide support to scholars of exceptional ability by granting them time to pursue research projects of broad significance and widespread interest.

- One of only four 2019 Synergy Awards for Innovation awarded nationally by NSERC to recognize outstanding natural sciences and engineering research and development collaborations between universities and Canadian industry.

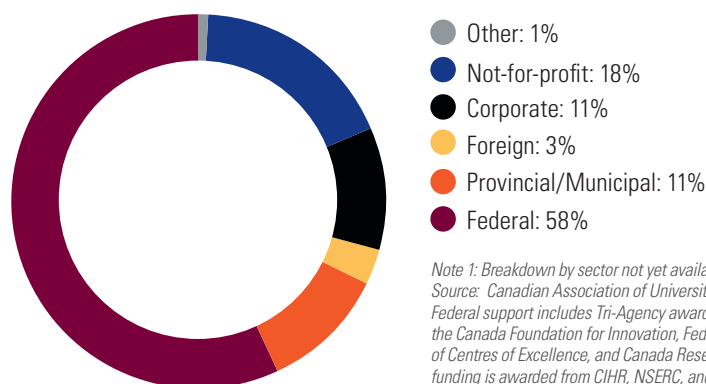
- For more information please visit: research.mcmaster.ca

McMaster Sponsored Research Income – \$ millions (Excluding Affiliated Hospitals), 2007-2008 to 2019-2020



Note 1: 2019-2020 estimate from McMaster University Financial Affairs.
Source: 2006/07 - 2018/19 Canadian Association of University Business Officers (CAUBO)

Sponsored Research Income – by Fund - 2018/19: Excluding Affiliated Hospitals (approximately \$214M)



Note 1: Breakdown by sector not yet available for 2019-2020.
Source: Canadian Association of University Business Officers (CAUBO)
Federal support includes Tri-Agency awards, as well as funding from the Canada 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 (Early Researcher Awards), ORF-RE (Ontario Research Fund - Research Excellence), ORF-RI (Ontario Research Fund - Research Infrastructure), etc.

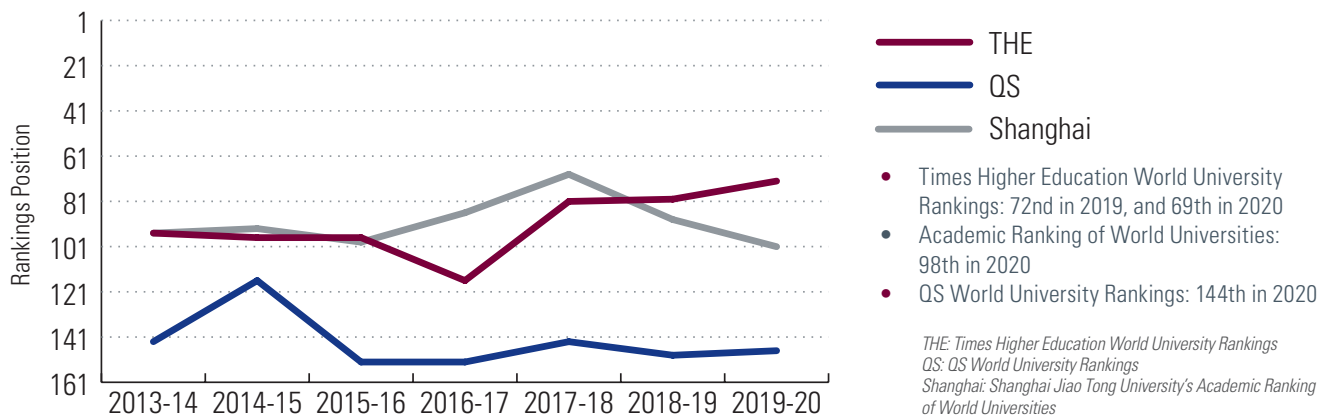
BRIGHTER
WORLD

McMaster
University

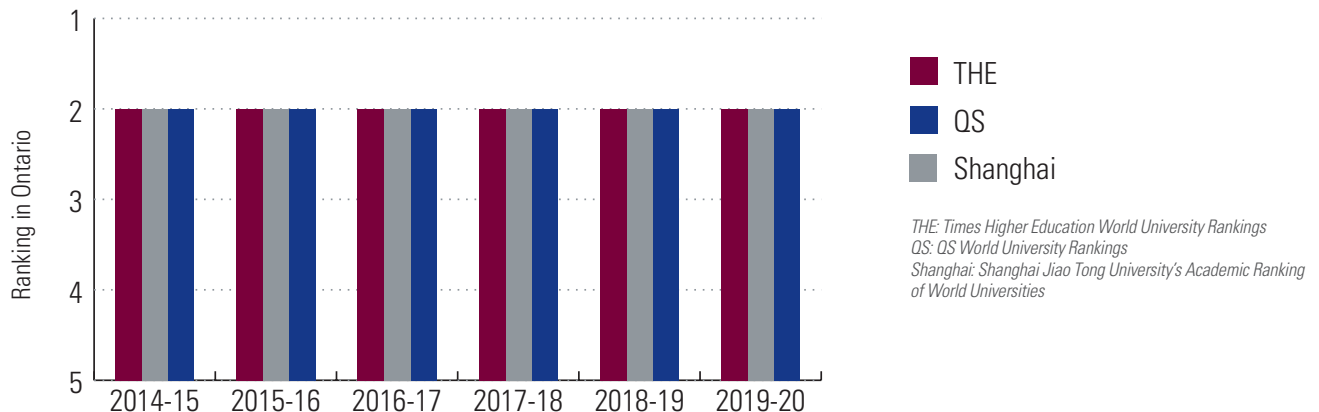
McMaster consistently
ranks second in Ontario
in the three major
rankings. (THE, QS,
Shanghai)

Rankings and Reputation

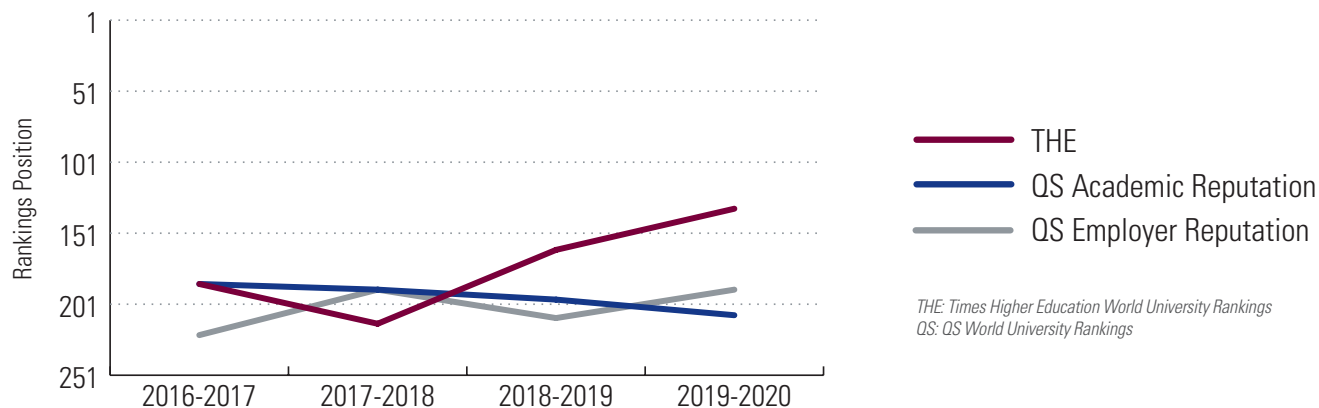
McMaster Rankings



McMaster Rankings in Ontario



McMaster Reputation Rankings



THE Impact Rankings

McMaster ranked 17th 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

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

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 11 – Sustainable Cities and Communities

McMaster is a historic campus located on 350 acres within the city of Hamilton in Ontario, Canada. The campus is part of a trail systems 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.

In the past year, close to 5 million people visited McMaster libraries in person and online.

Library

McMaster has four libraries on campus: Mills (Humanities and Social Sciences), Innis (Business), Thode (Science and Engineering), and the Health Sciences Library. The Library currently holds over 2.4 million titles in all formats and provides access to thousands of other resources. The 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. In 2019, the Library enhanced its offerings of streaming videos with new subscriptions to Kanopy and Psychotherapy.net, and greatly increased its collection of online primary sources by partnering with ProQuest to provide 50 databases in a wide range of social sciences and humanities disciplines. Newly purchased databases included the Church Missionary Society Archive, Confidential Print: Africa, JSTOR Sustainability, Global Health and Global Health Archive.

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

Collections as of April 30th	2015	2016	2017	2018	2019
Books, Other					
Titles (Paper)	1,255,490	1,274,265	1,282,221	1,276,908	1,275,182
Electronic books	596,621	595,779	611,882	621,966	671,548
Electronic audio, scores, video, etc.	12,691	14,182	19,631	20,806	27,076
Audio Materials	45,647	45,684	45,984	45,963	46,626
Film and Video	4,147	4,071	4,252	3,347	2,594
Cartographic Material	138,444	138,512	138,668	138,675	139,093
Printed Music Scores	31,221	31,468	31,639	31,415	31,537
Manuscripts & Archives (linear metre)	4,528	4,548	4,570	4,855	4,734
Serial Subscriptions					
Print/Microform Serials	1,188	1,596	1,596	1,456	1,205
Electronic Serials	93,604	96,558	88,664	96,512	113,187

- The William Ready Division of Archives and Research Collections is home to over 4,800 meters of archival collections, more than 100,000 books and journals – among them some 40,000 published before 1800 – medieval manuscripts and rare maps. Recent acquisitions include first archives from author Farzana Doctor, journalist Judith Robinson, drawings and artwork of renowned Canadian cartoonist, visual artist, and book designer Seth, as well as additions to the archives of author and storyteller, Stuart McLean, writers Susan Musgrave, Stephen Reid, and David Helwig, and more than 2,600 books published in the 16th-21st centuries.
- To better meet the needs of the University's distributed health care learners and teachers, the Health Sciences Library has been aggressively replacing print materials with online editions. More than 99% of health resource funding is now directed towards online books, journals, clinical tools and databases.
- Additionally, the Library joined HathiTrust, a partnership of more than 140 academic and research libraries. Membership in HathiTrust provides the McMaster community with full-text reading access to more than 1.8 million digitized books and journals, and a corpus of over 17 million volumes for searching, text mining, and other forms of analysis-based research. HathiTrust membership also extends the Library's support for digital preservation and providing scholarly content in accessible formats.

Information Resource Expenditure (\$) as of April 30th	2015	2016	2017	2018	2019
Books					
Print Monographs	658,126	775,084	359,461	616,917	780,952
Electronic Monographs	398,395	314,725	418,843	616,448	492,884
Total Expense	1,056,521	1,089,809	778,304	1,233,365	1,273,836
Serial Subscriptions					
Print Serials	651,583	619,998	586,354	526,452	357,120
Electronic Serials	7,770,640	8,727,984	9,489,110	9,239,074	9,648,280
Total Expense	8,422,223	9,347,982	10,075,464	9,765,526	10,005,400
Other					
Total Expense	937,747	1,114,042	1,480,444	1,743,011	1,917,796
Grand Expense	10,416,491	11,551,833	12,334,212	12,741,902	13,197,032

Summary of Library Personnel as of April 30th	2015	2016	2017	2018	2019
Professional					
Professional Staff	23	29	33	31	33
Other Professionals	27	23	26	27	26
Total	50	52	59	58	59
FTE					
Support Staff FTE	63	64	59	56	61
Casual Staff FTE	17	19	16	16	14
Total	80	83	75	72	75
Grand Total	130	135	134	130	134

Note 1: Does not include the Health Sciences Library (not available).

Note 2: The new Integrated Library System provides a more accurate count by item type.

Note 3: All staffing numbers are Full Time Equivalencies (FTE).

Source: CARL (Canadian Association of Research Libraries)

More than 10,000 students participated in a library instruction session; more than 21,000 research help questions were answered; more than 3.3 million articles were downloaded from the Library's electronic journal collection.



The Museum added 37 pieces of art to its permanent collection in 2019, consisting of 36 works on paper and 1 sculptures.

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); 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.*

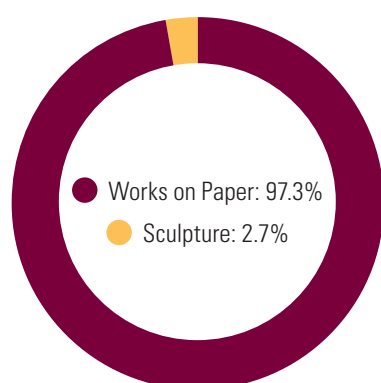
For more information on the Museum of Art, please visit: museum.mcmaster.ca/

- In 2019, the permanent collection held by the Museum of Art consisted of 6,390 works of art valued at over \$99 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 First Nations Art.

Social Media statistics for 2019 are as follows: 40,000 website views; EMuseum, 31,061 page views; Twitter Followers, 3,342; Facebook Fans, 2,535; Instagram Followers, 1930; Youtube Channel views, 63,284; and an active Geocache community.

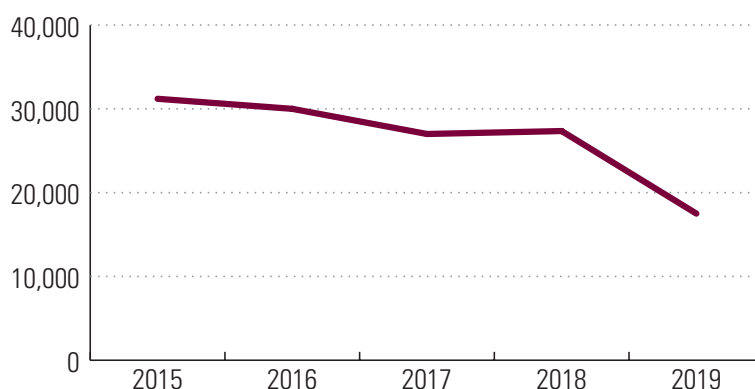
Permanent Collection Growth, 2015-2019	2015	2016	2017	2018	2019
New Acquisitions					
Paintings	5	7	8	15	0
Works on Paper	66	23	8	332	36
Sculpture	8	3	1	18	1
Coins					
Media	1	1			
Total New Acquisitions	80	34	17	365	37
Permanent Collection	5,937	5,971	5,988	6,353	6,390

New Acquisitions, 2019 (n=36)



Source: McMaster Museum of Art

Annual Attendance as of April 30th, 2015-2019



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.
Source: McMaster Museum of Art

Attendance as of April 30th	2015	2016	2017	2018	2019
Attendance	31,200	30,000	27,000	27,350	17,500

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.



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

Governance

Current President

- Dr. David Farrar, 8th President (2019 - 2020)

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

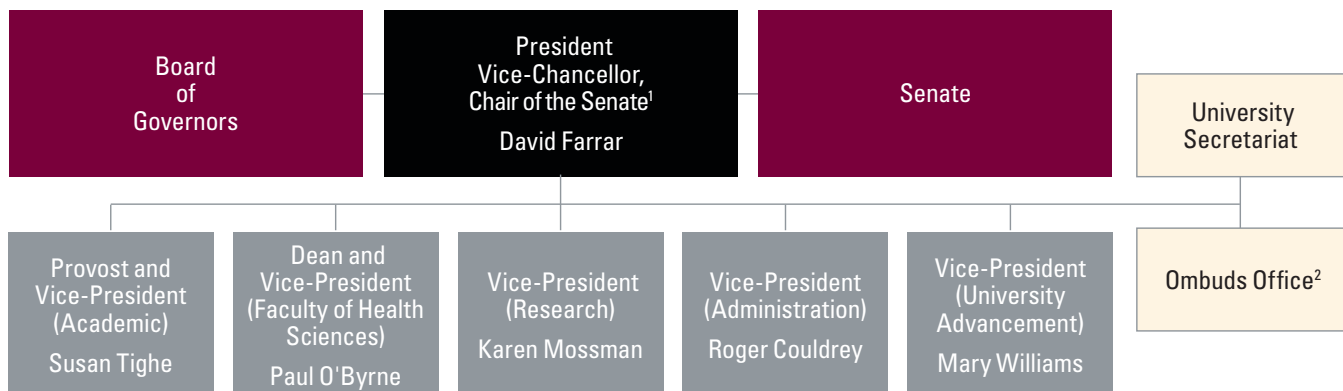
- Santee Smith, 19th chancellor (2019-2020)

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, 2020



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 was named one of Hamilton-Niagara's Top Employers for 2019.



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: www.workingatmcmaster.ca/

As of August 27, 2020, McMaster University had 11,862 employees (excluding McMaster University Faculty, Clinical Faculty and Senior Academic Librarians).

HAMILTON-NIAGARA'S TOP EMPLOYERS FOR 2018

- McMaster University was named one of Hamilton-Niagara's Top Employers for 2019. This was the fourth 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 August 27, 2020¹

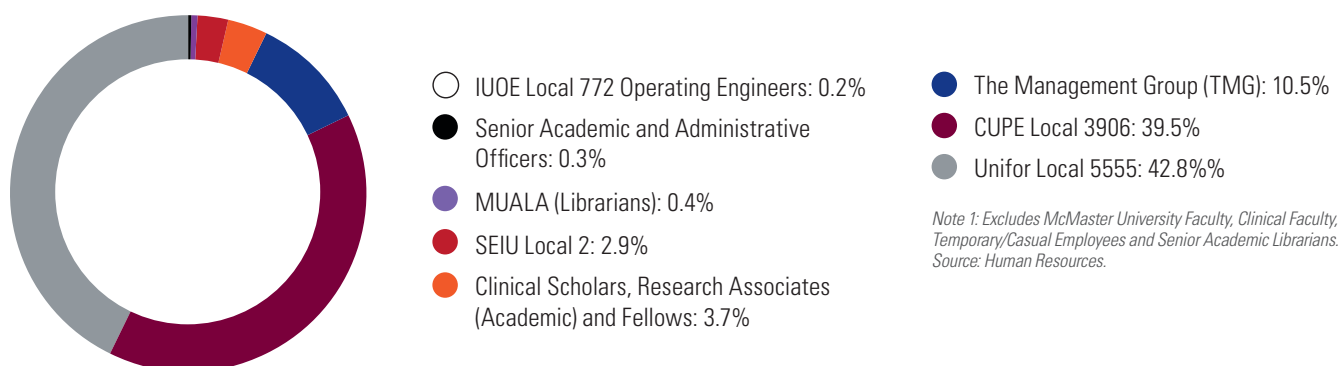
Employee Groups ²	Count
Unifor Local 5555:	2,711
Unit 1: Non-Academic Administrative, Professional and Technical	2,677
Unit 3: Parking & Transit	14
Unit 4: Special Constables	20
Unit 5: Operations & Maintenance and Casual Cleaners	302
CUPE Local 3906:	2,756
Unit 1: Teaching Assistants	2,228
Unit 2: Sessional Faculty and Sessional Music Faculty	331
Unit 3: Postdoctoral Fellows (Non-HSc)	197
IUOE Local 772:	11
Operating Engineers	11
SEIU Local 2:	207
Hospitality Services and PT Satellite	204
Machinists	3
MUALA (Librarians)	30
The Management Group (TMG)	740
Senior Academic and Administrative Officers	18
Senior Academic Officers	4
Senior Administrative Officers	14
Clinical Scholars, Research Associates (Academic) and Fellows	257
Temporary Staff	4,830
Total	11,862

Note 1: Excluding CUPE Local 3906 Unit 1: Teaching Assistants, which is as of April 18th, 2020.

Note 2: Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians.

Source: Human Resources.

Staff Count by Employee Classification, excluding Temporary, as of August 27, 2020



The average age of McMaster employees is 44.8 years. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

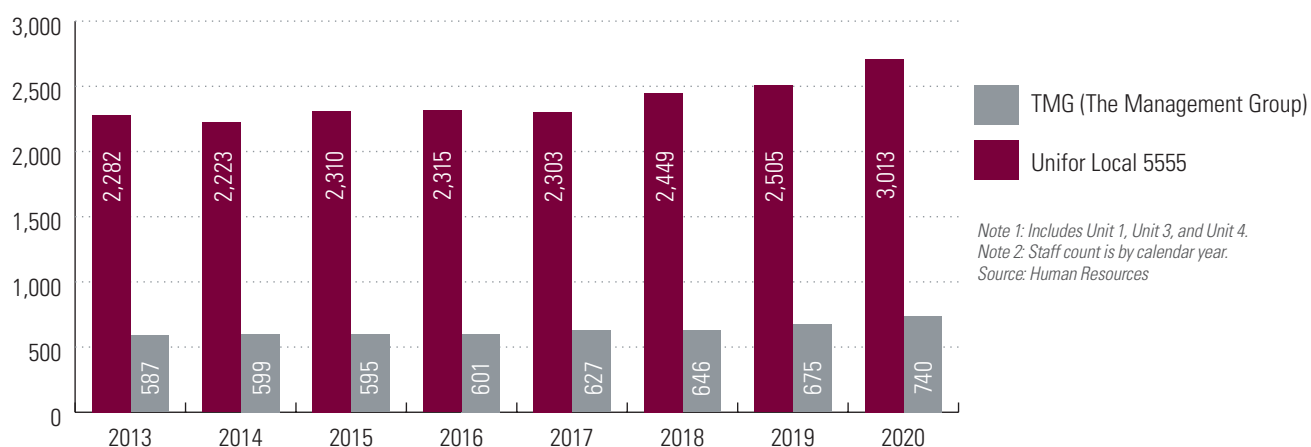
The average years of service of McMaster employees is 10.9. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

Employee Groups by Years of Service and Age, as of August 27, 2020

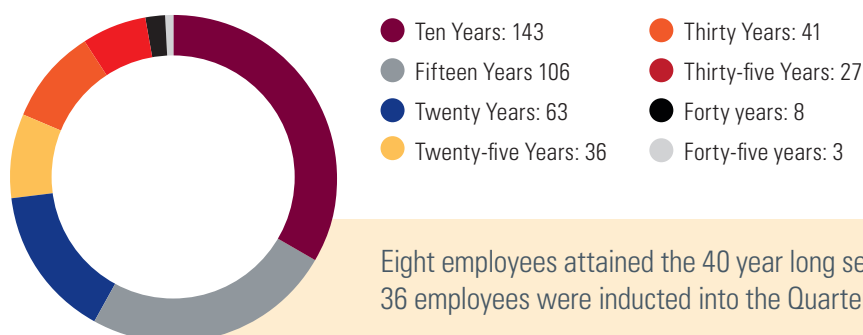
Employee Groups	Average Years of Service	Average Age
Unifor Local 5555:	10.8	43.7
Unit 1: Non-Academic Administrative, Professional and Technical	10.8	43.8
Unit 3: Parking & Transit	3.1	25.6
Unit 4: Security	4.2	37.5
Unit 5: Operations & Maintenance and Casual Cleaners	10.8	50.3
IUOE Local 772:	10.0	51.5
Operating Engineers	10.0	51.5
SEIU Local 2:	8.4	47.3
Hospitality Services and PT Satellite	8.5	46.2
Machinists	7.3	50.0
MUALA (Librarians)	11.2	42.5
The Management Group (TMG)	11.8	46.0
Senior Academic and Administrative Officers	14.8	53.6
Senior Academic Officers	14.5	59.8
Senior Administrative Officers	15.0	53.6
Total	10.9	44.9

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

Staffing Complement for Unifor¹ and TMG, July 2013-2020^{2,3}



Employees Attaining Long Service Milestones in 2020



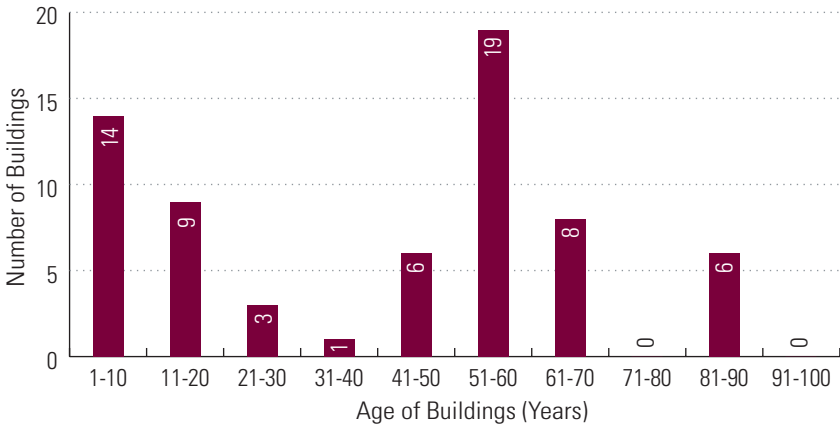


McMaster University has 12 on-campus residence buildings. A total of 3,780 bed spaces are available, with 3,658 spaces reserved for incoming first-year undergraduate students.

Campus Facilities

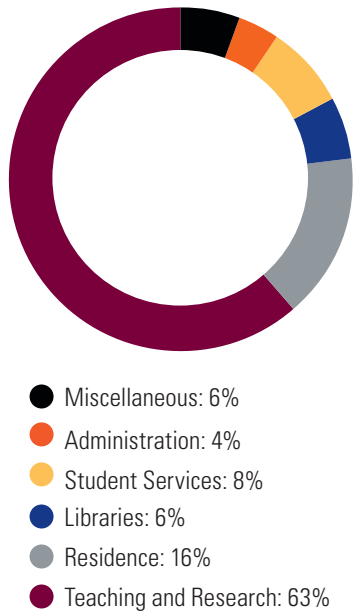
McMaster’s main campus is located near the west end of Lake Ontario and is within a short distance of Cootes Paradise, Bruce Trail, Niagara Escarpment, Waterfront Trail, Royal Botanical Gardens, and Hamilton Conservation Authority. McMaster’s campus encompasses an area that is 152.4 hectares. For more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

Number of Buildings by Age 2019/2020



Categories included in Teaching and Research: Classroom Facilities, Academic Departmental Offices & Related, Health Science Clinical Facilities, Central Services, 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 & Exhibition Facilities, Common Use & Student Activity, Other University Facilities.
 Source: Facilities 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 (63%).

McMaster University Significant Facilities

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year ³
Arthur N. Bourns Building	23,319	649	Classroom & Research	1968
A.B.B. North Tower Addition	5,469	127	Research	2019
Alumni House	487	46	Administration	1930
Alumni Memorial Hall	1,071	49	Hospitality	1949
Applied Dynamics Lab	1,773	75	Research	1967
Bates Residence	13,514	2,139	Residence	1971
Bertrand Russel Archives and Research Centre (88 Forsyth Avenue North)	462	33	Archives & Research	2018
Biology Greenhouse	702	34	Research	1967
Brandon Hall	9,206	607	Residence	1968
Campus Services Building	4,519	94	Administration	1968
Charles E. Burke Science Building	15,379	438	Classroom & Research	1953
Chester New Hall	6,913	298	Classroom	1964
Commons Building	4,659	149	Administration & Hospitality	1965
Communications Research Laboratory	2,480	131	Research	1983
David Braley Athletics Centre	12,918	204	Athletics	2007
David Braley Health Sciences Centre	14,197	549	Health Services	2015
DeGroote School of Business	6,855	358	Classroom	1990
Divinity College	3,002	122	Grad Studies	1959
E.T. Clarke Centre	4,618	99	Administration	1954
Edwards Hall	1,930	226	Residence	1929
Engineering Technology Building	12,280	323	Classroom & Research	2009
Gilmour Hall	7,467	297	Administration	1959
General Sciences Building	4,778	224	Classroom & Research	1962
H. G. Thode Library of Science & Engineering	7,752	97	Library	1976
Halton Family Health Centre - Burlington	791	57	Health Services	2014
Hamilton Hall	3,758	160	Classroom	1929
Health Sciences Centre ²	48,982	1,244	Health Services	1972
Hedden Hall	8,327	504	Residence	1989
Information Technology Building	10,311	288	Classroom & Research	1955
Institute for Applied Health Sciences ²	8,914	241	Classroom	2000
Ivor Wynne Centre	17,597	407	Athletics & Research	1964
John Hodgins Engineering Building	22,851	694	Classroom & Research	1958
Kenneth Taylor Hall	10,028	450	Classroom	1971
Les Prince Hall	8,239	634	Residence	2006
L.R. Wilson Hall	15,026	487	Classroom & Research	2016
Life Sciences Building	8,769	320	Classroom & Research	1970
M.G.D. Centre for Learning and Discovery	24,976	585	Classroom & Research	2004
Mary E. Keyes Residence	11,252	1,086	Residence	2002
Matthews Hall	4,867	310	Residence	1964
McKay Hall	6,003	328	Residence	1964
McMaster University Student Centre	12,388	364	Hospitality	2002
Mills Memorial Library	19,620	435	Art Gallery/Library	1950
MIP – Atrium Building ²	5,413	24	Laboratory & Conference	2009

McMaster University Facilities (continued)

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year ³
MIP – McMaster Automotive Resource Centre	5,143	99	Research	2013
Moulton Hall	4,807	261	Residence	1959
Nuclear Reactor	1,648	56	Research	1957
Nuclear Research Building	5,020	262	Research	1950
One James North - Downtown Hamilton ²	4,430	204	Classroom & Administration	2015
Peter George Centre for Living and Learning	25,734	1,141	Classroom & Administration	2019
Preliminary Laboratory (T13)	2,015	45	Classroom	1967
Psychology Building	8,098	392	Classroom & Research	1970
Refectory	1,516	92	Hospitality	1929
Ron Joyce Centre, Burlington	7,978	264	Grad Studies	2010
Ron Joyce Stadium	3,719	90	Athletics	2008
Scourge Building (TB26)	184	8	Administration	1989
Tandem Accelerator	2,827	96	Research	1966
Togo Salmon Hall	11,654	423	Classroom	1965
University Hall	3,669	187	Administration	1929
Wallingford Hall	1,835	177	Residence	1929
Whidden Hall	5,594	297	Residence	1959
Woodstock Hall	5,039	309	Residence	1968
Temporary Portables (T32)	500	14	Classroom	2013
Temporary Portables (McMaster's Children's Centre T33)	631	25	Daycare	2013
Temporary Portables (T34)	425	10	Classroom	2018

Note 1: NSM=Net Square Metres

Note 2: McMaster space in shared building.

Note 3: Year of construction or completion of major renovation of purchased or leased buildings.

Source: Space Database

The Peter George Centre for Living and Learning (PGCLL) has recently been constructed at the previous location of temporary buildings #T28, #T29, and #T18, and includes 335,000 gross square feet at an approximate cost of \$122 million CAD. This building offers space for classrooms, exam-writing, residence, administration, daycare, a wellness centre, hospitality, parking, and conferences.

- In March 2017 students voted in a referendum to have a significant expansion and improvement of campus activity and athletic recreation space, including adding nearly 100,000 square feet of fitness studios, study areas, multi-faith prayer space, and meeting facilities. The Student Activity and Fitness Expansion (SAFE) project calls for the expansion of the Pulse fitness area, providing all students with Pulse memberships, a small grocery store, and rooms for events and meetings. Construction has started in these expanded facilities, which will contribute to a revitalization of the north end of campus, which is also the site of the Peter George Living and Learning Centre. Completion is expected in 2021.
- In the summer of 2019, a 63,000 gross square foot North Tower addition was constructed at the Arthur Bourns Building, which simultaneously underwent major renovations including repair and retrofit of existing labs. The project cost \$78 million and also supports the campus electricity and heat cogeneration (COGEN) project, which enhances McMaster's ongoing energy conservation efforts. This project was partially funded through the federal government's Strategic Innovation Fund (SIF).
- The McMaster Manufacturing Research Institute (MMRI) is relocating from their existing space (12,000 square feet) at the John Hodgins Engineering Building (JHE) to a newly renovated space at MIP, as a component of the 15,000 square foot (gross) Advanced Manufacturing Consortium (AMC). This is a partnership between McMaster University, University of Waterloo and Western University, funded by these parties and the Provincial Government. The partnership is devoted to fostering and developing innovative processes in advanced manufacturing and new products for the market and for industry.
- The results of a survey of students and staff have highlighted the need for improvements to many classrooms on campus. Priority was given to the large lecture halls in Togo Salmon Hall (TSH-120 and TSH-B128). In the summer of 2019 these rooms underwent significant improvements. This included replacement and realignment of seats and finishes (flooring, wall paint, acoustic panels), A/V, and a HVAC upgrade. The intention was to create more attractive and highly functional learning space. Rooms in Chester New Hall are being renovated in the summer of 2020.

McMaster University has over 195,000 alumni around the world, as of May 2020.

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.os.mcmaster.ca/s/1439/start.aspx

Total Number of Alumni ¹ , as of May 15, 2020			
Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,311	1,586	1,791
Business	13,843	17,570	20,567
Continuing Education	5,213	5,699	6,917
Divinity	585	732	1,339
Engineering	16,912	21,082	22,585
Health Sciences	18,259	21,443	23,399
Humanities	16,053	20,753	29,048
Science	25,678	31,318	37,230
Social Sciences	28,800	36,318	49,885
Other ³	82	145	2,401
Total	126,736	156,646	205,810

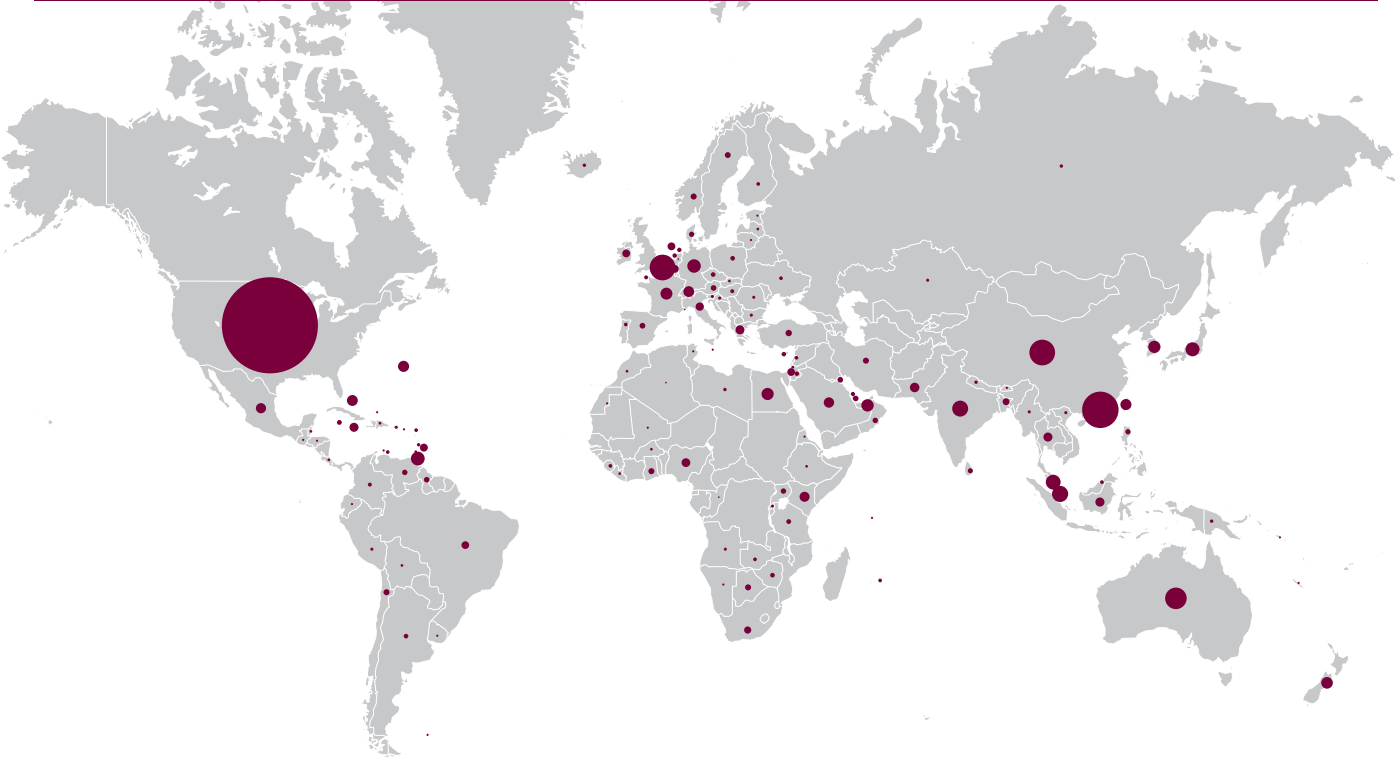
Note 1: Living Alumni includes lost and removed by request

Note 2: Active Alumni means known contact information.

Note 3: Faculty or program of graduation is unknown.

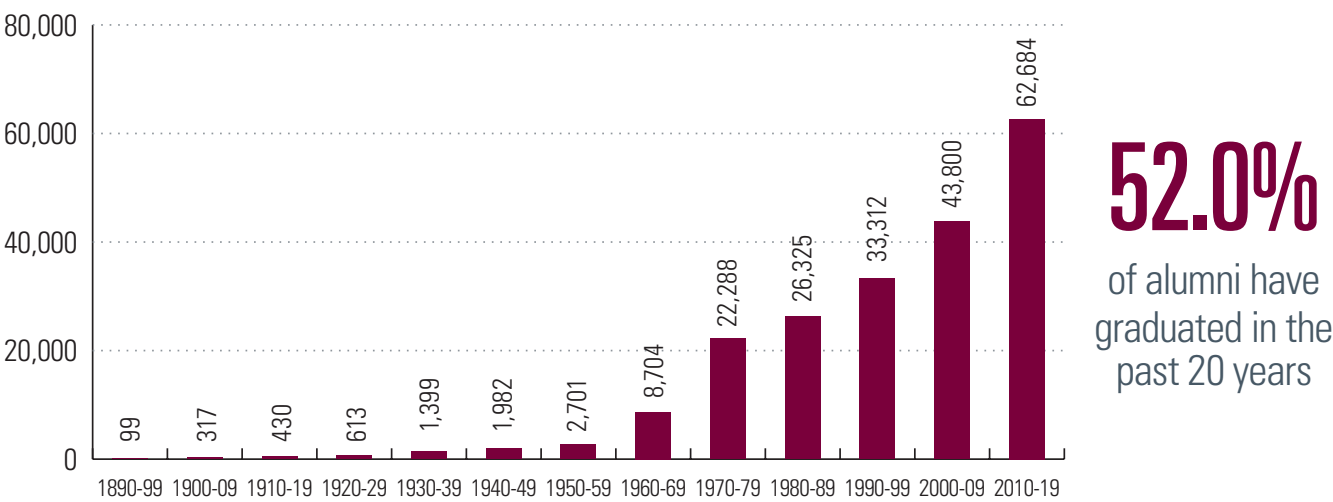
Source: University Advancement

Active International Alumni Residence by Country, as of May 15, 2020



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



Active International Alumni Residence by Country, as of May 15, 2020

Country	Alumni	Country	Alumni	Country	Alumni	Country	Alumni
Afghanistan	1	Taipei	1	Libya	5	Seychelles	1
Angola	6	The Netherlands	37	Lithuania	1	Sierra Leone	5
Antigua	5	Estonia	2	Macau	13	Singapore	165
Argentina	9	Ethiopia	3	Ivory Coast	1	Slovak Republic	3
Aruba	1	Falkland Islands	1	Malaysia	134	Slovenia	3
Australia	302	Finland	7	Malta	1	Solomon Islands	1
Austria	15	France	79	Mauritius	5	South Africa	24
Azerbaijan	1	Germany	112	Mexico	62	South Korea	103
Bahamas	63	Guam	1	Morocco	3	Spain	17
Bahrain	6	Ghana	16	Nepal	3	Sri Lanka	10
Bangladesh	23	Grand-Duche Du Luxembourg	9	Netherlands Antilles	5	St. Lucia	4
Barbados	32	Greece	46	New Zealand	81	Swaziland	1
Belgium	37	Grenada	1	Nigeria	44	Sweden	22
Belize	2	Guatemala	2	Northern Ireland	15	Switzerland	61
Bermuda	67	Guyana	14	Norway	19	Taipei	1
Bhutan	1	Holland	7	Oman	13	Taiwan	64
Bolivia	2	Honduras	1	Pakistan	57	Tanzania	11
Botswana	20	Hong Kong	832	Palestine	2	Thailand	47
Brazil	30	Hungary	7	Papua New Guinea	4	Trinidad & Tobago	100
Brunei	5	Iceland	4	People's Republic of China	550	Tunisia	1
Bulgaria	3	India	196	Peru	4	Turkey	25
Burkina Faso	2	Indonesia	40	Philippines	14	Turks and Caicos Islands	1
Burma	3	Iran	22	Poland	10	Uganda	14
Cayman Islands	14	Isle-Man	1	Portugal	5	Ukraine	5
Channel Islands	6	Israel	29	Puerto Rico	2	United Arab Emirates	115
Chile	18	Italy	39	Qatar	23	United Kingdom	19
Colombia	12	Jamaica	41	Republic of Croatia	4	United States of America	6,749
Costa Rica	3	Japan	120	Republic of Ireland	32	Uruguay	1
Cyprus	8	Jordan	9	Republic of Korea	8	Venezuela	12
Czech Republic	6	Kazakhstan	3	Romania	3	Vietnam	9
Denmark	14	Kenya	55	Russia	9	Wales	12
Dominican Republic	2	Kuwait	15	Rwanda	3	Western Sahara	1
Ecuador	1	Latvia	2	Saudi Arabia	87	Zambia	6
Egypt	91	Lebanon	6	Scotland	55	Zimbabwe	9
England	513	Liberia	2	Serbia/Montenegro	7	Total	11,733

Source: University Advancement

Notable Alumni

Nobel Laureate in Economic Sciences

Myron Scholes

Nobel Prize in Physics

Donna Strickland

Rhodes Scholars

Karen Bakker	John Baldwin
Ralph Bellamy	Sheiry Dhillon
Ralph Freeman	Dr. Maureen Hogan
Eric Hoskins	H. Allan Leal
Morden Long	Bert MacKinnon
James H. Taylor	George Rawlyk
Christopher Philip Rose	

Distinguished Alumni Award Recipients

Salehuddin Ahmed	Richard Bader
Brian Bloom	Leonard Blum
Harold Brathwaite	Martyn Burke
Jan Christilaw	Gordon Clark
Margaret Clark	Douglas Coleman
Patricia Demers	Russell Donnelly
Marianne Ferber	Jaffrey Firestone
Jack Gauldie	Norman Glendenning
William Grant	Martin Green
Anthony Griffiths	Calvin Harley
Marjorie Harris	John Hartman
Paul Hoffman	Eric Hoskins
Maysa Jalbout	Charles Johnston
Chil-Yong Kang	Murray Lang
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

Order of Canada

Lincoln Alexander	Andrew Bandrauk
L. Ross C. Barclay	Gregory Baum
Mohit Bhandari	Harry Black
Darleen Bogart	Roberta Bondar
Peter Calamai	Neena Chappel
Jan Christilaw	Deborah Cook
Gary Dault	Patricia Demers
Thomas Dignan	Alba DiCenso
Laura Dodson	Howard Engle
Arthur Fogel	R. Roy Forster
Jack Gauldie	Meric Gertler
Allan Gillmore	Frank Hawthorne
Clyde Hertzman	Eric Hoskins
Virendra Jha	Harold Johns
Kenneth Kernaghan	Bartha Knoppers
Roslyn Kunin	Mary Law
Eugene Levy	Kevin Lynch
Margaret Lyons	Harriet MacMillan
Patricia Mandy	Anne Martin-Matthews
John Mighton	Heather Munroe-Blum
Samantha Nutt	Jack Pelech
Michael Phillips	Dorothy Pringle
Ivan Reitman	Martin Short
Peter Smith	Richard Splane
Arthur Slutsky	Mary Anne White
Lynn Williams	Red Wilson

Source: University Advancement





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 \$55 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.os.mcmaster.ca/s/1439/start.aspx

Total Private Revenue, 2019

Goal: \$55 million

CURRENT GIFTS AND PLEDGES:

\$28,811,693

FUTURE GIFTS:

\$112,224,021

OTHER REVENUE:

\$4,075,050

PRIVATE RESEARCH GRANTS:

\$38,221,619

2019 Total:

\$183,332,383

RETURN ON INVESTMENT:

\$25.73 (\$8.62 in 2018)

(for every dollar spent on philanthropic activity, \$8.62 was returned to the University)

COST PER DOLLAR RAISED:

\$0.04 (\$0.12 in 2018)

(for every dollar related to philanthropic activity divided by total private revenue)

Other Private Revenue Metrics, 2019

TOTAL PRIVATE REVENUE RECEIPTED:

\$38,150,613

FUTURE GIFT VALUE (5-year average):

\$203,000

NUMBER OF DONORS:

7,613

% OF GIFT VALUE FROM **1%** OF DONORS:

95%

NEW CONFIRMED FUTURE GIFTS:

45

PRIVATE REVENUE **\$1M** OR GREATER:

7

Source: University Advancement



The University finished the 2019/20 year with a \$92.1 million surplus (2018/19 - \$157.0 million).

Finance

The University finished the 2019/20 year with a \$92.1 million surplus (2018/19 - \$157.0 million). The decrease in surplus over the prior year was driven by a -1.9% investment loss, lower ancillary sales due to COVID-19-related closures, and the 10% cut in domestic tuition rates mandated by the province. Some of this revenue decline was offset by increased international enrolment in both undergraduate and graduate programs.

Included within the consolidated results is an operating fund surplus of \$28.9 million (2018/19 - \$25.0 million). The surplus relates to growth in enrolment of international students, delayed spending on capital projects as a result of the pandemic, and reduced employee and supply costs resulting from closures.

For more information on finance, please visit: <https://financial-affairs.mcmaster.ca/>

- Growth from international enrolment and other sources is a key focus as a result of frozen grant funding and deflationary tuition frameworks. Reduced investment returns and increased market volatility due to COVID-19 remain a risk.
- Faculty and staff are key to achieving McMaster's mission and represent 63.3% of total expenditures. Pension and other non-pension costs continue to be significant financial risk and are subject to ongoing strategic planning. At April 30, 2020, the pension plan had a deficit of \$171.2 million and the non-pension post-retirement benefit plan had a deficit of \$277.2 million.
- 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.
- 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.
- McMaster is committed to early adoption of the recommendations of the Task Force on Climate-related Financial Disclosures across all invested portfolios totalling over \$1 billion in assets.
- Total assets grew by 1.4% largely due to capital asset additions such as the Peter George Centre for Living and Learning.
- Total liabilities increased by 4.5% primarily related to employee future benefit obligations, which increased due to a lower interest rate and return on asset expectations (due to COVID-19) used to measure the pension liability as at April 30, 2020.
- University demand remains high and growing in parallel with global rankings. Projects are underway to keep McMaster a technologically suitable and sustainable place to study, as well as global benchmarking to understand cost structures and identify further service opportunities.



Year ended April 30, 2020 with comparative figures for 2019* (\$ millions)			
Statement of Operations - Audited**	2020	2019	% change
Revenues	1,161.0	1,193.0	-2.7%
Expenses	1,068.9	1,036.0	3.2%
Excess of revenues over expenses	92.1	157.0	-41.3%
Statement of Financial Position - Audited**	2020	2019	% change
Assets	2,937.3	2,896.6	1.4%
Liabilities	1,751.9	1,675.7	4.5%
Net Assets	1,185.4	1,220.9	-2.9%
Operating Fund - Unaudited	2020	2019	% change
Sources of revenue	732.1	718.6	1.9%
Net expenditures and transfers	703.2	693.6	1.4%
Net surplus	28.9	25.0	15.9%
Reconciliation of Operating Fund Results to Audited Statement of Operations above*	2020	2019	% change
Operating Fund net surplus	28.9	25.0	15.9%
Accrual Adjustments:			
Capital expenditures net of amortization	30.3	91.3	-66.9%
Investment income (loss) on internal endowments	(9.1)	4.6	-296.0%
Pension and non-pension adjustments	30.6	26.1	17.1%
Other accounting adjustments	11.4	10.0	13.9%
Excess of revenues over expenses per audited financial statements	92.1	157.0	-41.4%

** 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.

* Certain comparative figures have been restated.

Audited Financial Statements are available at:
<https://financial-affairs.mcmaster.ca/app/uploads/2019/10/2019-20-Annual-Financial-Report.pdf>

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 Normal unit load for that specific academic year within a program. The Normal 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:

http://www.mcmaster.ca/policy/faculty/Appointments/Tenure_and_Promotion_January%202012.pdf



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