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McMaster University
Fact Book
2018 | 2019





FACT BOOK 2018-2019

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.*

ACKNOWLEDGEMENTS

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- Facility Services
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- Faculty of Science
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- 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, 2019

We are pleased to present to the University community the 2018-2019 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.

A number of significant events took place during the 2018-2019 academic year. McMaster placed second in the world in the new Times Higher Education Impact Ranking, which recognizes the impact universities are making in their own countries and on a global scale. Once again, McMaster was ranked among the Top 100 universities in the world by the Academic Ranking of World Universities. For the fourth year in a row, McMaster University was also named one of Hamilton-Niagara's Top Employers. In 2018, 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 and the School of Rehabilitation Science launched a new accelerated full-time option of the Master of Health Management program in 2018. The primarily online graduate degree advances the knowledge and skills needed to be a leader within the healthcare environment. In 2018, the Faculty of Engineering and DeGroote School of Business launched a new Minor in Innovation designed to give students the tools they need to succeed in the fast-paced, innovation-driven marketplace.

In 2018, McMaster continued to show its dedication to public service, with a focus on fostering ongoing collaboration between the University and community partners. In May of 2018, McMaster was inducted as a member of Universitas 21, a prestigious global network of 26 research-intensive universities from 17 countries focused on collaboration and global knowledge exchange. The strength of McMaster's research continued in 2018 with the University ranking first in the country for research intensity for the second consecutive year. 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 11 McMaster graduate students named recipients of prestigious scholarships and fellowship and 10 McMaster graduate students named Vanier scholars.

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 contents and usefulness of this publication irahelp@mcmaster.ca.

Sincerely,



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McMaster University

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Quick Facts Fall 2019

STUDENTS:

UNDERGRADUATE
ADMISSIONS FROM
ONTARIO HIGH SCHOOLS



Source: Student Record 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**

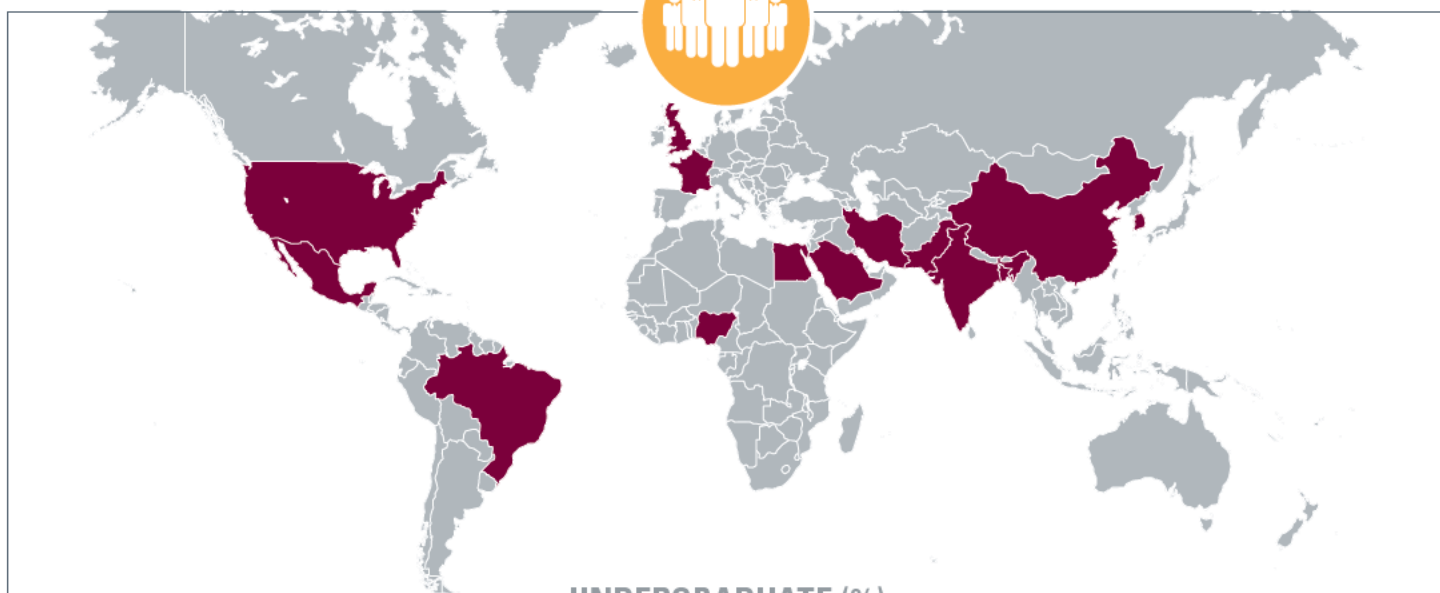
○ Full-Time: **85%** | **4,233**

○ 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	

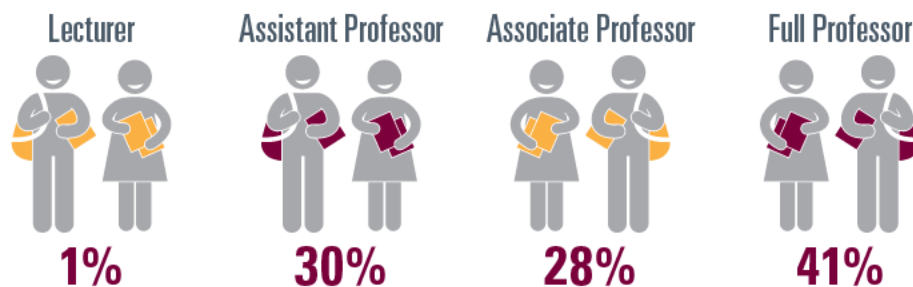
November 1, 2019 Student Headcount.

DEGREES AWARDED CY 2019

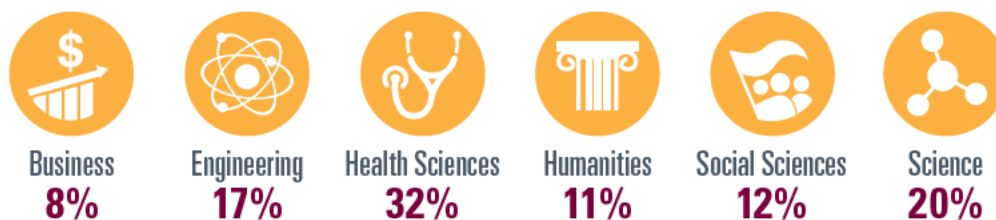
	MALE	FEMALE	OTHER		MALE	FEMALE	OTHER
Bachelor	2,203	2,974	55	Doctoral	134	102	0
First Professional	104	118	0	Graduate Cert/Dip	18	31	0
Masters	657	816	11	Total	3,116	4,041	66

FACULTY and STAFF:

TOTAL FULL-TIME FACULTY BY RANK



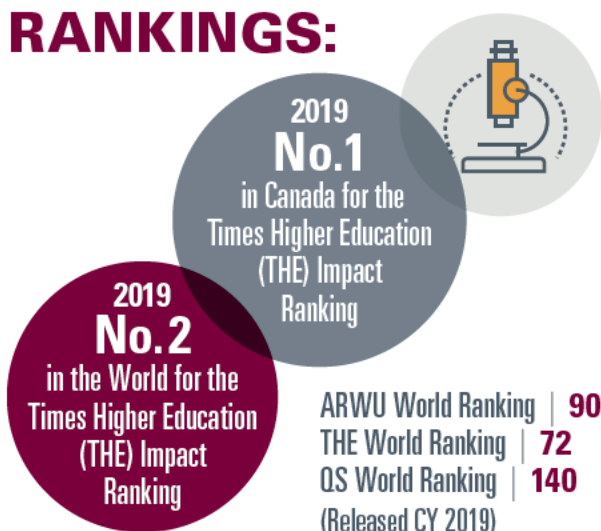
TOTAL FULL-TIME FACULTY BY FACULTY



Total Faculty: 1,568 | 60% Male 40% Female | Total Staff: 11,017 | 39% Male 59% Female 2% Other

October 1, 2019 Full-Time Faculty. July 11, 2019 Staff Headcount.

RANKINGS:



Faculty Research Intensity

No.1 in Canada

\$439,500 per Faculty member

Graduate Student Research Intensity

No.1 in Canada

\$84,000 per Grad student

Total Sponsored Research Income

\$392 Million

(Research Infosource 2019)

195,162

Alumni

10

Vanier Scholars

20

Total Vanier
since 2015

1

Banting Fellow

1

Nobel Prize Winner
(2018)

91%

of Undergraduates
continued to 2nd year

79%

of Undergraduates
graduated within
7 years (2010 cohort)

70

Canada Research
Chairs

15

3M National Teaching
Fellowship

114

Endowed Chairs

2

CIHR Chairs

1

Canada 150
Research Chair

6

NSERC Chairs

2

Ontario Research
Chairs

14

World's Most Highly
Cited Researchers
(Clarivate Analytics 2019)





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. *Research Infosource 2018* ranked McMaster as Canada's most research-intensive university for the second consecutive year, with a total research income of \$372M, averaging \$434,700 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.

STRATEGIC PRIORITIES

McMaster's vision, mission, and mandate statements provide the foundation for our strategic planning and President Patrick Deane's letter, *Forward with Integrity*, outlines our priorities. At McMaster, we foster the creative and intellectual potential of our students, while at the same time preparing our graduates to build successful careers. 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 are recognized and adopted worldwide. Our goal is to build on the success of our most creative and innovative programs to provide an enriching and transformative learning experience for all students, which includes opportunities for experiential, work-integrated, and self-directed learning, and allows for the consideration of multidisciplinary perspectives. Alongside this, McMaster integrates our world-class research enterprise into teaching and learning, and connects the learning experience to our local, national, and international communities.

KEY INITIATIVES

- The University continues to enhance the physical infrastructure of the campus to support a transformative student experience:
 - The multipurpose Peter George Centre for Living and Learning will open in Fall 2019 and will include a Student Wellness Centre, Student Residence and the McMaster Childcare Centre, as well as classrooms and study spaces.
 - The Student Activity and Fitness Expansion, approved through a referendum held by the McMaster Students Union, and expected to open in 2021, will double the size of McMaster's fitness centre, and include a new gym, as well as more studio, study, activity, event, lounge, and prayer spaces. This much needed expansion will enable us to better support existing and future students.
- Across the University, students continue to be offered experiential learning experiences and career readiness opportunities. Recent initiatives include:
 - The University Library's MakerSpace enables students from across campus to create, invent and learn about physical and digital fabrication. The interdisciplinary experiential learning facility is equipped with 3D printers, laser cutters, and other state-of-the-art technologies and machinery.
 - Through the McMaster Institute for Research on Aging, the University will offer a certificate of completion that promotes experiential learning in aging and work with older adults. The certificate is based on the McMaster Passport for Geriatric Education (MacPAGE) and will be expanded across all disciplines beginning in Fall 2019.
 - McMaster's Student Career Access Program has created new opportunities for students with disabilities to learn from and network with employers. In addition to a variety of targeted events intended to help them achieve their career goals, the Program also provides students with the opportunity to work with a Career Advisor to develop an individualized employment plan.
- To provide a transformative learning experience, and enable all members of McMaster's diverse student body to succeed, the University supports the following initiatives and projects:
 - The Campus Accessible Tech Space, recently opened within the University Library, supports students with disabilities in the use of technology. The new space includes a variety of cutting edge technologies, and is also outfitted with height adjustable tables, sound dampening couches, and designated areas for both collaborative and independent work.
- McMaster students are participating in the Student Navigator Project, a collaborative 3-year project involving the Bachelor of Health Sciences Program, the Arts and Science Program, the School of Interdisciplinary Science, and the Faculty of Social Sciences. Recent alumni assist students in navigating the challenges of the undergraduate experience, and assist in developing wellness and resilience programming, with the goal of reducing barriers for students seeking support or guidance.
- McMaster is one of only two Canadian universities to pilot the McCall MacBain Foundation International Fellowships. This generous award program enables students to experience a year of cultural immersion, including language study, volunteering, academic study, and paid employment.
- The Student Open Circles (SOC) program has grown by 20 per cent and has now trained 300 student volunteers. This year, SOC student volunteers have contributed over 10,000 hours to supporting child and youth afterschool and nutritional programs, shelters, and services for adults with disabilities.



McMaster Global Health provides higher education with cross-cultural learning opportunities... lectures are delivered to students in the classroom at McMaster while broadcasting to students in the Netherlands, Norway, India, Thailand, Colombia, and Sudan.

- To meet societal and labour market needs and student demand, McMaster continues to develop innovative inter-disciplinary and multi-disciplinary programs. Recent initiatives include:
 - Based on a unique partnership model between the DeGroote School of Business and the School of Rehabilitation Science, the Master of Health Management Program is a primarily online graduate degree that advances the knowledge and skills needed to be a leader within the healthcare environment. Already attracting a diverse range of health professionals for part-time study, a new accelerated full-time option has been added.
 - 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, the Minor is open to all McMaster students.
 - The School of Rehabilitation Science (SRS) at McMaster, the Northern Ontario School of Medicine, and Anishnawbe Mushk ki (an Aboriginal Health Access Centre in Thunder Bay, Ontario), have forged a partnership in which students from the Occupational Therapy, Speech Language Pathology, and Physiotherapy Programs in SRS explore and develop rehabilitation service opportunities for Indigenous residents in Northern Ontario. The goal is to promote the development of innovative and culturally-sensitive approaches to service delivery.
- McMaster supports a variety of initiatives intended to equip our students 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:
 - The Digital Leadership Summit held by McMaster's DeGroote School of Business considered the impact of digital innovation on business, with a focus on healthcare, finance and entertainment. The Summit featured discussions with some of the School's top experts, along with thought leaders from industry and academia.
 - McMaster Global Health provides a model of transdisciplinary higher education with cross-cultural learning opportunities. The program combines face-to-face classroom experiences with online collaboration in virtual teams; lectures are delivered to students in the classroom at McMaster while broadcasting to students in the Netherlands, Norway, India, Thailand, Colombia, and Sudan.
 - Opened in January 2019, a new course called the Clinic connects MBA students from the DeGroote School of Business with McMaster inventors. The Clinic helps inventors mobilize resources and determine the appropriate direction for their commercial venture. Clinic locations are also being established at the McMaster University Medical Centre and St. Joseph's Healthcare Hamilton.
 - The Wilson Leadership Scholar Award, hosted by McMaster University, supports the development of students who demonstrate exceptional leadership potential. This high-value award program is expanding to include graduate students: the first graduate Wilson Leaders will join their undergraduate peers in September 2019 for a year of mentorship, professional development, and community engagement opportunities.

KEY OUTCOMES

- Several recent initiatives in health and wellbeing highlight McMaster's leadership in developing a distinctive, personalized and sustainable student experience, including:
 - McMaster is globally recognized for its commitment to innovation and advancing societal health and well-being. As part of the University's work to integrate the commitments of the Okanagan Charter, which McMaster adopted in 2017, and create an environment that promotes

health and wellness for students, faculty, staff, and visitors, the McMaster Okanagan Committee is creating a searchable inventory of all health and wellness activities available on campus. This will be translated into an interactive website to be launched later in 2019.

- McMaster joined the international Age-Friendly University Global Network in 2017 and has been engaged in activities intended to support a physical and social space where people of all ages and abilities feel welcomed and empowered.
- In 2017, as a result of generous donations to the University, Student Mental Health Services were able to offer several new mental health resources including a safeTALK program trainer, 187 trained student suicide-alert helpers, and a specialized caregiver for suicide intervention.
- 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. Over 450 students received training during 2017-18.
- In recognition of McMaster's institution-wide commitment to promoting and supporting teaching excellence and pedagogical innovation, the University was awarded the 2018 Global Teaching Excellence Award by the Higher Education Academy in partnership with Times Higher Education. McMaster was selected for the award from an international short-list of finalists based on the range of experiential learning opportunities available, our commitment to global engagement, and the work of the MacPherson Institute.
- McMaster has continued to make innovations in online and blended learning:
 - 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.
 - The Blended Learning Part-Time MBA welcomed an inaugural cohort of 50 students in September 2018. The program

is taught online and in person during weekend residencies at McMaster's Ron Joyce Centre in Burlington.

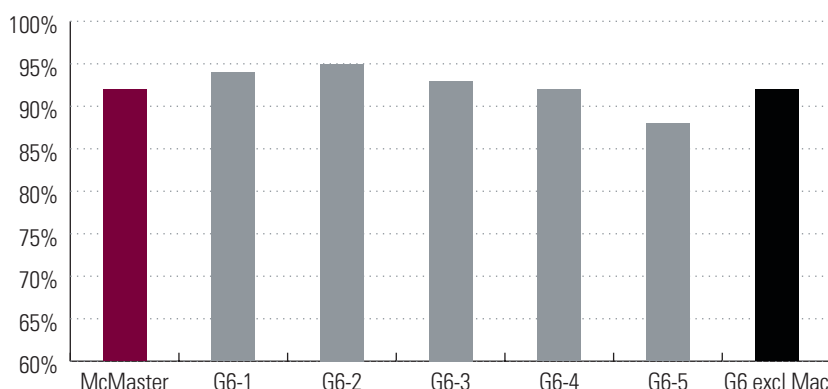
- McMaster's Faculty of Social Sciences collaborated with the Centre for Continuing Education to design a joint

on-line degree program in Sociology. The program, which launched in Fall 2018, enables students who initially took courses through CCE to enrol and complete an online Bachelor of Arts in Sociology.

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

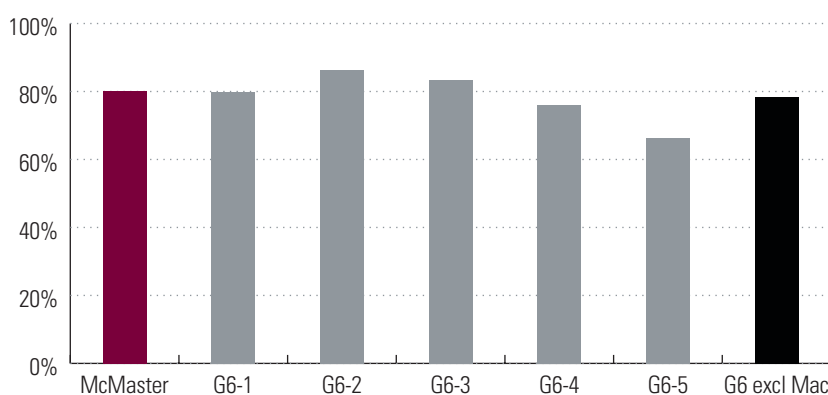


Note 1: Retention rates are based on first-time, full-time undergraduate students who commenced their studies in the previous year and have continued to study at the same institution in the reporting year.

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) 2018.

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.

- The Office of Community Engagement and the MacPherson Institute collaborated on a grant program to increase the experiential learning opportunities in pre-existing courses. A total of 35 faculty received grants for 55 different courses and created new experiential learning opportunities for 1,903 undergraduate and 142 graduate students.
- The MacChangers program, led by the Faculty of Engineering and the MacPherson Institute, requires interdisciplinary teams of McMaster students to commit eight months to developing innovative solutions to local and global societal issues. Enrolment in the

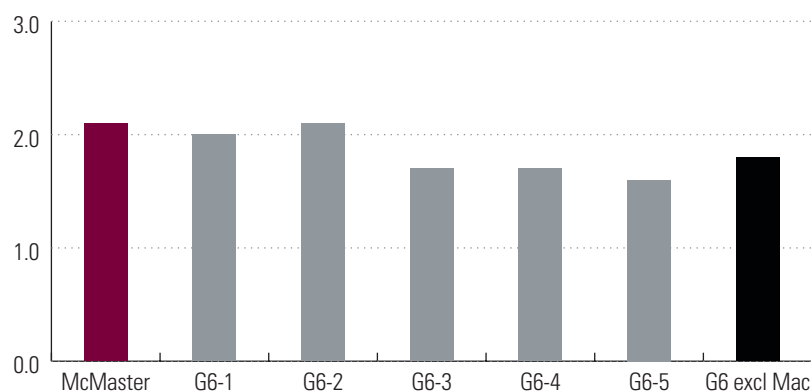
program has grown by more than 50 per cent in the past year.

- In 2018-19, McMaster enrolled 2,140 credit transfer students (an increase of nine per cent compared to 2017-18) from Ontario universities and colleges.
- 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

110 companies that have gone on to raise more than \$21M in funding, created more than 300 jobs, and reached 30 countries. The Forge currently works with 35 start-up clients including McMaster students, alumni, and community members, and engages more than 3,200 students each year in its programming.

- The Michael G. DeGroote Initiative for Innovation in Healthcare aims to stimulate entrepreneurship and develop opportunities to advance education, research and commercialization through novel programming, and create capacity for the development of socially and economically impactful health innovations.

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



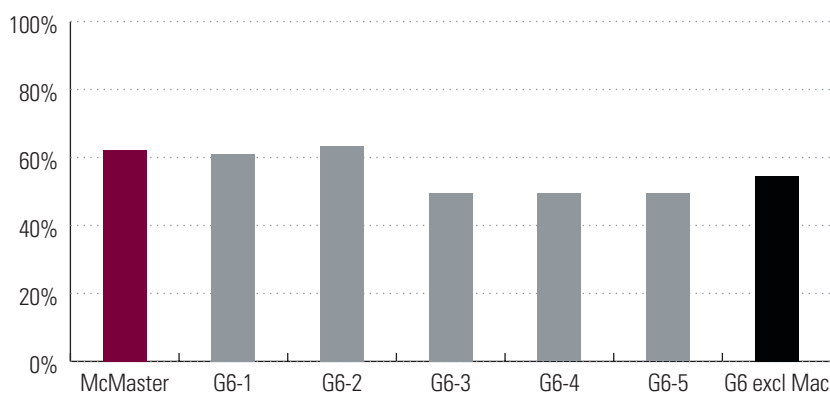
Note 1: Ontario universities administer the NSSE survey every 3 years and 2017 is the last available data.

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.

- McMaster programs provide high-quality preparation for future careers. In the 2017 Ontario University Graduate Survey of McMaster's 2015 graduates, 91.3 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 89 per cent.
- To support students in finding jobs and connecting them with local employers, the University also presents Connect to Careers, Hamilton's largest job fair, in partnership with Mohawk College, Redeemer University College, and the City of Hamilton. In total, over 1,200 job seekers attended the 2018 event.

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.

- 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 2018.
- 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.

2

McMaster remains committed to public service, with a focus on 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, and to integrate them 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.

KEY INITIATIVES

- McMaster continues to build on its connections to the Indigenous community and to develop responses to the Truth and Reconciliation Commission's report:
 - An Indigenous Health Initiative is being developed by the Faculty of Health Sciences in collaboration with Indigenous partners. A steering committee has identified six key priority areas including addressing systemic barriers for Indigenous learners, enhancing the learning environment, educating non-Indigenous faculty, identifying collaborative research opportunities and integrating Indigenous knowledge into Faculty programming. The implementation phase is expected to begin in the Fall of 2019.
 - The Faculty of Social Sciences is collaborating with Mohawk College, Lambton College of Applied Arts and Technology, and Wilfrid Laurier University to launch a 2+2 Indigenous Pathways Transfer Program that enables students who complete Indigenous-focused courses as part of their College diploma to enter McMaster's Indigenous Studies Program as level-3 students. This ONCAT-funded program is designed to reduce barriers, facilitate the transition from college to university, and enhance access to university for Indigenous students.
- The Faculty of Health Sciences has launched a Graduate Scholarship for Indigenous Scholars. This award, valued at \$5,000 per year for two years, is intended to provide additional financial support for Indigenous learners. The goal is to award ten scholarships each year, with the majority being new to McMaster.
- McMaster has been focused for some time on the development of initiatives intended to advance equity, diversity and inclusion on our campus. This year saw the launch of the University's first EDI Strategy and Action Plan, as well as a range of initiatives intended to support and promote Employment Equity, and better welcome and support all members of the McMaster community.
- McMaster engages in a range of initiatives to build connections with the local community and provide pathways and support to students who may not otherwise have the opportunity to attend university:
 - Launched in 2018, the Socrates Project is an initiative intended to stimulate and foster critical discussion across all disciplines, promote dialogue, and deepen the connection between the University and the broader community. The Project encompasses a broad range of events and activities – from performances to lectures, international conferences, art installations and community town halls – which are open to the public and enable artists, scholars, and community members to engage in crucial conversations around the most pressing issues of our time.
- The MAC H²OPE Clinic is a joint community engagement initiative between the School of Rehabilitation Sciences, the YMCA of Hamilton/ Burlington/ Brantford, and Hamilton Health Sciences through the LiveWell initiative. The clinic provides free occupational therapy and physiotherapy services to eligible adults in downtown Hamilton and merges student learning, rehabilitation service delivery and research to improve the health of Hamiltonians.
- The McMaster Discovery Program (MDP), a free, university-level, non-credit course offered to adults living in Hamilton who experience barriers to accessing higher learning opportunities, welcomed its eighth cohort in Fall 2018. The Program has now graduated approximately 180 students.
- In April 2019, McMaster hosted the FIRST Robotics District Competition for the second consecutive year, which attracted hundreds of high school students from across Ontario. The three-day annual event is an intensive technological challenge that promotes STEM education and the value of teamwork.



In recognition of McMaster's work and focus on employment equity, the University was named one of Canada's Best Diversity Employers in 2018.

- Two teams of campus and community partners were the inaugural recipients of the President's Award for Community Engaged Scholarship. The teams were honoured for their community-based research initiatives: the Grand River Mohawk at McMaster project, aimed at preserving a unique dialect of the Mohawk language; and We are Not the Others, focused on giving voice to the challenges faced by immigrant women in Hamilton.
- McMaster seeks to build a strong network of international partnerships, including research collaborations, internships, and exchanges with institutions around the globe, and to support our students and faculty in developing such connections:
 - In May 2018, McMaster University was inducted 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 has also strengthened its role and participation in the International Association of Universities (IAU), the Association of Commonwealth Universities (ACU), and the Asia Pacific Association for International Education (APAIE).
 - McMaster has a strong record of partnerships in the developing world, including the ongoing engagement of its faculty and staff in Academics without Borders (AWB), a virtual, volunteer-driven NGO that connects academics in the developed world with colleagues and universities in developing countries. This year McMaster became the host institution for AWB and, working closely with AWB, seeks to support capacity-building in higher education as a means to foster greater prosperity, equity and well-being for all.
- In 2018, McMaster participated in the World's Challenge Challenge, a global competition bringing together teams of students to present innovative solutions that address global issues identified in the United Nations' Sustainable Development Goals.
- McMaster is in phase two of developing a formal partnership with the Centre National de la Recherche Scientifique (CNRS). The first phase funded micro-projects in the fields of materials science, chemistry and applied mathematics. The second phase will involve a workshop highlighting existing and emerging research collaborations between CNRS and McMaster, with the goal being the development of a CNRS collaborative centre at McMaster.
- McMaster continues to lead and actively engage in a range of initiatives within the City of Hamilton, including:
 - The Department of Psychiatry and Behavioural Neurosciences is partnering with the City of Hamilton on an Early Years Strategy, which draws on the Department's research findings regarding the factors that can affect the well-being of children in the first six years of life. The goal is to ensure that no child in Hamilton gets left behind.
 - In July 2018 McMaster was one of several community partners supporting the launch of the 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.
 - In collaboration with local Chartered Professional Accountants, McMaster students led 33 free tax return clinics in priority neighbourhoods, with an emphasis on identifying frequently unclaimed benefits. Volunteers spent more than 500 clinic hours helping Greater Hamilton Area residents file for relevant benefits.
 - The Office of Community Engagement Research Shop contributed nearly 5,000 student volunteer hours to address community partners' questions on 18 projects. These ranged from identifying best practices for a wildlife corridor across Highway 6, to surveying food bank users to assess the viability of offering low-cost fresh food items.

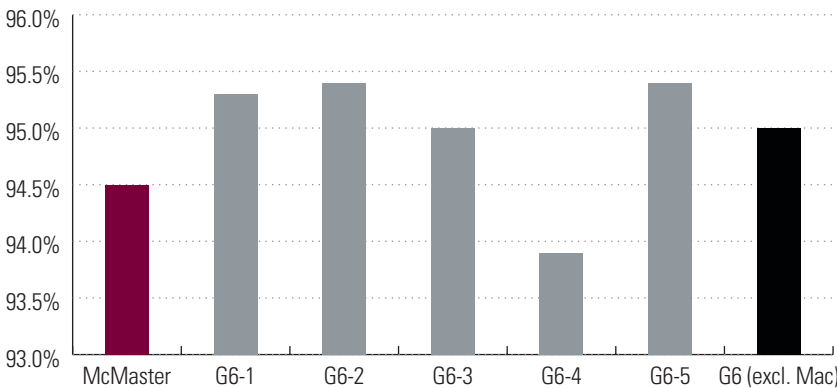
KEY OUTCOMES

- McMaster placed second in the world in the new Times Higher Education (THE) Impact Ranking for 2019. This new 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 second overall, McMaster received individual rankings in several of the development goals:
 - McMaster placed 1st overall in the Decent Work and Economic Growth SDG. This development goal focuses on employment practices.
 - McMaster placed 2nd overall in the Good Health and Well-being SDG. This goal assesses health impacts of services, research, projects and collaborations undertaken by the university locally and globally.
 - McMaster placed 14th overall in the Sustainable Cities and Communities SDG. This goal measures the university's role as a custodian of art and heritage, and its internal approaches to sustainability.
- In recognition of McMaster's work and focus on employment equity, the University was named one of Canada's Best Diversity Employers in 2018. For the fourth 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 2018-19, McMaster welcomed 6,812 full-time first-generation students (representing about 21.2 per cent of McMaster's Fall full-time student enrolment), 528 (1.6 per cent) Indigenous learners (First Nations, Métis, and Inuit), and 2,409 (7.5 per cent) students with disabilities. McMaster continually strives to improve access to underrepresented groups through pathway programs and initiatives.

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, 2017



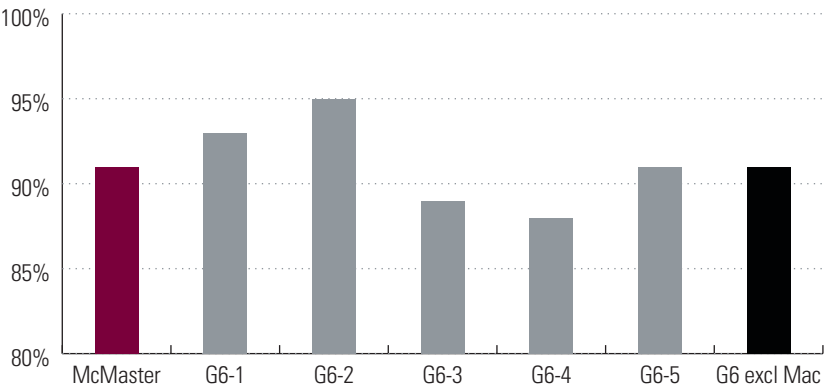
Note 1: Graduate Employment Rate is the number of graduates of bachelors or first professional degree programs expressed as a percentage of the labour force after graduation.

Note 2: The table above displays the results of the Ministry of Training, 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) 2017.

Proportion of Graduates Employed Full Time in a Related Job (2 Yrs post graduation) 2017



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 Training, 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) 2017.

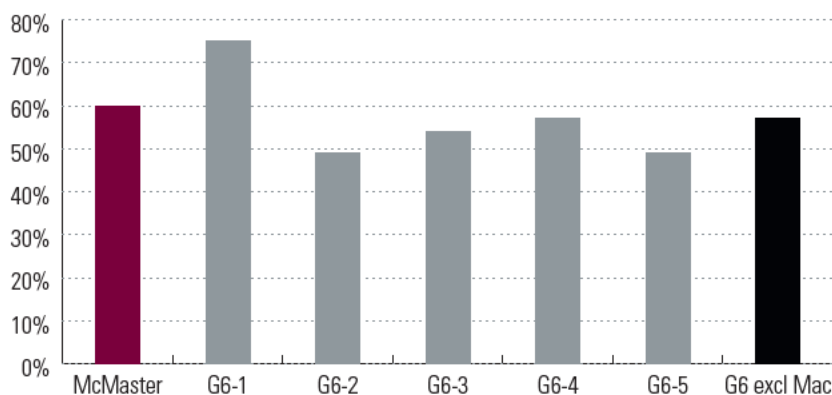
- The Division of eLearning and the Department of Psychiatry and Behavioural Neurosciences has developed iGeriCare, as part of a national dementia strategy. The iGeriCare.ca website provides dementia education for caregivers including free access to high quality multimedia lessons and expert-curated resources. Featured on CBC's The National and in other media, more than 50,000 caregivers accessed the website in its first few months and it has already received two Gold Omni Awards.
- The McMaster Children and Youth University (MCYU) now engages well over 100 students per year in its experiential program, and offers 200 community events in collaboration with 25 community partners.
- Throughout the 2018-19 year, the Socrates Project held a series of capacity events, including discussions on climate change, democracy and free speech, musical and artistic performances, and film screenings, and is meeting its goal of engaging the local and campus communities in thoughtful and informed discussion and debate of critically important issues.
- In addition to the University's contributions to the physical and social well-being of our community, McMaster also has a positive economic impact on our City. A recent KPMG report demonstrated an annual local impact of \$3.87B on Hamilton's GDP.
- The McMaster World Congress celebrated its 40th anniversary in 2019. Students from the DeGroote School of Business co-ordinate this annual conference, which brings together students and industry professionals from around the world to explore pressing issues and trends.
- McMaster's Faculty of Engineering supports two key youth program initiatives: Venture and L.E.A.P., which work to engage students from Kindergarten to Grade 12 in engineering and science. Combined, these programs reached more than 19,800 students in Summer 2018, through camps run on campus and travelling workshops throughout Ontario.

These programs seek to provide educational opportunities to underrepresented youth and those who may not otherwise consider a university education.

- Last year, 27 students spent a full semester at CityLAB Semester in Residence, working with City of Hamilton staff to put their skills to the test on real-world challenges and opportunities facing the City.
- McMaster's students have been successful in finding employment: of those students graduating with a bachelor or first professional degree in 2015, 89 per cent had found employment within 6 months and 95 per cent within 2 years (source: Ministry of Training, Colleges and Universities' 2017 Ontario University Graduate Survey).

McMaster hosted the FIRST Robotics District Competition for the second consecutive year, which attracted hundreds of high school students from across Ontario.

Share of OSAP Recipients at an institution relative to its total # of eligible students 2017-18



Note 1: Total full-time OSAP awards at institution based on academic year-end data (OSAP academic year starts August 1, with academic year-end data available at end of August in the following year)/Total Fall operating grant eligible headcount enrolment at institution (based on November 1st reporting).

Note 2: These OSAP participation rates are the latest sector-wide OSAP rates available as reported for the Strategic Mandate Agreement.

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: OSAP and Official government enrolment data.



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, McMaster excels at interdisciplinary and collaborative research, working with industry, government, and 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 intend 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 in creative ways. 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's Strategic Plan for Research, *Research for a Brighter World*, affirms our commitment to research excellence, highlights the core values and diverse strengths of the University's research enterprise, and identifies eight strategic initiatives designed to meet the complex challenges of the future.
- McMaster researchers are playing a leading role in working to address the most significant health issues facing our local and global communities:
 - The Michael G. DeGroote Institute for Infectious Disease Research has a global reputation for excellence in infectious disease research and antimicrobial resistance. A recent investment of \$2.6M will support the Institute's pursuit of improved treatments for diseases such as TB and Malaria.
 - McMaster is home to the Canadian Institutes of Health Research (CIHR) Institute of Infection and Immunity, which is at the forefront of research into antimicrobial resistance, HIV, Hepatitis C, Lyme disease, the microbiome, and organ transplantation. Our work in this area has been bolstered by a \$7.9M investment in support of the Institute and the research it enables.
 - A recognized leader in scientific research related to child development, the Offord Centre for Child Studies endeavours to improve the present and future lives of children, youth and families by encouraging and supporting evidenced-based policy development. With the support of a \$3.4M investment, researchers affiliated with the Centre are investigating the impact of parenting methods on behavioural and emotional problems in babies and children.
 - Researchers at the Labarge Centre for Mobility in Aging are applying a design-led approach to examine the biological, behavioural, technological, and environmental factors affecting individual and community mobility as people age. The goal of the Centre is to optimize the well-being of our aging population.
- McMaster is known for its innovation and excellence in advanced materials and manufacturing research:
 - McMaster is a key partner in Next Generation Manufacturing, the national supercluster network designed to bring industry, academia, and not-for-profits together to develop Canada's next generation of manufacturing capabilities. McMaster is also one of three Ontario universities leading the Advanced Manufacturing Consortium, which provides businesses with access to our technical expertise and world-class assets.
 - 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. In 2018, MMRI was able to achieve a twenty-fold increase in productivity for a Burlington-based partner following the design, testing and implementation of new tool and machining parameters.



A recent investment of \$2.6M will support The Michael G. DeGroote Institute for Infectious Disease Research. The Institute has a global reputation for excellence in infectious disease research and antimicrobial resistance.

- The Canadian Centre for Electron Microscopy (CCEM) – a national facility housed at McMaster providing world-class electron microscopy capabilities and expertise to Canadian researchers and industry – enables discoveries on the atomic and electronic structure of materials in areas as diverse as biomedical applications and medical imaging, energy conversion, water purification, sensor technologies, and quantum computing.
- The McMaster Automotive Resource Centre (MARC), one of the world's leading academic research centres focused on transportation electrification, engages more than 475 graduate students, undergraduates, and postdoctoral fellows. Through partnerships with companies such as Fiat Chrysler Automobiles, Ford, GM, and ArcelorMittal Dofasco, in addition to numerous SMEs, students work on experiential learning projects in support of industry needs, while studying and working at MARC.
- McMaster continues to be a Canadian leader in nuclear science. The University houses an integrated suite of research facilities that enable discoveries in medicine, clean energy, nuclear safety, materials and environmental science, and include the following nuclear infrastructures:
 - The McMaster Nuclear Reactor (MNR) provides neutrons for research and medical isotope production, and is the world's only self-funded research reactor. Access to neutrons is essential to support Canadian innovation in medicine, environmental and agricultural science, advanced materials, and clean energy technology. Neutron sources are also the only means of generating important medical isotopes for the treatment and diagnosis of cancer. A major role of the MNR is to provide service to nearly 30 commercial entities within Canada and internationally.
 - The Centre for Advanced Nuclear Systems (CANS) is a regional nuclear research centre, headquartered at McMaster, which provides unique world-class capability to advance research in three focus areas: nuclear materials behaviour, nuclear safety thermohydraulic behaviour, and health physics dose response investigation.
- The Faculty of Social Sciences continues to develop the Centre for Empirical Social Sciences Research (CRESS). The overarching goal of CRESS is to enhance the research facilities and research support available to faculty, research staff, and graduate students in the social sciences.
- The McMaster Health Forum, which supports and promotes evidence-informed policy about health and social systems in Ontario, Canada, and internationally, celebrated its 10th anniversary this year, with new grants, partners and milestones, as well as an expanded focus on social systems. The recently launched Partners for Evidence-driven Rapid Learning in Social Systems (PERLSS) is a partnership of 70 people across 27 organizations in 14 countries who are using Social Systems Evidence to directly inform decision-making relating to the United Nations' Sustainable Development Goals. The Forum has also funded 60 internships and expanded its Queen Elizabeth Scholarships program.

Over the last five years, from 2014 to 2018, McMaster researchers generated over \$1.7B in external research funding (Re\$earch Infosource).



- McMaster Innovation Park (MIP) provides a range of office, lab, and specialized facilities to more than 65 companies with more than 800 people working onsite. MIP is also home to The Forge, the University's accelerator, which supports early stage entrepreneurs and rapid growth technology companies in its incubation space.
- The McMaster Industry Liaison Office (MILO) is focused on supporting commercialization of the cutting-edge work undertaken by our researchers, enabling them to successfully bridge the gap from research to commercial application and creating positive economic and social impact in the region. Recent initiatives include:
 - The 2018 Health Sciences Venture Fair attracted more than 100 investors, industry professionals, researchers and students, and provided the opportunity for McMaster faculty and students to showcase innovations with high commercialization potential to the investment and pharmaceutical communities.
 - More than 250 industry representatives, entrepreneurs, academic researchers and students attended MILO's 9th Annual Innovation Showcase. With the theme focused on biomedical technologies, the event highlighted the role and impact of McMaster research in shaping the future of healthcare.
- MILO's Entrepreneur-in-Residence program is a new initiative which matches successful entrepreneurs and executives who are interested in providing guidance and consultation for projects, with researchers exploring opportunities for commercialization and entrepreneurship.
- McMaster's Centre for Probe Development and Commercialization (CPDC), which translates research findings on medical isotopes into new diagnostic tests and cancer treatments, is one of five National Centres of Excellence for Commercialization and Research and is the only such Centre to have been awarded funding from the Centres of Excellence program for a third time.
- McMaster is expanding its R&D relationships with aerospace and transportation sectors. Our researchers are working with companies such as General Dynamics, Thales, PatriotOne Technologies, Bombardier, Eaton Aerospace, Fiat Chrysler Automobiles, and Honda to develop a critical mass of expertise and design industry-relevant courses, workshops and events.
- McMaster is a partner in the \$10.5M Centre for Integrated Transportation and Mobility (CITM), along with Nokia Canada, Canada Cartage, Geotab, IBM Canada, Ontario Centres of Excellence (OCE), the City of Hamilton, Mohawk College and Innovation Factory. CITM provides business and technical advisory services and resources to Ontario-based start-ups and small- and medium-sized enterprises with the aim of accelerating the development of connected and autonomous, multi-modal and integrated mobility technology solutions and business models.
- A research partnership with General Dynamics Mission Systems is helping to train highly qualified personnel and advancing state-of-the-art sensing technologies resulting in significant economic and societal impacts.
- New research is helping engineers at Fiat Chrysler Automobiles improve their modelling capabilities, resulting in more sophisticated algorithms and development tools, and enabling the company to design higher-quality prototypes more quickly.



From 2013 to 2017, McMaster received \$498.5M in corporate research partnerships (grants or contracts received from corporate sources), placing McMaster first in Canada (Re\$earch Infosource 2018).

KEY OUTCOMES

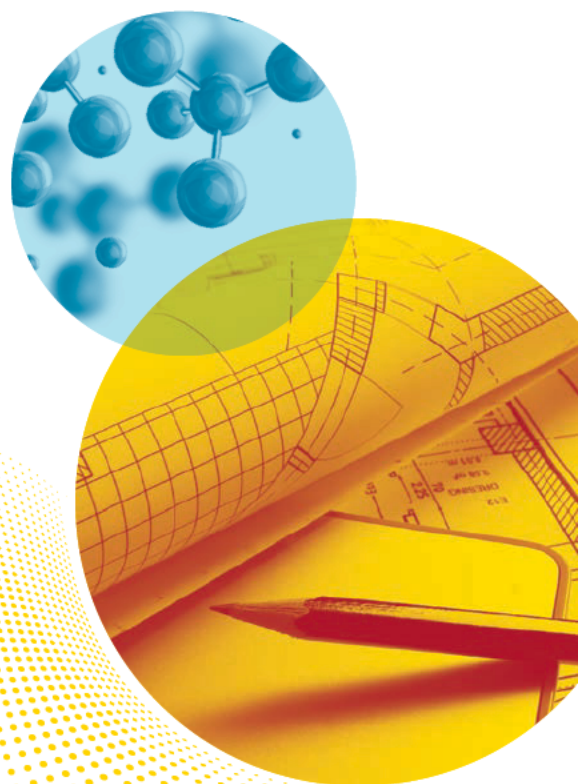
- In 2018, McMaster ranked first in the country for research intensity for the second consecutive year, averaging \$434,700 per faculty member, a 7.3 per cent increase from the previous year, and more than double the national average. McMaster also ranked seventh overall in total research income, bringing in \$380M (Re\$earch Infosource). We are one of only two Ontario universities consistently ranked among the top 100 universities in the world and are currently ranked fourth in Canada (ARWU).
- Over the last five years, from 2014 to 2018, McMaster researchers generated over \$1.7B in external research funding (Re\$earch Infosource).
- From 2013 to 2017, McMaster received \$498.5M in corporate research partnerships (grants or contracts received from corporate sources), placing McMaster first in Canada (Re\$earch Infosource 2018).
- The strength of McMaster's research is seen in the 2018 listing of the world's most highly-cited researchers from Clarivate Analytics. The listing included 18 McMaster researchers, placing us third among U15 institutions. Based on Clarivate Analytics data, McMaster ranks second

within the U15 in Category Normalized Citation Impact (last 10 years – 2009 to 2018).

- McMaster is home to 70 Canada Research Chairs (CRCs), 114 endowed chairs, 14 endowed professorships, two Canadian Institutes of Health Research Chairs, one Canada 150 Research Chair, six Natural Sciences and Engineering Research Council (NSERC) Industrial Research Chairs, and two Ontario Research Chairs. The University also has more than 70 research centres and institutes.
- McMaster has the highest average total Tri-Agency funding allocation per principal investigator (\$101,278 in 2016-17; most recent data available) of Ontario's research-intensive universities.
- In 2017-18, McMaster researchers, graduate students, and postdoctoral fellows received \$101.9M from the federal granting councils: \$55.5M from CIHR; \$36.0M from NSERC; and \$10.4M from the Social Sciences and Humanities Research Council (SSHRC).
- The McMaster Health Forum has worked with the World Health Organization (WHO) and the Pan American Health Organization (PAHO) to support, monitor and evaluate Evidence-Informed Policy

Networks in dozens of countries around the world. Together, McMaster and PAHO work towards the integration of research databases in Latin America and the Caribbean and the dissemination of relevant publications within the region.

- The Canadian Centre for Electron Microscopy has engaged more than 400 graduates, undergraduates, and postdoctoral fellows in its work, has partners and users from 170 research groups in Canada and internationally, and has supported more than 100 companies.

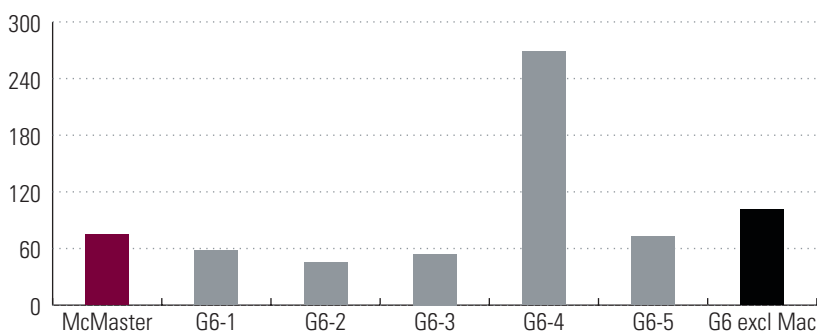


- Since the winter of 2015, over 500 graduate students and postdoctoral fellows from across campus have completed one or more of the five available courses for Teaching and Learning Certificates offered by the MacPherson Institute, which promote and support the integration of pedagogical research into teaching practices. In the Fall of 2018, 350 new and returning graduate student teaching assistants and sessional instructors attended the annual Teaching and Learning Forum.
- The number of graduate applications from students who meet the provincial grant funding eligibility criteria more than doubled (from 2,850 to 7,351) between 2007-08 and 2018-19, in part because of McMaster's international reputation for excellence.
- In 2017-18, several McMaster faculty were recognized for their research excellence: two were named as Fellows of the Royal Society of Canada; two were elected to the Royal Society's College of New Scholars, Artists and Scientists; two were awarded Killam Research Fellowships; one received the inaugural Gold Leaf Prize for Outstanding Achievements by an Early Career Investigator from CIHR; one was the recipient of an E.W.R Steacie Memorial Fellowship award from NSERC; and two were awarded the Order of Canada.
- In 2018, 11 McMaster graduate students were recipients of prestigious scholarships and fellowships – 10 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) 2016 17



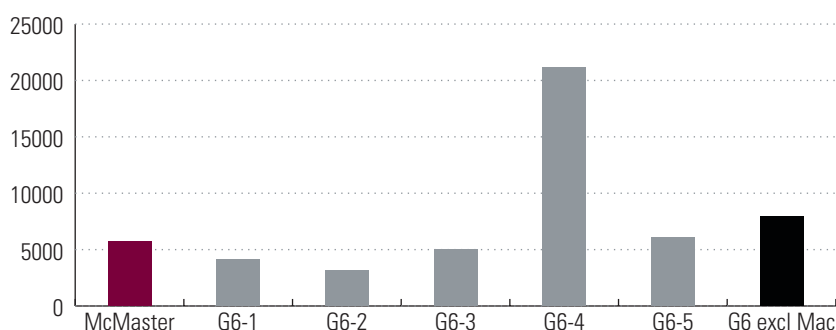
Note 1: 2016-2017 is the last comparable data available at the time of publication.

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.

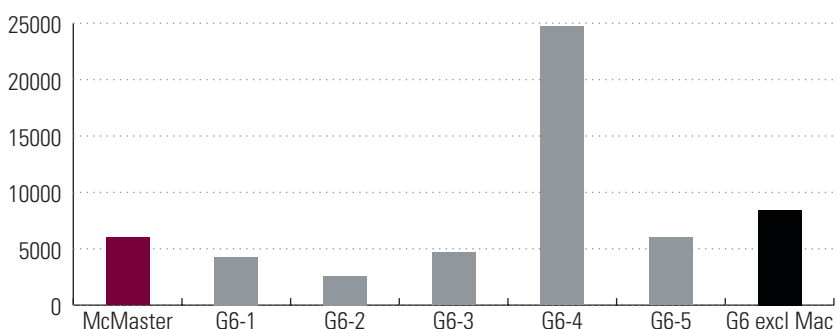
Total Number of Papers (InCites) – 2018 19



Note 1: The InCites count of Papers for 2018-19 is from the number of papers indexed in the Web of Science Core Collection for 2018-19 as of April 5, 2019.

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

Total Number of Citations (InCites) – 2018 19



Note 1: The InCites count of citations for 2018-19 is from the number of citations for papers indexed in the Web of Science Core Collection for 2018-19 as of April 5, 2019.

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 2018.

In 2018, McMaster received over 55,000 applications from over 41,000 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 2018, 30,385 undergraduate applicants were received from Ontario high schools.

New Ontario High School Applicants¹ and Yield Rates - University Total (2009-2018)

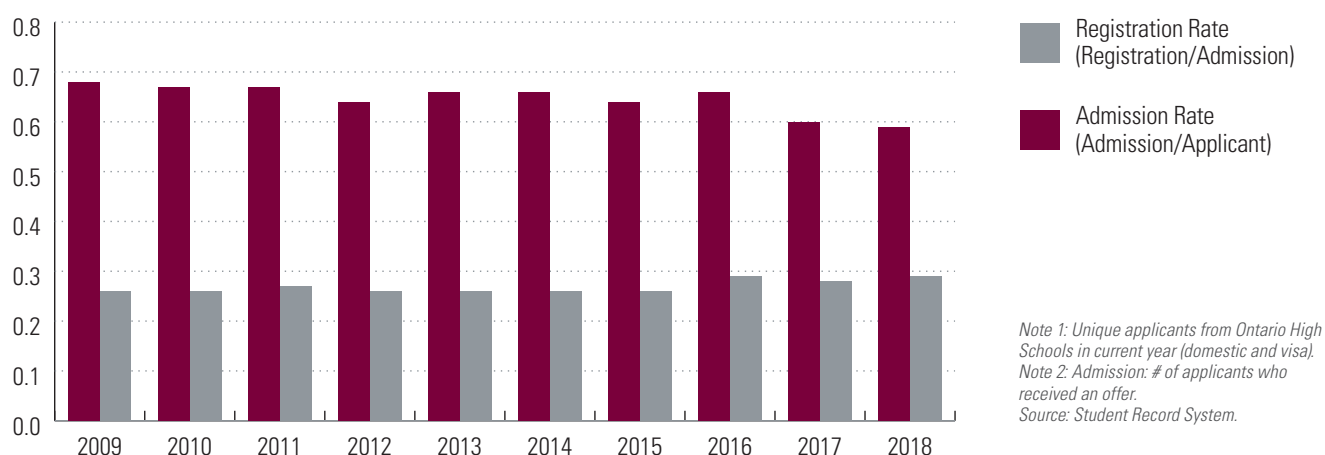
Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/ Applicant)	Confirmation Rate (Confirmation/ Admission)	Registration Rate (Registration/ Admission)
2009	25,673	17,537	4,697	4,535	0.68	0.27	0.26
2010	25,910	17,471	4,731	4,509	0.67	0.27	0.26
2011	27,150	18,066	5,165	4,946	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

Note 1: Unique applicants (domestic and visa).

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

Source: Student Record System

Undergraduate Admission and Registration Rates by Year, 2009 2018



In 2018, applications to McMaster increased from 38,237 to 41,413.

New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2009-2018

Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2009	#	6,651	6,842	6,959	11,168	31,620
	%	21.0	21.6	22.0	35.4	100
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

Note 1: Choice: The selection of a specific program at a specific University, in this case all choices shown are at McMaster.

Note 2: Includes students from Ontario high schools in current year.

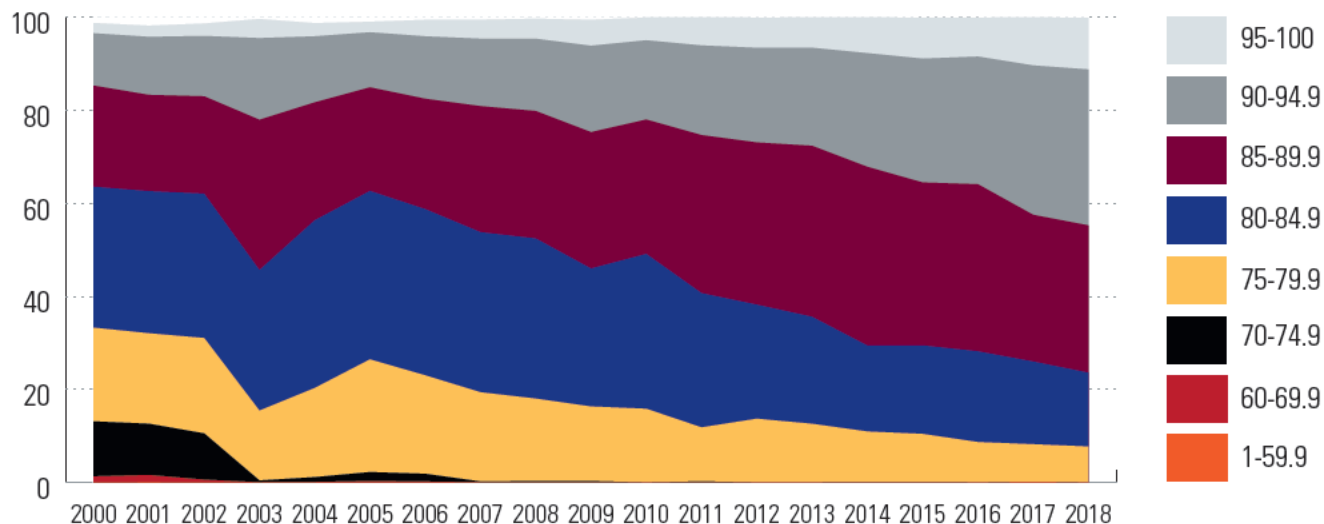
Note 3: Admission: # of applicants who received an offer.

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

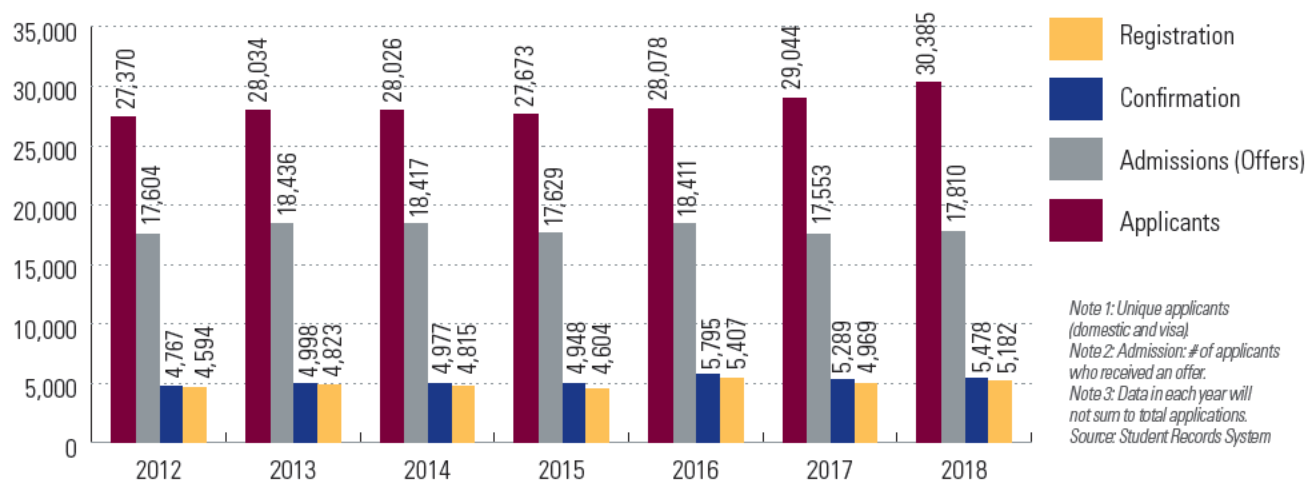
Source: Student Record System.

The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.5% in 2000 to 44.7% in 2018.

Grades of Entering Full-Time Undergraduate Students from Ontario High Schools—University Total, 2000-2018

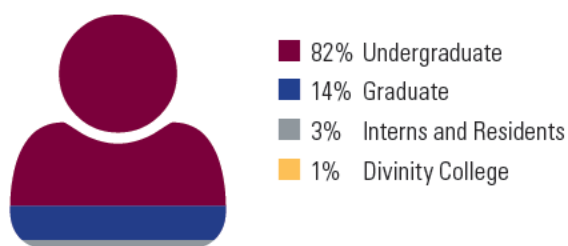


New Undergraduate Ontario High School Applicants¹ – University Total (2009-2018)



1,962 credit transfer students enrolled at McMaster in 2017-2018.

Total Undergraduate and Graduate Regular Session Headcount Enrolment, 2018-2019 (n=33,147)



Note 1: Undergraduate headcount enrolment includes Regular session as reported to MITCU 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

Over the last 5 years, undergraduate headcount enrolment has increased 9.8%.

Total Headcount Enrolment and Demographics, 2014-2015 to 2018-2019										
Undergraduate ¹	2014-2015		2015-2016		2016-2017		2017-2018		2018-2019	
	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	22,558	1,337	24,473	1,298	25,624	4,127	26,171	4,668	27,213	4,812
Part-Time	3,211	9,767	1,118	9,468	1,156	6,734	1,111	6,906	1,077	7,179
% Part-Time	12.5	88.0	4.4	87.9	4.3	62.0	4.1	59.7	3.8	59.9
Domestic	24,113	10,214	23,917	9,934	24,722	10,069	24,693	10,269	25,187	10,247
International	1,656	890	1,674	832	2,058	792	2,589	1,305	3,103	1,744
% International	6.4	8.0	6.5	7.7	7.7	7.3	9.5	11.3	11.0	14.5
Male	11,897	4,955	11,746	4,746	12,342	4,716	12,316	4,908	12,671	5,168
Female	13,872	6,149	13,845	6,020	14,438	6,145	14,856	6,666	15,402	6,705
% Female (Unknown)	53.8	55.4	54.1	55.9	53.9	56.6	54.7	57.6	54.4	56.0
New³	5,349	8	4,964	12	5,830	4	5,458	9	5,670	5
Continuing/Returning	19,676	10,869	20,188	10,667	20,554	10,724	21,277	11,444	21,992	11,824
% Continuing/Returning	78.6	99.9	80.3	99.9	77.9	100.0	79.6	100.0	79.5	100.0
Live on Campus	3,438		3,642		3,737		3,623			
Off Campus	22,331		22,073		23,043		23,659			
% Off Campus	86.7		85.8		86.0		86.7			
Graduate	2014-2015 Regular Session		2015-2016 Regular Session		2016-2017 Regular Session		2017-2018 Regular Session		2018-2019 Regular Session	
Full-Time	3,519		3,514		3,712		3,811		4,088	
Part-Time	829		760		773		750		769	
% Part-Time	19.1		17.8		17.2		16.4		15.8	
Domestic	3,431		3,402		3,501		3,432		3,560	
International	917		872		984		1,129		1,297	
% International	21.1		20.4		21.9		24.8		26.7	
Male	2,211		2,057		2,145		2,190		2,287	
Female	2,137		2,217		2,340		2,369		2,558	
% Female	49.1		51.9		52.2		52.0		52.7	
Diploma/Certificate	68		78		134		142		186	
Master's	2,759		2,768		2,907		2,960		3,144	
Doctoral	1,521		1,428		1,444.0		1,459		1,527	
% Doctoral	35.0		33.4		32.2		32.0		31.4	
University Total⁴	30,117		29,865		31,265		31,843		33,147	

Note 1: Undergraduate headcount enrolment includes Spring/Summer, Regular session as reported to MTCU 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.

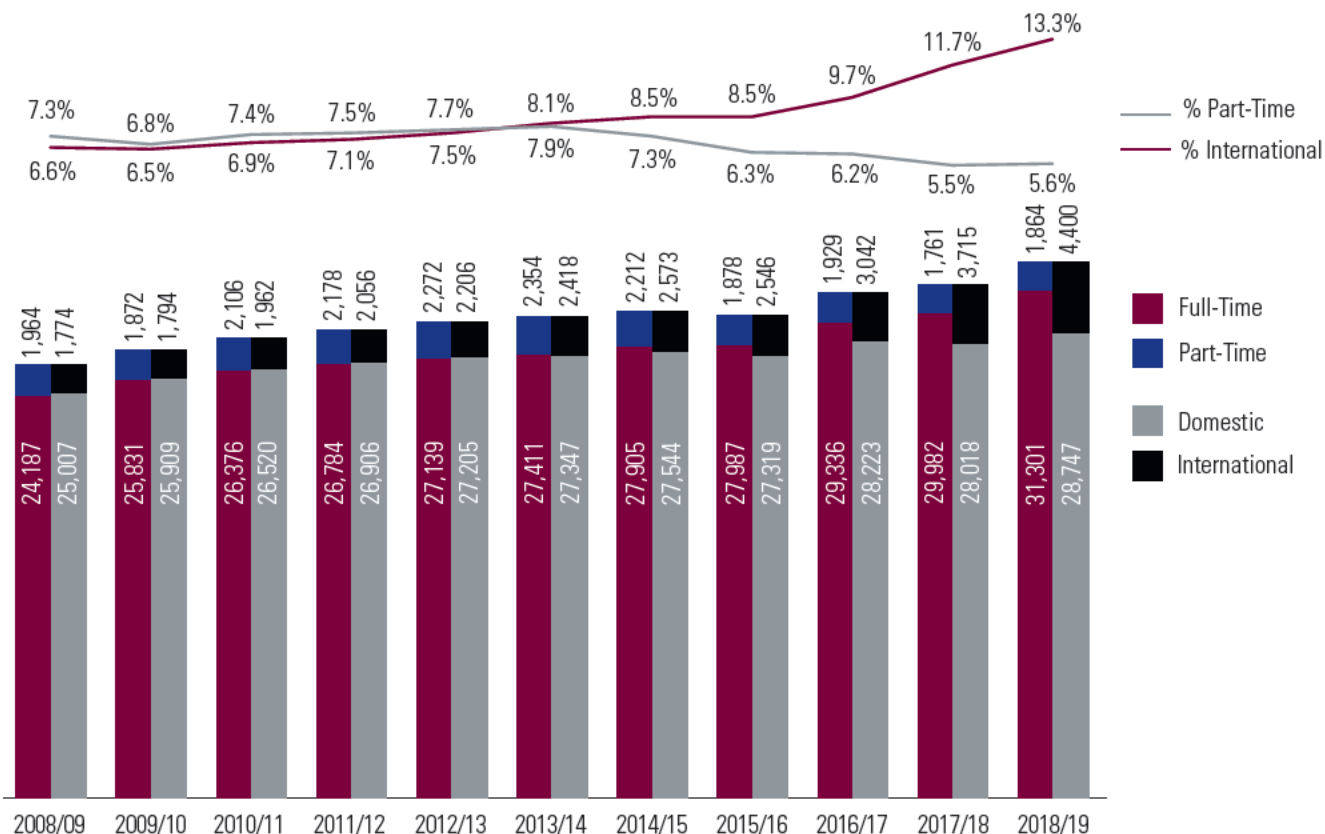
Note 5: Headcount excludes students on co-op work term.

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

In Fall 2018, 13.3% of all McMaster students were international, up 2.0% from last year, from 120 countries.

Total Headcount Enrolment with Percentage of Part-Time Students and International Students, 2008-2018³

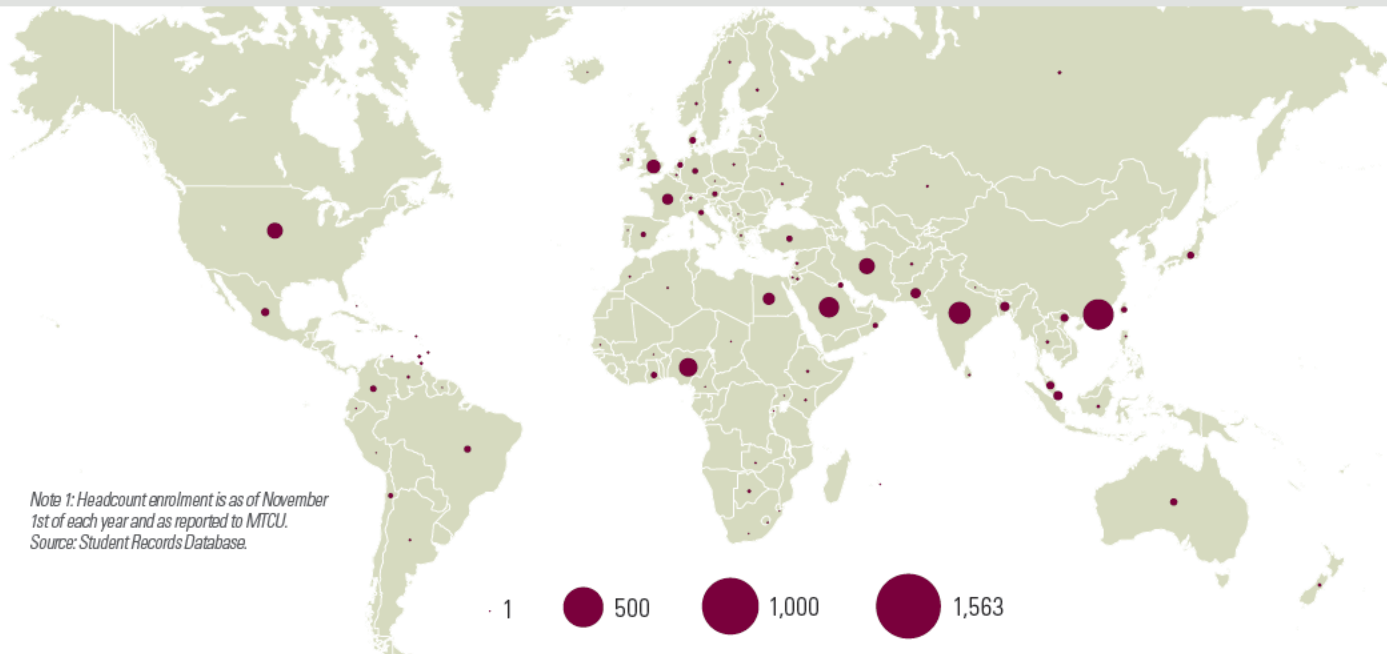


Note 1: Undergraduate headcount enrolment includes Regular session as reported to MTCU on each count date. Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.
 Note 2: Regular session includes fall only.
 Note 3: New undergraduate includes students 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

International Students Country of Origin

The majority of international students are from China (60.8%), India (7.8%), Iran (3.7%), Saudi Arabia (3.1%) and South Korea (2.1%)



Fall 2018 full-time headcount consisted of 27,213 undergraduate and 4,088 graduate students, totaling 31,301.



Undergraduate Enrolment and Demographics, 2018-2019

Undergraduate	Level	FFTE¹	Headcount²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Business	1	982.0	959	19	978	978	0	417	558	711	11	256
	2	808.9	788	1	789	789	0	385	401	596	9	184
	3	816.1	850	8	858	858	0	364	490	664	8	186
	4	558.6	580	54	634	634	0	268	365	550	9	75
	Other⁵	4.1	2	5	7	0	7	4	3	6	0	1
	Total	3169.7	3,179	87	3,266	3,259	7	1,438	1,817	2,527	37	702
Engineering³												
Engineering (Excluding Computer Science, Engineering Technology)	1	1,134.5	1,126	10	1,136	1,136	0	310	822	920	37	179
	2	963.4	972	4	976	976	0	227	746	766	20	190
	3	862.5	932	9	941	941	0	197	742	762	18	161
	4	736.1	868	35	903	903	0	191	711	802	13	88
	5	159.8	191	5	196	196	0	38	158	186	5	5
	Other	21.4	33	4	37	32	5	14	23	32	0	5
	Total	3,877.6	4,122	67	4,189	4,189	5	977	3,202	3,441	93	655
Computer Science	1	59.1	59	0	59	59	0	12	45	30	2	27
	2	55.9	59	1	60	60	0	10	50	37	1	22
	3	49.3	54	0	54	54	0	11	43	45	1	8
	4	68.25	72	6	78	78	0	13	65	74	0	4
	Total	232.6	244	7	251	251	0	46	203	186	4	61
Engineering Technology	1	261.7	264	0	264	264	0	41	218	207	4	53
	2	189.5	205	5	210	210	0	35	173	163	4	43
	3	266.0	328	114	442	442	0	68	344	405	0	37
	4	304.2	384	405	489	489	0	60	423	438	11	40
	Total	1,021.4	1,181	224	1,405	1,405	0	204	1,158	1,213	19	173
Engineering Total		5,131.6	5,547	298	5,845	5,840	5	1,227	4,563	4,840	116	889

Part-time enrolment was made up of 1,077 undergraduate and 769 graduate students (Fall 2018).³

Female undergraduate students represented 54.4% of total undergraduate enrolment in Fall 2018.

Undergraduate Enrolment and Demographics, 2018-2019 (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	Interna- tional
Health Sciences ⁴												
Bachelor of Health Sciences	1	291.0	268	1	269	269	0	201	65	242	26	1
	2	294.7	281	0	281	281	0	182	92	253	27	1
	3	340.5	336	0	336	336	0	204	130	314	14	8
	4	216.9	222	3	225	225	0	122	98	208	16	1
	5	8.0	5	0	5	5	0	4	1	4	1	0
	Other	7.4	6	2	8	2	6	7	0	6	0	2
	Total	1,158.5	1,118	6	1,124	1,124	6	720	386	1,027	84	13
School of Medicine	1	202.0	202	0	202	202	0	110	92	190	12	0
	2	207.5	208	0	208	208	0	109	99	195	13	0
	3	202.0	202	0	202	202	0	113	89	193	9	0
	Total	611.5	612	0	612	612	0	332	280	578	34	0
Midwifery	1	25.1	32	0	32	32	0	31	0	31	1	0
	2	26.9	28	2	30	30	0	27	0	24	6	0
	3	30.8	25	0	25	25	0	25	0	20	5	0
	4	41.5	41	0	41	41	0	41	0	28	13	0
	Total	124.2	126	2	128	128	0	124	0	103	25	0
Nursing	1	137.4	136	3	139	139	0	122	14	138	0	1
	2	110.9	109	1	110	110	0	103	5	110	0	0
	3	230.9	195	2	197	197	0	160	31	194	2	1
	4	176.1	201	2	203	203	0	176	22	199	2	2
	Total	655.2	641	8	649	649	0	561	72	641	4	4
Interdisciplinary Health Sciences	2	28.6	29	0	29	29	0	12	17	28	1	0
	Total	28.6	29	0	29	29	0	12	17	28	1	0
Collaborative Nursing	1	268.2	274	10	284	284	0	255	29	283	0	1
	2	351.0	338	13	351	351	0	308	43	351	0	0
	3	347.2	330	42	372	372	0	325	47	371	0	1
	4	289.5	359	5	364	364	0	315	49	364	0	0
	Total	1,255.9	1,301	70	1,371	1,371	0	1,203	168	1,369	0	2
Residents	Other	1,114.2	1,116	0	1,116	0	1,116	550	563	756	155	205
	Total	1,114.2	1,116	0	1,116	0	1,116	550	563	756	155	205
Health Sciences Total		4,948.0	4,943	86	5,029	3,907	1,122	3,502	1,486	4,502	303	224

Students from Ontario represent 86.4% of total undergraduate enrolment in Fall 2018.

Undergraduate Enrolment and Demographics, 2018-2019 (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	515.1	544	17	561	561	0	363	185	502	14	45
	2	576.3	600	21	621	621	0	414	201	572	10	39
	3	521.6	529	33	562	562	0	362	194	528	7	27
	4	403.4	429	42	471	471	0	333	134	462	1	8
	Other ⁵	27.7	31	16	47	24	23	31	16	19	5	23
	Total	2,044.2	2,133	129	2,262	2,239	23	1,503	730	2,083	37	142
Science	1	1,947.5	1,897	10	1,907	1,907	0	1,215	683	1,604	49	254
	2	1,934.4	1,855	14	1,869	1,869	0	1,184	680	1,637	30	202
	3	1,729.0	1,716	16	1,732	1,732	0	1,120	610	1,572	35	125
	4	1,394.1	1,478	33	1,511	1,511	0	1,002	502	1,428	19	64
	5	46.4	14	1	15	15	0	7	8	14	0	1
	Other	82.2	93	42	135	37	98	84	49	95	1	39
	Total	7,133.6	7,053	116	7,169	7,071	98	4,612	2,532	6,350	134	685
Social Sciences	1	1,168.9	1,211	26	1,237	1,237	0	790	432	1,051	28	158
	2	1,142.2	1,175	32	1,207	1,207	0	811	377	1,049	27	131
	3	934.5	959	76	1,035	1,035	0	705	312	944	20	71
	4	598.1	657	65	722	722	0	531	190	683	11	28
	Other	32.1	36	19	55	23	32	38	17	32	0	23
	Total	3,875.8	4,038	218	4,256	4,224	32	2,875	1,328	3,759	86	411
Arts & Science	1	72.2	70	0	70	70	0	48	21	58	11	1
	2	60.5	59	0	59	59	0	41	18	54	5	0
	3	71.2	71	0	71	71	0	50	21	64	7	0
	4	67.0	71	3	74	74	0	60	14	69	5	0
	Other	0.8	0	1	1	0	1	1	0	1	0	0
	Total	271.7	271	4	275	274	1	200	74	246	28	1
Divinity College	1	17.1	11	20	31	29	2	8	22	26	1	4
	2	25.9	19	15	34	33	1	9	25	27	1	6
	3	6.5	2	16	18	18	0	3	15	10	1	7
	4	2.3	0	13	13	13	0	3	10	7	2	4
	5	1.9	0	11	11	11	0	4	7	5	0	6
	Other	42.7	17	64	81	62	19	18	62	52	10	19
	Total	96.2	49	139	188	166	22	45	141	124	15	49
University Total	1	7,081.6	7,053	116	7,169	7,167	2	3,923	3,186	5,993	196	980
	2	6,776.5	6,725	109	6,834	6,833	1	3,857	2,927	5,862	154	818
	3	6,408.0	6,529	316	6,845	6,845	0	3,707	3,068	6,083	127	635
	4	4,856.1	5,362	366	5,728	5,728	0	3,115	2,583	5,312	102	314
	5	216.0	210	17	227	227	9,731	53	174	209	6	12
	Other	1,332.5	1,334	153	1,487	180	1,307	747	733	972	171	344
Total		26,670.8	27,213	1,077	28,290	26,980	1,310	15,402	12,671	24,431	756	3,103

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2018-2019.

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, 2018 and as reported to MTCU.

Note 3: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)

Note 4: Health Sciences includes Bachelor of Health Sciences, School of Medicine, Midwifery, Nursing, Collaborative Nursing, Residents and Occasional/Continuing/Other.

Note 5: Other level includes continuing students.

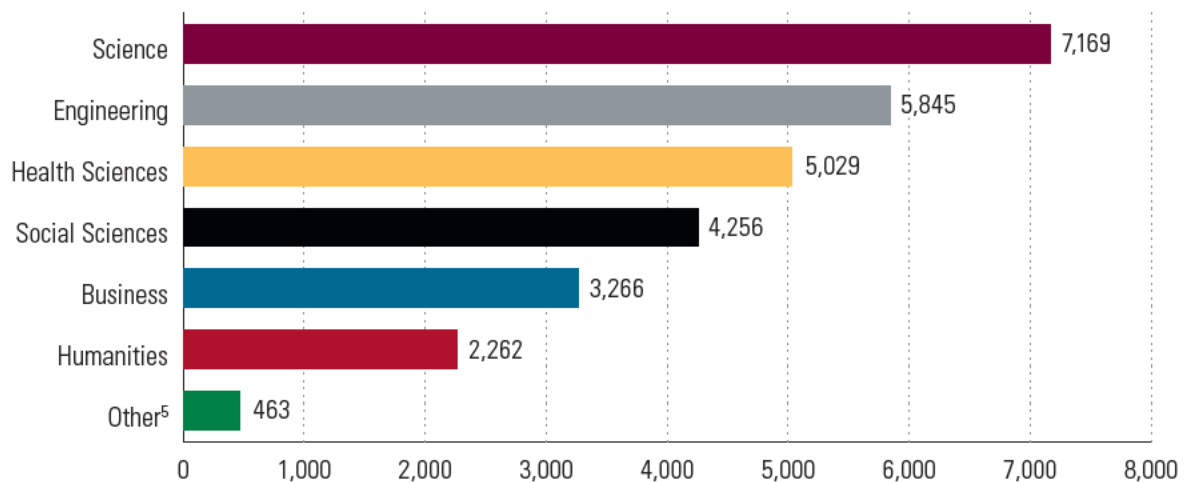
Source: Student Record Database



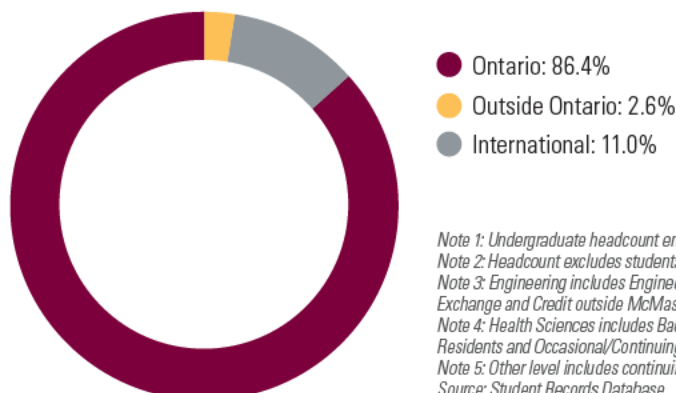
25.3% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 20.7% in Engineering and 17.8% in Health Sciences.

In Fall 2018, international students made up 11.0% of undergraduate student headcount enrolment.

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2018-2019 (n=28,290)



Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2018-2019 (n=2,290)



Note 1: Undergraduate headcount enrolment is as of November 1, 2018 and as reported to MTCU

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

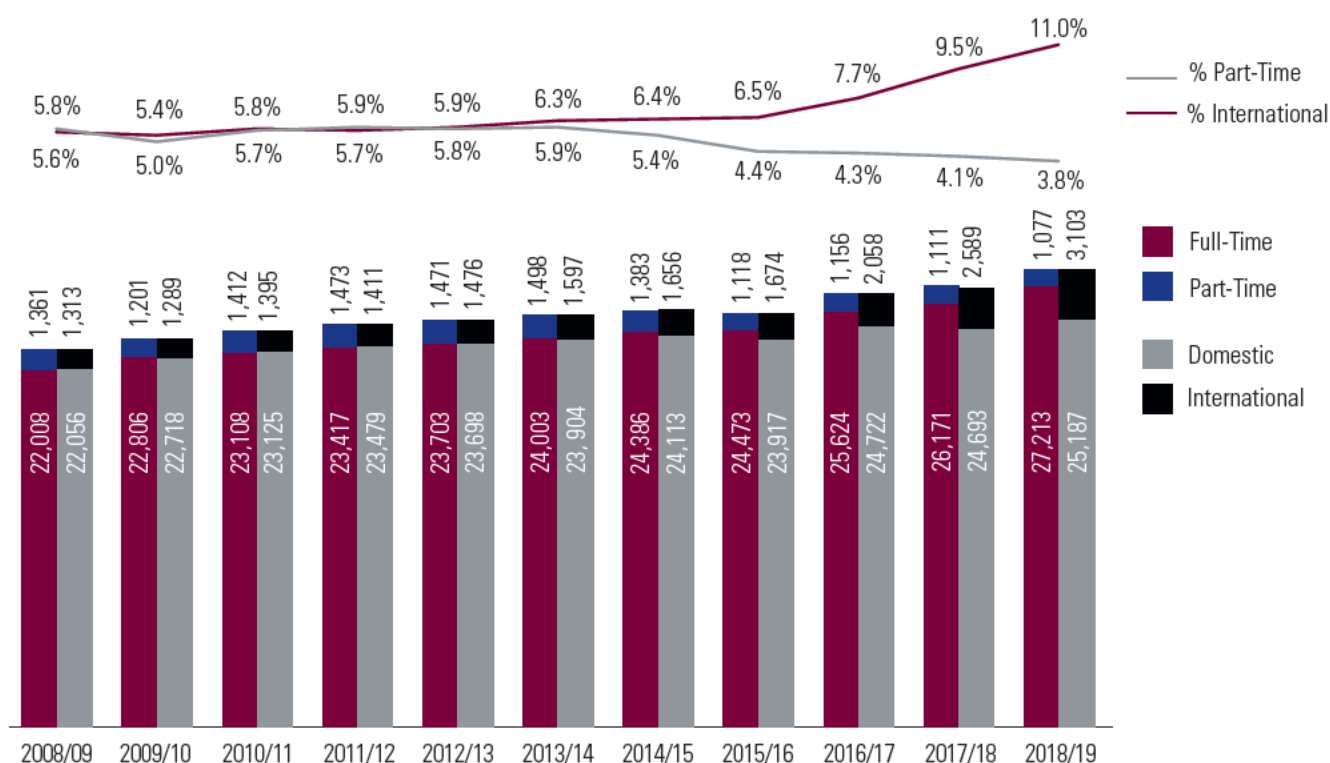
Note 3: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)

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.

Undergraduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2008-2018³



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

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 2008-2009 to 3.8 in 2018-2019.

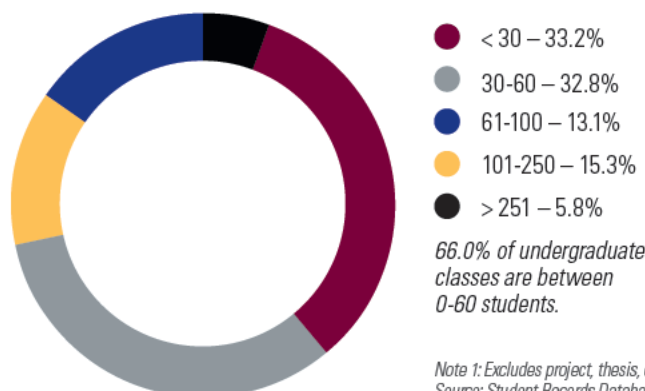
Undergraduate Class Size by Year Level, Fall 2018

Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
<30	31	13.4	78	19.3	164	34.2	212	61.3
30 – 60	58	25.0	125	30.9	191	39.8	105	30.3
61 – 100	36	15.5	76	18.8	66	13.8	13	3.8
101 – 250	58	25.0	95	23.5	55	11.5	15	4.3
>251	49	21.1	30	7.4	4	0.8	1	0.3
Total	232	100.0	404	100.0	480	100.0	346	100.0

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

The Faculty of Health Sciences had the highest percentage of total graduate enrolment (26.8%).

Undergraduate Class Size, Fall 2018 (n=1,462)



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, 2018-2019

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	127.6	130	0	130	130	0	118	12	129	0	1
	2	167.9	154	5	159	159	0	130	29	159	0	0
	3	169.1	160	24	184	184	0	159	25	183	0	1
	4	146.8	177	3	180	180	0	153	27	180	0	0
	Total	611.4	621	32	653	653	0	560	93	651	0	2
Conestoga Nursing	1	140.6	144	10	154	154	0	137	17	154	0	0
	2	183.1	184	8	192	192	0	178	14	192	0	0
	3	178.1	170	18	188	188	0	166	22	188	0	0
	4	142.7	182	2	184	184	0	162	22	184	0	0
	Total	644.5	680	38	718	718	0	643	75	718	0	0
Medical Radiation Science (Mohawk)	1	0	0	0	0	0	0	0	0	0	0	0
	2	146.2	97	1	98	98	0	85	12	95	3	0
	3	141.1	97	0	97	97	0	82	15	93	2	2
	4	99.1	98	0	98	98	0	86	12	93	4	1
	Total	390.7	292	1	293	293	0	253	39	281	9	3
Bachelor of Technology (Mohawk)	1	261.7	264	0	264	264	0	41	218	207	4	53
	2	189.5	205	5	210	210	0	35	173	163	4	43
	3	92.8	184	4	188	188	0	33	155	162	0	26
	4	212.3	289	8	297	297	0	43	254	268	1	28
	Total	756.3	942	17	959	959	0	152	800	800	9	150
Total Collaborative Programs		2,402.9	2,535	88	2,623	2,623	0	1,608	1,007	2,450	18	155

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2018-2019.

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, 2018 and as reported to MTCU.

Note 3: Headcount excludes students on co-op work term.

Note 4: No mal unit load is determined by the Required Units specified in the University Calendar.

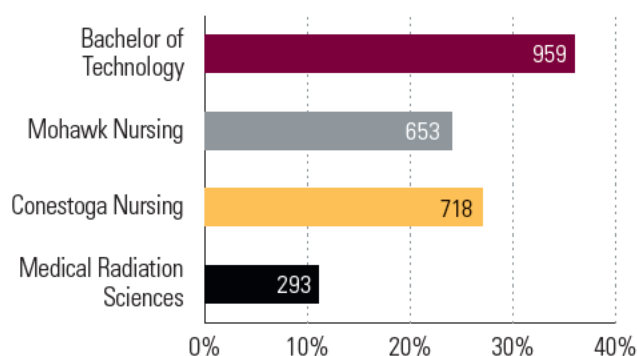
Source: Student Record Database

In 2018, 10 McMaster graduate students were named Vanier Scholars and one McMaster graduate student was named a Banting Fellow.



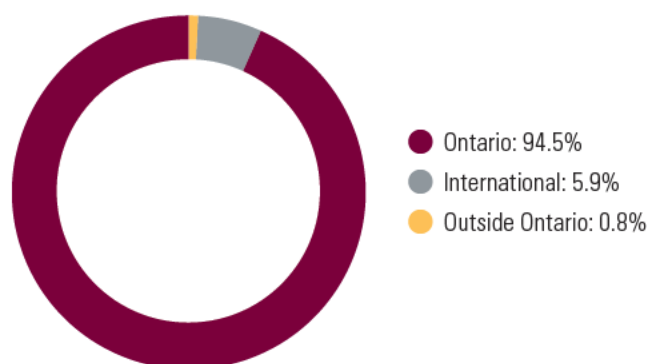
The Faculty of Engineering has the highest percentage of international graduate students (60.2%)

Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2018-2019 (n=2,535)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2018-2019. 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.

Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2018-2019 (n=2,535)



*Note 2: Undergraduate headcount enrolment is as of November 1, 2018 and as reported to MTCU.
 Note 3: Headcount excludes students on co-op work term.
 Note 4: No mal unit load is determined by the Required Units specified in the University Calendar.
 Source: Student Record Database*

The Faculty of Business has the highest percentage of international students (21.5%).

The Faculty of Social Sciences has the highest percentage of domestic graduate students from outside Ontario in Fall 2018 (11.0%).

Graduate Enrolment and Demographics, 2018-2019

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	666.9	621	153	774	668	78	28	356	418	405	34	335
	Total	666.9	621	153	774	668	78	28	356	418	405	34	335
Engineering	Chemical Engineering	89.3	89	1	90	33	57	0	30	60	38	1	51
	Civil Engineering	88.7	86	9	95	32	63	0	24	71	43	1	51
	Computing & Software	100.9	97	13	110	59	51	0	27	83	66	7	37
	Electrical & Computer Engineering	156.1	154	7	161	80	81	0	42	119	56	3	102
	Engineering Physics	65.0	62	10	72	37	35	0	13	59	48	5	19
	Faculty of Engineering - Exchange	45.0	45	0	45	0	0	45	13	32	1	0	44
	Materials Science & Engineering	64.3	64	1	65	33	32	0	23	42	24	3	38
	Mechanical Engineering	131.5	130	5	135	58	77	0	32	103	37	5	93
	School of Engineering Practice	204.3	198	21	219	219	0	0	58	161	55	2	162
	Total	959.1	939	67	1,006	565	396	45	269	737	372	28	606
Health Sciences	Biochemistry and Biomedical Sciences	140.0	140	0	140	65	75	0	64	76	121	3	16
	Chemical Biology	1.0	1	0	1	0	1	0	1	0	1	0	0
	Child Life Studies	35.3	32	11	43	43	0	0	43	0	37	3	3
	Clinical Behavioural Studies	5.7	0	19	19	0	0	19	15	4	18	0	1
	Faculty of Health Sciences	10.5	9	5	14	0	0	14	8	6	5	0	9
	Health Research Methodology	165.7	133	109	242	106	82	54	144	98	183	25	34
	Health Research Methods, Evidence, and Impact	54.0	51	10	61	59	2	0	47	14	55	3	3
	Health Science Education	40.8	27	46	73	73	0	0	51	22	55	14	4
	Medical Sciences	172.3	172	1	173	105	68	0	113	60	154	5	14
	Nursing	87.0	78	30	108	85	20	3	99	9	108	0	0
	Occupational Therapy	132.0	132	0	132	132	0	0	110	17	123	8	1
	Physiotherapy	127.0	127	0	127	127	0	0	84	41	113	14	0
	Rehabilitation Science	128.7	111	59	170	133	37	0	141	28	133	24	13
	Total	1,100.0	1,013	290	1,303	928	285	90	920	375	1,106	99	98

Health Sciences had the largest graduate student headcount enrolment in 2018-2019, with 1,303 students.

Graduate Enrolment and Demographics, 2018-2019 (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	10.0	10	0	10	4	6	0	6	4	8	1	1
	Communication Studies and Multimedia	37.3	22	51	73	64	9	0	53	19	58	11	4
	English and Cultural Studies	82.3	82	1	83	28	55	0	66	17	65	10	8
	Faculty of Humanities	4.0	4	0	4	0	0	4	3	1	0	0	4
	French	17.0	17	0	17	4	13	0	15	2	11	0	6
	Gender Studies and Feminist Research	10.0	10	0	10	10	0	0	10	0	6	2	2
	History	42.6	42	2	44	13	36	0	21	23	38	1	5
	Linguistics and Languages	25.0	25	0	25	9	16	0	14	11	18	2	5
	Philosophy	50.6	50	2	52	17	35	0	13	39	48	2	2
	Total	278.8	262	56	318	149	165	4	201	116	252	29	37
Science	Biology	84.3	84	1	85	48	37	0	51	34	62	3	20
	Chemistry	67.0	67	0	67	19	48	0	23	44	48	0	19
	Faculty of Science - Exchange	11.0	11	0	11	0	0	11	6	5	1	0	10
	Geography & Earth Sciences	78.1	76	7	83	38	45	0	44	39	69	4	10
	Kinesiology	48.9	48	3	51	27	24	0	30	21	50	1	0
	Mathematics & Statistics	78.0	78	0	78	48	30	0	25	53	48	2	38
	Medical Physics & Applied Radiation Science	19.8	18	6	24	14	10	0	9	15	21	0	3
	Physics & Astronomy	66.0	66	0	66	27	39	0	10	56	43	5	18
	Psychology, Neuroscience & Behaviour	107.3	107	1	108	36	72	0	72	36	94	4	10
	Total	460.4	555	18	573	257	305	11	270	303	436	19	118
Social Sciences	Anthropology	40.3	40	1	41	17	24	0	30	11	29	10	2
	Economics	43.3	43	1	44	21	23	0	15	29	31	5	8
	Faculty of Social Sciences	2.0	2	0	2	0	0	2	1	1	0	0	2
	Health, Aging and Society	24.0	24	0	24	8	16	0	22	2	21	1	2
	Labour Studies	16.6	16	2	18	14	4	0	11	7	18	0	0
	Political Science	53.0	53	0	53	22	31	0	15	29	31	5	8
	Religious Studies	38.3	38	1	39	10	29	0	13	26	22	7	10
	Social Work	38.3	35	11	46	24	20	2	32	12	40	5	1
	Sociology	42.0	42	0	42	15	27	0	28	13	37	4	1
	Total	297.8	293	16	309	131	174	4	183	123	244	34	31

52.7% of graduate students were female (Fall 2018).

Graduate Enrolment and Demographics, 2018-2019 (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	28.0	28	0	28	15	13	0	14	14	24	2	2
	e-Health	84.3	75	31	106	106	0	0	53	53	96	1	9
	Global Health	84.0	84	0	84	84	0	0	68	16	68	12	4
	Globalization	16.3	16	1	17	17	0	0	13	4	16	0	1
	Health Management	56.9	17	133	150	150	0	0	117	33	122	26	2
	Health Policy	30.0	30	0	30	0	30	0	17	13	20	1	9
	Interdisciplinary (Research)	4.0	4	0	4	0	0	4	4	0	0	0	4
	Neuroscience	51.3	51	1	52	27	25	0	37	15	49	2	1
	School of Biomedical Engineering	64.3	64	1	65	30	35	0	29	36	44	3	18
	School of Computational Science & Engineering	36.6	36	2	38	17	21	0	7	31	15	1	22
Total		455.7	405	169	574	446	124	4	359	215	454	48	72
University Total	Business	666.9	621	153	774	668	78	28	356	418	405	34	335
	Engineering	959.1	939	67	1,006	565	396	45	269	737	372	28	606
	Health Sciences	1,100.0	1,013	290	1,303	928	285	90	920	375	1,106	99	98
	Humanities	278.8	262	56	318	149	165	4	201	116	252	29	37
	Science	460.4	555	18	573	257	305	11	270	303	436	19	118
	Social Sciences	297.8	293	16	309	131	174	4	183	123	244	34	31
	Interdisciplinary	455.7	405	169	574	446	124	4	359	215	454	48	72
	Grand Total		4,318.7	4,088	769	4,857	3,144	1,527	186	2,558	2,287	3,269	291

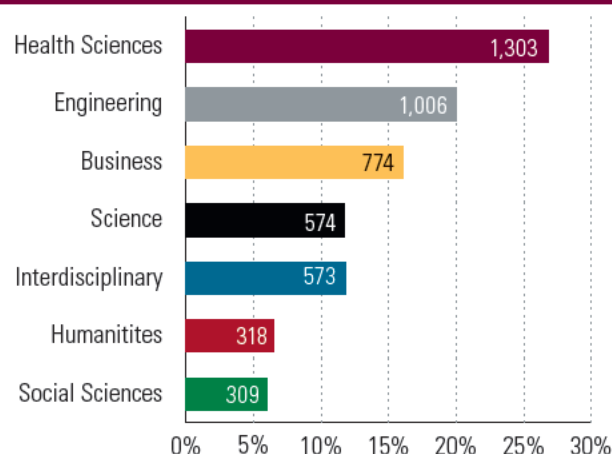
Note 1: FTE enrolment is as of November 1, 2018 and as reported to MTCU. FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.

Note 2: Graduate headcount enrolment is as of November 1, 2018 and as reported to MTCU.

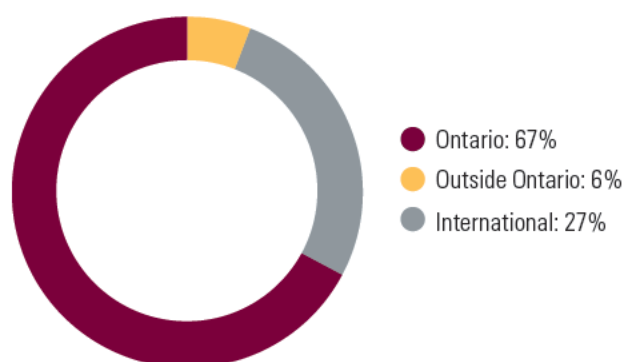
Source: Student Records Database

Graduate headcount enrolment comprised 14.7% of total enrolment in 2018-2019.

Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2018-2019 (n=4,857)



Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2018-2019 (n=4,857)



Note 1: FTE enrolment is as of November 1, 2018 and as reported to MTCU.

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

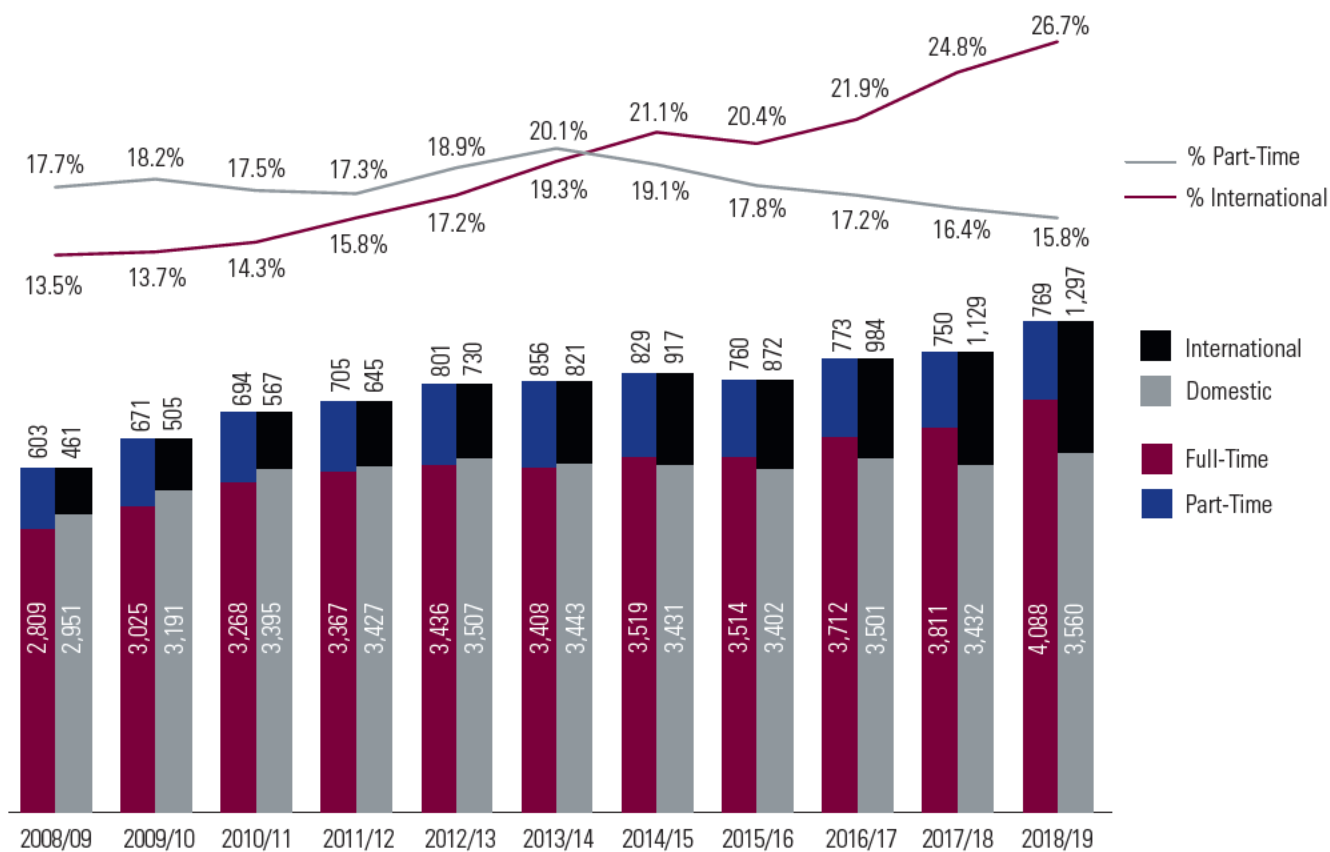
Note 2: Graduate headcount enrolment is as of November 1, 2018 and as reported to MTCU.

Source: Student Records Database

In Fall 2018, international graduate students represented 26.7% of the graduate student body.



Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2008-2018



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

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

Note 3: 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.



U Sports and Ontario University Athletics student athletes at McMaster represented 68.0% (2018/19 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

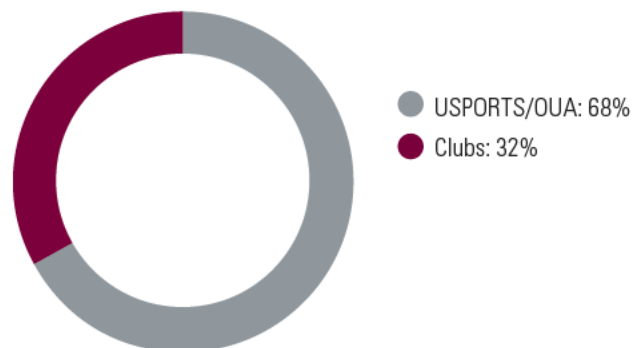
In 2018-2019, McMaster University had over 1,100 student athletes.

Student Athletes by Gender, 2018-2019 (n=1,182)



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, 2018-2019 (n=1,182)



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

9 McMaster student-athletes achieved USPORTS All-Canadian status for their respective sports

Women's Basketball were OUA Champions and U SPORTS National Champions in 2018-19, the first national title in program history.

Men's Cross Country were OUA Champions with all 5 scorers named Academic All-Canadians from the previous year.

Student Athletes by Sport, 2014-2018

Sport		2014			2015			2016			2017			2018		
		Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
USPORTS ¹	Basketball	14	29	48.3	16	37	43.2	15	34	44.1	15	30	50.0	13	31	41.9
	Cross-Country	18	42	42.9	15	34	44.1	18	42	42.9	17	42	40.5	23	56	41.1
	Football		103			90			95			97			104	
	Rugby – Female	41	41	100.0	33	33	100.0	31	31	100.0	27	27	100.0	37	37	100.0
	Swimming	23	48	47.9	22	51	43.1	21	43	48.8	26	47	55.3	32	50	64.0
	Soccer	27	60	45.0	34	66	51.5	31	70	44.3	32	69	46.4	31	67	46.3
	Volleyball	16	34	47.1	17	35	48.6	16	34	47.1	17	35	48.6	17	35	48.6
	Wrestling	12	36	33.3	7	28	25.0	6	36	16.7	8	24	33.3	9	31	29.0
	Total	151	393	38.4	144	374	38.5	138	385	35.8	142	371	38.3	162	411	39.4
OUA ¹	Badminton	10	21	47.6	6	14	42.9	7	18	38.9	9	22	40.9	8	18	44.4
	Baseball		24			30			35			28			26	
	Golf	4	18	22.2	1	12	8.3	2	14	14.3	5	17	29.4	4	10	40.0
	Fencing	23	54	42.6	17	51	33.3	24	66	36.4	37	88	42.0	35	95	36.8
	Lacrosse – Female	21	21	100.0	20	20	100.0	23	23	100.0	20	20	100.0	24	24	100.0
	Rowing	46	86	53.5	37	73	50.7	28	69	40.6	29	61	47.5	38	74	51.4
	Rugby – Male		63			56			63			57			63	
	Squash	9	16	56.3	10	22	45.5	9	24	37.5	6	19	31.6	9	22	40.9
	Tennis	19	28	67.9	14	25	56.0	8	21	38.1	8	22	36.4	12	28	42.9
	Water Polo	16	34	47.1	15	33	45.5	12	20	60.0	16	36	44.4	12	28	42.9
	Total	148	365	40.5	120	336	35.7	113	353	32.0	130	370	35.1	142	388	36.6
Clubs	Cheerleading	37	38	97.4	31	32	96.9	31	31	100.0	26	26	100.0	34	34	100.0
	Cricket															
	Cycling															
	Curling	6	11	54.5	8	13	61.5	9	14	64.3	11	16	68.8	10	19	52.6
	Dance	51	51	100.0												
	Fastpitch	13	13	100.0	13	13	100.0	13	13	100.0				14	14	100.0
	Field Hockey	23	23	100.0	23	23	100.0	20	20	100.0	17	17	100.0	20	20	100.0
	Figure Skating	26	26	100.0	39	40	97.5	18	20	90.0	31	31	100.0	32	32	100.0
	Football – Female	171	171	100.0	136	136	100.0	96	96	100.0	108	108	100.0	124	124	100.0
	Gymnastics	34	34	100.0	17	21	81.0									
	Ice Hockey – Female	16	16	100.0	18	18	100.0	17	17	100.0	19	19	100.0	21	21	100.0
	Lacrosse – Male		27			26			26			28			28	
	Life Guarding				4	4	100.0	3	5	60.0	19	27	70.4			
	Ice Hockey – Male		54			33			40			43				
	Synchro Swim	12	12	100.0	15	15	100.0	20	20	100.0	12	12	100.0	16	16	100.0
	Ultimate Frisbee	19	60	31.7	17	59	28.8	22	67	32.8	27	63	42.9	26	75	34.7
	Total	408	536	76.1	321	433	74.1	249	369	67.5	270	390	69.2	297	383	77.5
Grand Total		707	1,294	54.6	585	1,143	51.2	500	1,107	45.2	542	1,131	47.9	601	1,182	50.8

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

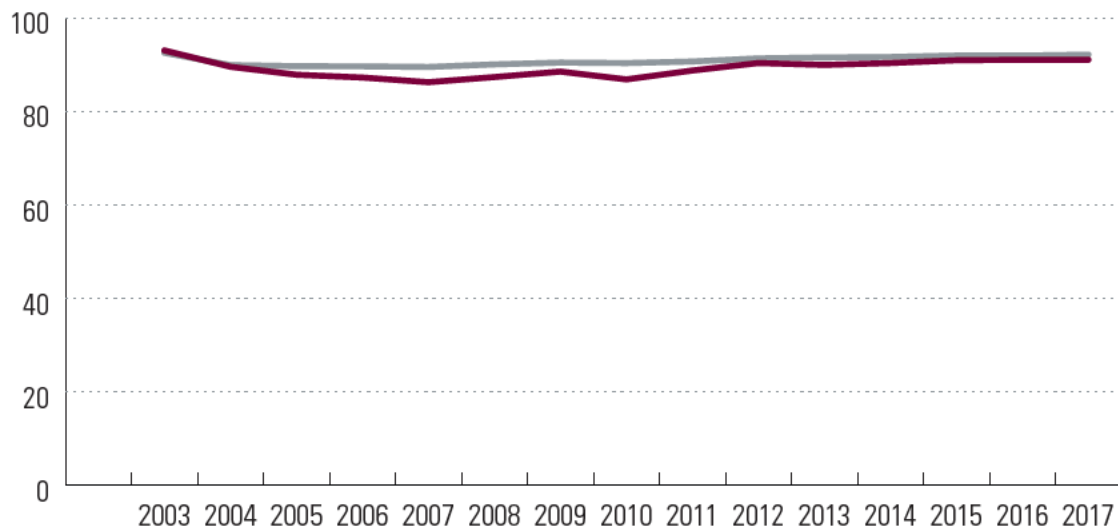


Approximately 91.0% of first-time, full-time, baccalaureate degree-seeking students of the 2017 entering cohort continued to second year.

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 – 2014 to 2018 Entering Cohort					
Total	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	5,182	4,950	5,813	5,443	5,653
% Continued to 2nd Year	90.3	90.9	91.0	91.0	
% Continued to 3rd Year	86.5	87.2	88.1		
% Continued to 4th Year	79.2	79.6			
% Continued to 5th Year	35.2				
Female	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	2,778	2,674	3,069	2,972	3,065
% Continued to 2nd Year	91.6	91.7	92.1	93.4	
% Continued to 3rd Year	87.9	88.3	89.4		
% Continued to 4th Year	81.5	82.8			
% Continued to 5th Year	26.2				
Male	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	2,404	2,276	2,744	2,444	2,559
% Continued to 2nd Year	88.8	90.0	89.7	89.4	
% Continued to 3rd Year	84.9	85.9	86.6		
% Continued to 4th Year	76.4	75.9			
% Continued to 5th Year	45.6				
Domestic	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	4,815	4,600	5,206	4,765	4,987
% Continued to 2nd Year	91.0	91.5	91.1	92.4	
% Continued to 3rd Year	87.3	87.8	88.4		
% Continued to 4th Year	79.8	79.8			
% Continued to 5th Year	35.7				
International	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	367	350	607	678	666
% Continued to 2nd Year	80.9	83.4	89.6	85.8	
% Continued to 3rd Year	75.8	79.1	85.3		
% Continued to 4th Year	71.4	77.1			
% Continued to 5th Year	28.6				
Total G6 ³ , Including McMaster	2014	2015	2016	2017	2018
Entering Cohort Headcount ²	37,281	38,521	38,969	39,102	N/A
% Continued to 2nd Year	91.6	91.8	91.9	92.1	
% Continued to 3rd Year	86.5	86.5	86.9		
% Continued to 4th Year	81.4	81.4			
% Continued to 5th Year	33.0				

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 2018 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 Rates ¹ of First Time, Full Time, Baccalaureate Degree Seeking Students – 2010 Cohort to 2014 Cohort					
Total	2010	2011	2012	2013	2014
Cohort Headcount	4,833	5,337	4,940	5,193	5,182
% Graduated in 4 Years	51.7	51.6	50.5	49.2	48.6
% Graduated in 5 Years	72.0	72.6	74.3	74.2	
% Graduated in 6 Years	77.5	79.0	80.1		
% Graduated in 7 Years	78.9	80.5			
% Graduated in 8 Years	79.6				
Female	2010	2011	2012	2013	2014
Cohort Headcount	2,521	2,759	2,638	2,725	2,778
% Graduated in 4 Years	63.3	64.6	61.4	59.3	60.4
% Graduated in 5 Years	78.1	80.5	80.0	80.7	
% Graduated in 6 Years	81.6	83.8	83.4		
% Graduated in 7 Years	82.3	84.6			
% Graduated in 8 Years	82.6				
Male	2010	2011	2012	2013	2014
Cohort Headcount	2,312	2,578	2,302	2,468	2,404
% Graduated in 4 Years	39.1	37.7	38.0	37.9	35.0
% Graduated in 5 Years	65.4	64.2	67.7	67.0	
% Graduated in 6 Years	73.1	73.9	76.4		
% Graduated in 7 Years	75.2	76.1			
% Graduated in 8 Years	76.4				
Domestic	2010	2011	2012	2013	2014
Cohort Headcount	4,540	4,984	4,598	4,861	4,815
% Graduated in 4 Years	52.0	52.0	50.2	49.4	48.8
% Graduated in 5 Years	72.4	73.4	74.5	74.6	
% Graduated in 6 Years	78.1	79.6	80.5		
% Graduated in 7 Years	79.4	81.1			
% Graduated in 8 Years	80.0				
International	2010	2011	2012	2013	2014
Cohort Headcount	293	353	342	332	367
% Graduated in 4 Years	47.8	45.9	53.8	45.2	45.8
% Graduated in 5 Years	66.2	62.3	71.6	68.7	
% Graduated in 6 Years	70.0	71.1	75.1		
% Graduated in 7 Years	71.7	72.2			
% Graduated in 8 Years	73.4				
Total G6 ² , Including McMaster	2010	2011	2012	2013	2014
Cohort Headcount	34,471	35,390	36,259	37,072	37,281
% Graduated in 4 Years	50.6	50.1	50.7	50.4	50.0
% Graduated in 5 Years	71.6	71.6	72.2	72.6	
% Graduated in 6 Years	76.9	77.3	77.8		
% Graduated in 7 Years	78.7	79.1			
% Graduated in 8 Years	79.4				

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.

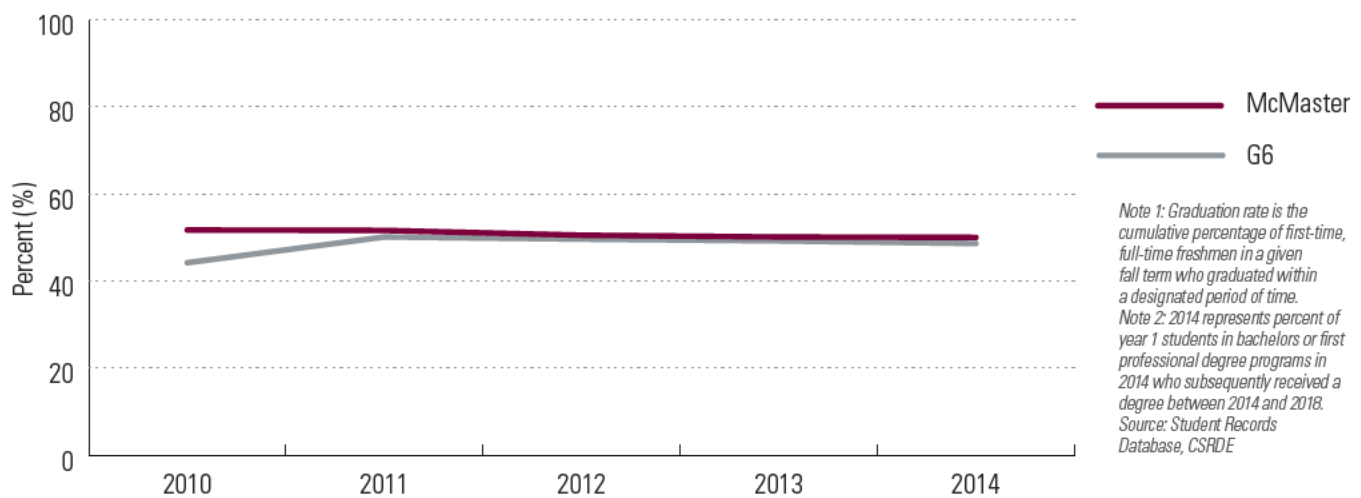
Note 2: G6 consists of McMaster and Ontario peers.

Source: Student Records Database, CSRDE

Based on the 2008 doctoral cohort study, students graduating from a PhD program at McMaster took an average of 5.0 years (median) to complete their studies.



4-Year Undergraduate Student Graduation Rates



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

Progression of 2012 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress		Promoted	
		#	%	Median Yrs	#	%	Median Yrs	#	%	#	%
Business	252	228	90.5	2.3	18	7.1	1.2	6	2.4		
Engineering	251	204	81.3	2.0	27	10.8	1.0			20	8.0
Health Sciences	174	125	71.8	2.3	22	12.6	0.7	4	2.3	23	13.2
Humanities	165	141	85.5	1.0	23	13.9	1.2			1	0.6
Interdisciplinary	164	138	84.1	2.0	15	9.1	1.0	1	0.6	10	6.1
Science	177	132	74.6	2.0	15	8.5	1.0			30	16.9
Social Sciences	135	117	86.7	1.0	15	11.1	0.7	1	0.7	2	1.5
Total	1318	1085	82.3	2.0	135	10.2	1.0	12	0.9	86	6.5

Progression of 2008 Doctoral Cohort after 9 years									
Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	8	7	87.5	5.3	1	12.5	1.7		
Engineering	61	44	72.1	4.3	16	26.2	1.7	1	1.6
Health Sciences	58	50	86.1	5.0	8	13.8	3.0		
Humanities	30	19	63.3	5.0	11	36.7	4.5		
Interdisciplinary	24	23	95.8	4.3	1	4.2	1.0		
Science	73	56	76.7	4.3	17	23.3	3.7		
Social Sciences	30	16	53.3	5.7	14	46.7	5.0		
Total	284	215	75.7	5.0	68	23.9	3.2	1	0.4

Progression of 2011 Doctoral Cohort after 5 years									
Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	11	2	18.2	4.3	5	45.4	1.3	4	36.4
Engineering	80	46	57.5	4.3	12	15.0	0.8	22	27.5
Health Sciences	47	28	59.6	4.3	7	14.9	0.7	12	25.5
Humanities	24	7	29.2	4.3	4	16.7	1.5	13	54.2
Interdisciplinary	36	17	47.2	4.3	4	11.1	1.3	15	41.7
Science	85	58	68.2	4.0	10	11.8	0.7	17	20.0
Social Sciences	42	12	28.6	4.3	8	19.0	1.5	22	52.4
Total	325	170	52.3	4.3	50	15.4	1.0	105	32.3

Trend of Doctoral Progression (2008 2011 Cohorts after 5 years)								
Results/ Cohorts	2008		2009		2010		2011	
	#	%	#	%	#	%	#	%
Graduated	147	43.5	169	48.6	170	48.9	170	52.3
In Progress	89	26.3	109	31.3	115	33.0	105	32.3
Withdrawn	51	15.1	60	17.2	63	18.1	50	15.4
Total	287	100.0	338	100.0	348	100.0	325	100.0

Trend of Doctoral Progression (2004 2007 Cohorts after 9 years)								
Results/ Cohorts	2004		2005		2006		2007	
	#	%	#	%	#	%	#	%
Graduated	202	71.1	221	77.8	201	76.1	215	75.7
In Progress	4	1.4	2	0.7	1	0.4	1	0.4
Withdrawn	59	20.8	61	21.5	62	23.5	68	23.9
Total	265	100.0	284	100.0	284	100.0	264	100.0

Source: Graduate Studies and Student Records Database

From 2014 to 2018, the number of undergraduate and graduate degrees awarded increased 6.8% overall.

Degrees Awarded¹, 2014-2018

Faculty/Degree		2014			2015			2016				2017				2018			
		F	M	All	F	M	All	U	F	M	All	U	F	M	All	U	F	M	All
Business	Bachelor	194	223	417	231	273	504		197	253	450		239	316	555		243	293	536
	First Professional					1	1												
	Master's	99	143	242	114	192	306		111	147	258		139	150	289		129	151	280
	Doctoral		8	8	5	7	12		3	6	9		3	7	10		3	5	8
	Grad. Cert. & Diploma	23	31	54	27	31	58												
	Total	316	405	721	377	504	881		311	406	717		381	473	854		375	449	824
Engineering	Bachelor	107	665	772	128	748	876		148	742	890		172	807	979		188	766	954
	Master's	64	147	211	67	171	238		53	158	211		52	160	212		68	173	241
	Doctoral	14	33	47	9	46	55		9	55	64		15	56	71		20	48	68
	Grad. Cert. & Diploma									1	1								
	Total	185	845	1030	204	965	1169		210	956	1166		239	1023	1262		276	988	1264
Health Sciences	Bachelor	571	131	702	581	138	719		638	157	795		685	181	866	2	679	160	841
	First Professional	119	83	202	120	83	203		110	94	204		115	82	197		104	103	207
	Master's	202	57	259	192	71	263		188	77	265		231	80	311		227	85	312
	Doctoral	36	21	57	33	18	51		30	28	58		29	21	50		31	23	54
	Grad. Cert. & Diploma	22	3	25	15	2	17		21	2	23		19	8	27		14	10	24
	Total	950	295	1245	941	312	1253		987	358	1345		1079	372	1451	2	1055	381	1438
Humanities	Bachelor	392	185	577	356	175	531		390	166	556	3	340	167	510	7	353	140	500
	Master's	63	38	101	72	38	110	1	77	27	105		66	29	95	1	71	36	108
	Doctoral	10	7	17	13	7	20		6	7	13		11	8	19		11	9	20
	Grad. Cert. & Diploma				4		4			1	1			2	2			2	2
	Total	465	230	695	445	220	665	1	473	201	675	3	417	206	626	8	435	187	630
Science	Bachelor	769	523	1292	817	525	1342	1	778	505	1284	13	762	464	1239	20	879	481	1380
	Master's	58	59	117	54	63	117		55	65	120		59	56	115		53	60	113
	Doctoral	26	36	62	29	43	72	1	28	35	64	1	34	41	76		20	26	46
	Total	853	618	1471	900	631	1531	2	861	605	1468	14	855	561	1430	20	952	567	1539
Social Sciences	Bachelor	684	342	1026	723	334	1057		652	319	971	6	622	309	937	7	636	262	905
	Master's	60	51	111	63	54	117		70	38	108		74	50	124		68	36	104
	Doctoral	17	6	23	6	11	17		14	9	23		11	11	22		15	12	27
	Grad. Cert. & Diploma												2		2		1		1
	Total	761	399	1160	792	399	1191		736	366	1102	6	709	370	1085	7	720	310	1037
Arts & Science	Bachelor	58	18	76	42	21	63		41	14	55	1	41	20	62	1	45	16	62
	Total	58	18	76	42	21	63		41	14	55	1	41	20	62	1	45	16	62
Inter-disciplinary	Master's	87	51	138	94	61	155		41	14	55	1	137	58	196		144	57	201
	Doctoral	11	12	23	16	11	27		41	14	55		14	8	22		15	11	26
	Total	98	63	161	110	72	182		41	14	55	1	151	66	218	1	159	68	227
Total		3686	2873	6559	3811	3124	6935	3	3754	2962	6719	25	3872	3091	6988	38	4017	2966	7021
Divinity College	UG. Cert. & Diploma	1		1		1	1		1	1	2						1	2	3
	First Professional				1	4	5			4	4			9	9			1	1
	Master's	15	20	35	4	11	15		9	18	27		6	19	25		7	15	22
	Doctoral	1	5	6	2	7	9		4	4	8			12	12		1	1	2
	Total	17	25	42	7	23	30		14	27	41		6	40	46		9	19	28
Grand Total		3703	2898	6601	3818	3147	6965	3	3768	2989	6760	25	3878	3131	7034	38	4026	2985	7049

Note 1: Refers to total degrees conferred at annual June and November convocations.

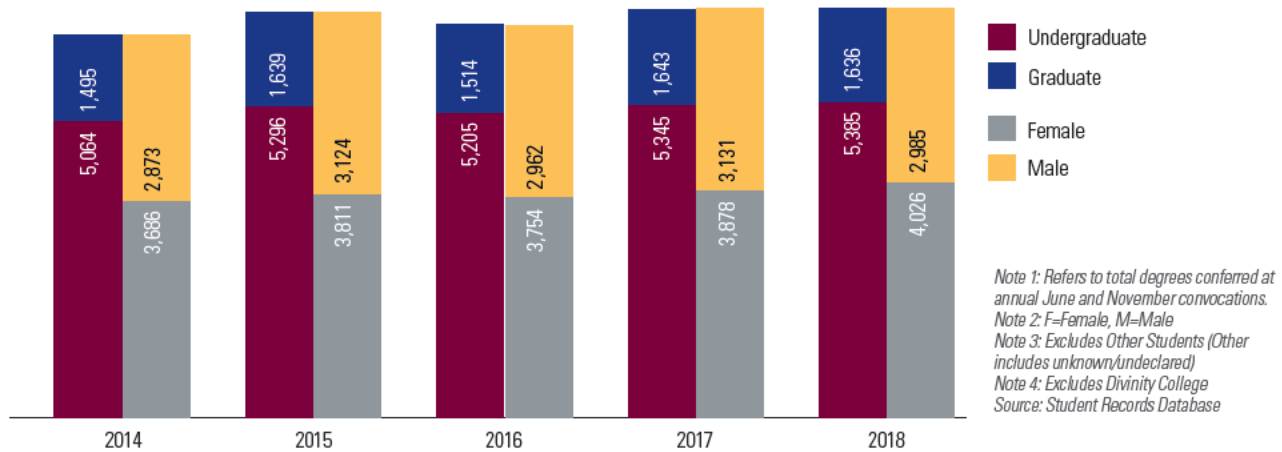
Note 2: F=Female, M=Male, U=Unknown/Undeclared

Note 3: Excludes Divinity College.

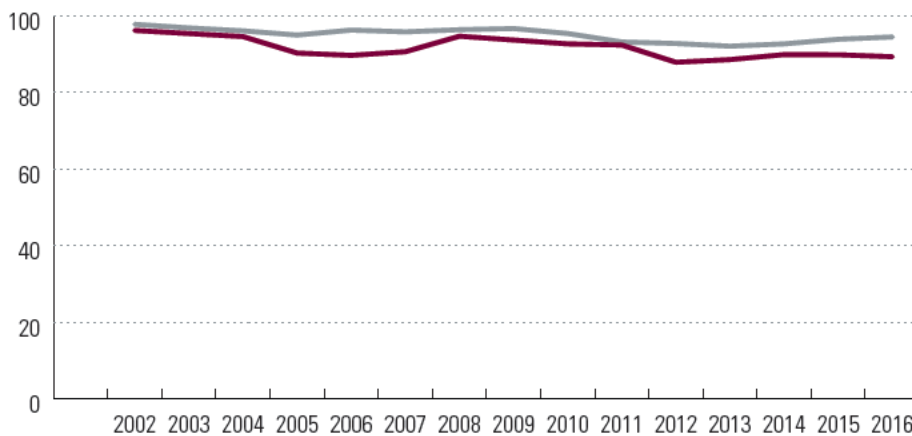
Source: Student Records Database

Approximately 57.1% of degrees were awarded to females in 2018.
This has remained relatively constant since 2012, ranging from 55% to 57%.

Degrees Awarded by Level and Gender, 2014-2018



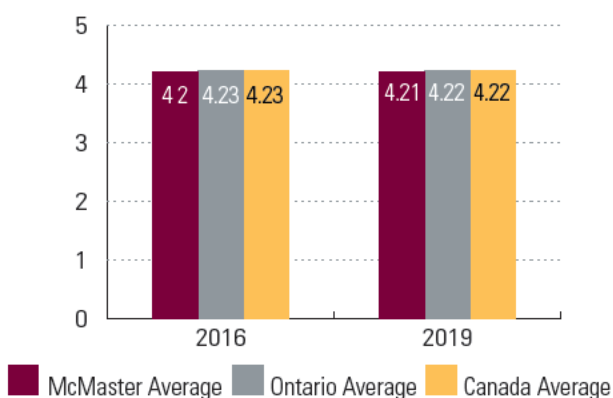
Employment Rates – 6 Months and 2 Years after Graduation



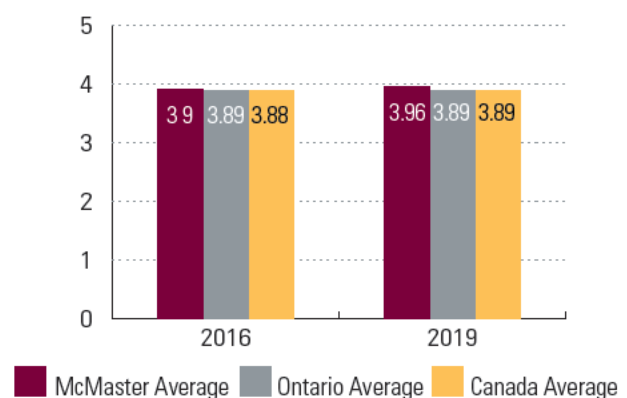
Between 2014 and 2018, the number of degrees awarded (excluding Divinity) has increased 7.1%. Total headcount enrolment (excluding Divinity) has increased 10.1% during the same time period.

Source: Ontario University Graduate Survey, 2001-2016

CGPSS – Would you select same field of study?



CGPSS - Would you choose the same university?



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

The number of students receiving McMaster's Honour Awards (entrance awards) increased by 21.4% between 2013-2014 and 2018-2019.

Financial Aid

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

Honour Awards by Faculty, 2013-2014 to 2018-2019¹

Faculty/ Program	2013-2014		2014-2015		2015-2016		2016-2017		2017-2018		2018-2019	
	#	%	#	%	#	%	#	%	#	%	#	%
Arts & Science	65	1.5	65	1.5	67	1.5	75	1.4	61	1.2	69	1.3
Business	664	15.3	631	14.4	665	15.2	954	18.2	850	17.3	842	16.0
Engineering	954	22.0	949	21.6	902	20.7	1,157	22.1	938	19.1	1,206	22.9
Health Sciences	202	4.7	191	4.3	197	4.5	258	4.9	240	4.9	245	4.6
Nursing	151	3.5	142	3.2	118	2.7	121	2.3	110	2.2	110	2.1
Midwifery	2	0.0	3	0.1	1	0.0	4	0.1	1	0.1	6	0.1
Humanities	378	8.7	292	6.6	329	7.5	328	6.3	317	6.5	289	5.5
Music	17	0.4	14	0.3	18	0.4	23	0.4	19	0.4	21	0.4
Science	949	21.9	1,105	25.2	1,070	24.5	1,197	22.8	1,265	25.7	1,538	29.2
Kinesiology	202	4.7	224	5.1	222	5.1	240	4.6	180	3.7		
Medical Radiation Science	124	2.9	123	2.8	112	2.6	122	2.3	97	2.0		
Mathematics & Statistics	72	1.7	101	2.3	104	2.4	180	3.4	176	3.6	224	4.2
Social Sciences	562	12.9	552	12.6	556	12.7	581	11.1	661	13.5	723	13.7
Total	4,342	100.0	4,392	100.0	4,361	100.0	5,240	100.0	4,915	100.0	5,273	100.0

2018-2019 In Course Awards by Faculty, as of August 30, 2019³

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	1,100	3	35,225	28			36,400	32
Business	500	1	31,275	23	25,050	20	60,250	53			117,075	97
Engineering	50,000	2	98,183	24	173,140	54	108,668	91	61,425	49	491,416	220
Health Sciences	1,200	2	29,800	25	58,013	37	46,100	51	3,900	4	139,013	119
Humanities			15,900	21	58,000	52	77,850	81			151,750	154
Nursing			21,900	8	36,750	21	45,350	40			104,000	69
Science	22,550	6	78,025	51	128,225	79	126,690	127	44,875	28	400,365	291
Social Sciences			3,200	6	23,300	16	89,120	79	1,075	2	116,695	103
Total	73,300	9	328,198	135	508,850	345	616,823	460	92,475	57	1,556,714	1,085

Ontario Student Assistance Program Information (OSAP), 2018-2019⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	86,222,419	87,662,693	173,885,112
Graduate	10,585,286	10,193,210	20,778,496
Total	96,807,705	97,855,903	194,663,608

In 2018-2019, McMaster's students received about \$6.2 million in bursaries, of which \$3.0 million was funded through Trust Funds and \$3.1 million through operating funds.

Bursary Program Information, 2018-2019⁵

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	23,535	2,744,218.36	2,558,989.74	5,326,743.1
Graduate	850	287,819.35	564,960.2	853,629.55
Total	24,385	3,032,037.71	3,123,949.94	6,180,372.65

Work Program Information, 2017-2018⁶

Work Program	Fall/Winter		Summer		Total	
	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)
Total	1,519,010.15	621,640.17	3,208,682.44	1,056,164.92	4,727,692.59	1,677,805.1

Note 1: Honour Awards by Faculty are by direct-entry program.

Note 2: Includes Engineering "other" levels.

Note 3: Does not include entrance academic grants and exchange grants; includes non-monetary awards.

Note 4: The 2018-2019 OSAP data reflects program starts between August 1, 2018 and July 31, 2019 and thus encompasses the 2018-2019 Fall/Winter and 2019 Spring/Summer sessions.

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

Note 6: The 2017 record reflect the summer 2017 work program and the fall/winter 2017-2018 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 2013-2014, the largest increase in average support for PhD students was seen in the category “Other Employment-Based Income Support” (404.0%, from \$178 to \$897). The largest increase in dollars was in Internal Fellowships/Scholarships (\$922).

Graduate Student Financial Support – Average by Category						
Qualification/Category/Average Support		2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
Master	Internal Fellowships/Scholarships	\$3,364	\$4,632	\$3,913	\$3,962	\$2,821
	Federal Fellowships/Scholarships	\$839	\$807	\$744	\$741	\$538
	Provincial Fellowships/Scholarships	\$671	\$1,055	\$799	\$613	\$441
	Other Bursaries/Awards/Scholarships/ Fellowships	\$817	\$804	\$997	\$729	\$691
	Teaching Assistantships	\$5,513	\$5,328	\$5,060	\$5,029	\$3,024
	Research Assistantships	\$4,719	\$5,643	\$4,422	\$4,706	\$3,578
	Other Employment-Based Income Support	\$15	\$48	\$206	\$368	\$202
PhD	Internal Fellowships/Scholarships	\$4,845	\$5,982	\$6,128	\$5,653	\$6,575
	Federal Fellowships/Scholarships	\$2,350	\$2,962	\$4,107	\$4,343	\$3,787
	Provincial Fellowships/Scholarships	\$1,754	\$1,630	\$1,557	\$1,777	\$1,739
	Other Bursaries/Awards/Scholarships/ Fellowships	\$4,453	\$6,305	\$1,530	\$1,586	\$1,515
	Teaching Assistantships	\$7,175	\$7,097	\$6,431	\$6,505	\$6,482
	Research Assistantships	\$6,960	\$5,200	\$7,490	\$7,098	\$7,845
	Other Employment-Based Income Support	\$178	\$196	\$504	\$572	\$897

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

Since 2013-2014, the largest increase in average support for Masters students was seen in the category “Other Employment-Based Income Support” (1,247%, from \$15 to \$202).

Between 2017-2018 and 2018-2019, full-time undergraduate program tuition for domestic entering students increased by approximately 3.0% on average, while the tuition for international/visa entering students saw an increase of 8.0% 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, 2014-2015 to 2018-2019										
Level 1 Program	2014-2015		2015-2016		2016-2017		2017-2018		2018-2019	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	5,966	22,471	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977
Business	8,552	26,966	8,980	28,584	9,428	30,299	9,900	32,723	10,394	35,341
Engineering	10,148	30,898	11,947	36,722	12,544	38,925	13,171	42,039	13,829	45,402
Health Sciences	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449
Humanities	5,966	21,348	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977
Kinesiology	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449
Medical Radiation Science	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449
Medicine	25,545	95,000	26,056	95,000	26,577	95,000	27,241	95,000	27,922	95,000
Midwifery	8,156		8,400		8,652		8,912		9,179	
Nursing	5,966	24,719	6,145	26,201	6,329	27,773	6,519	29,995	6,714	32,395
Science	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268	6,714	29,449
Social Sciences	5,966	21,348	6,145	22,628	6,329	23,986	6,519	25,905	6,714	27,977

Tuition Fees for Graduate Entering Cohort, 2014-2015 to 2018-2019

Year 1 Master's/ Doctoral Program	2014-2015		2015-2016		2016-2017		2017-2018		2018-2019	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Research Based Full-time	7,008	16,761	7,008	16,761	7,008	16,761	7,008	17,096	7,008	17,096
Research Based Part-time	3,504	8,601	3,504	8,601	3,504	8,601	3,504	8,773	3,504	8,773
Course Based Full-time	7,722	17,766	8,108	18,832	8,513	19,962	8,939	21,559	9,386	21,559
Course Based Part-time	3,861	9,117	4,054	9,664	4,257	10,244	4,470	11,063	4,693	11,063
MBA ¹ Full-time	16,784	32,104	17,623	34,030	18,504	36,072	19,429	38,957	20,012	38,957
MBA Part-time (per course)	2,098	4,013	2,203	4,254	2,313	4,509	2,429	4,870	2,550	4,870
UNENE ² (per half-course)	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Master of Communications (per half-course)	3,647	4,013	3,793	4,254	3,945	4,509	4,142	4,870	4,349	4,870
MEEI ³ Full-time	20,022	30,636	20,022	30,636	20,022	30,636	20,022	33,087	10,800	33,087
MEEI Part-time	10,008	15,312	10,008	15,312	10,008	15,312	10,008	16,537	6,000	16,537
MEPP ⁴ Full-time	17,418	20,601	17,418	22,661	18,289	24,927	18,289	26,921	10,800	26,921
MEPP Part-time	8,937	10,569	8,937	11,626	9,384	12,788	9,384	13,812	6,000	13,812
M Eng Design ⁵ Full-time	17,418	20,601	17,418	22,661	18,289	24,927	18,289	26,921	10,800	26,921
M Eng Design Part-time	8,937	10,569	8,937	11,626	9,384	12,788	9,384	13,812	6,000	13,812
Occupational Therapy	9,496	33,451	9,971	35,458	10,469	37,585	10,993	40,592	11,542	40,592
Physiotherapy	9,496	33,451	9,971	35,458	10,469	37,585	10,993	40,592	11,542	40,592

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: Beginning in 2013-2014, tuition for grad students was differentiated between research-based and course-based programs.

Note 7: 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





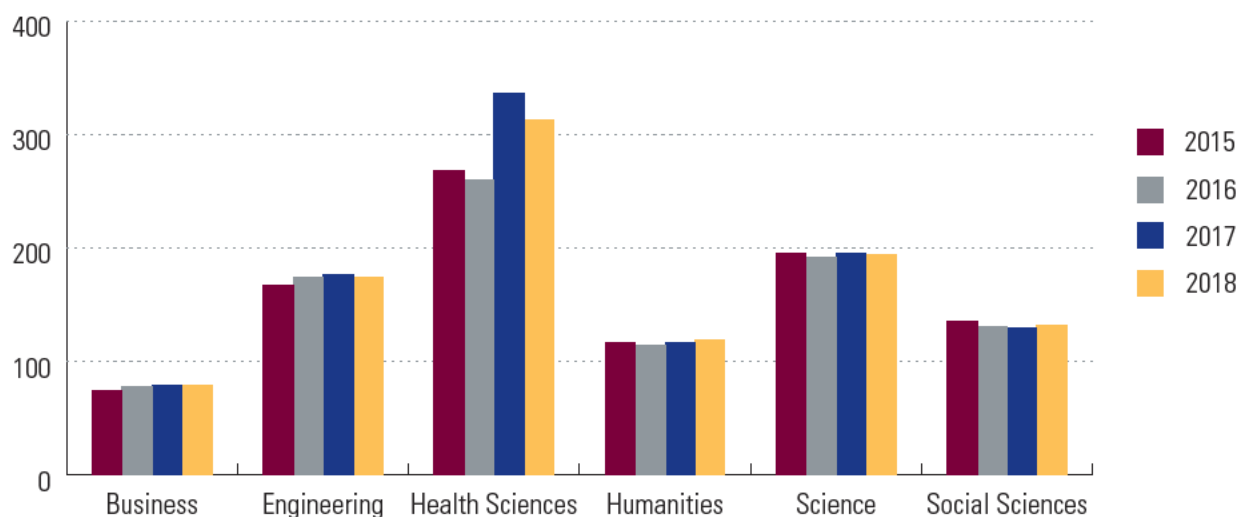
As of Fall 2018, there were 1,011 full-time instructional faculty (excluding clinical educators). 38.5% of full-time faculty were Females (Fall 2018).

Faculty

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

As of October 1, 2018, McMaster has 1,011 full-time faculty members, of which 38.5% were female. 94.6% of the full-time faculty hold doctoral degrees and 71.4% of faculty members were tenured and Continuing Appointment Without Review (CAWAR).

Full-Time Faculty Count by Faculty, 2015-2018⁴



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 1 of each year.

Note 4: Excludes clinician educators and includes research educators.

Source: Human Resources

Full Time Faculty Count by Faculty and Department, 2015-2018

Faculty/Department ¹		2015			2016			2017			2018		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Business	Accounting and Financial Management Services	6	3	9	6	3	9	8	2	10	6	3	9
	Finance and Business Economics	15	2	17	15	2	17	14	3	17	16	4	20
	Health Policy and Management	2	3	5	3	3	6	3	3	6	4	3	7
	Human Resources and Management	8	7	15	8	6	14	8	6	14	8	5	13
	Information Systems	6	2	8	6	3	9	5	3	8	4	3	7
	Marketing	8	0	8	8	1	9	8	1	9	8	0	8
	Operations Management	5	1	6	6	1	7	7	0	7	7	0	7
	Strategic Management	3	3	6	4	3	7	5	3	8	5	3	8
	Total	53	21	74	56	22	78	58	21	79	58	21	79
Engineering	Bachelor of Technology	19	1	20	20	2	22	19	2	21	19	1	20
	Chemical Engineering	15	3	18	14	4	18	16	4	20	15	4	19
	Civil Engineering	15	4	19	14	4	18	14	4	18	15	5	20
	Computing and Software	21	2	23	21	3	24	21	3	24	20	3	23
	Electrical and Computer Engineering	26	3	29	27	4	31	27	4	31	27	4	31
	Engineering Physics	15	2	17	15	2	17	16	2	18	16	2	18
	Material Science and Engineering	11	2	13	13	2	15	12	2	14	13	2	15
	Mechanical Engineering	23	2	25	23	2	25	23	4	27	20	4	24
	Engineering Practice	3		3	3	1	4	3	1	4	3	1	4
	Total	148	19	167	150	24	174	151	26	177	148	26	174
Health Sciences ⁴	Anesthesia	1		1	1		1	1	0	1	2	1	3
	Biochemistry and Biomedical Sciences	18	8	26	19	8	27	20	8	28	20	9	29
	Health Research Methods, Evidence and Impact	24	15	39	23	14	37	25	16	39	25	16	41
	Family Medicine	3	2	5	2	2	4	3	6	9	3	8	11
	Medicine	39	14	53	42	13	55	49	15	64	53	24	77
	Obstetrics and Gynecology	2	4	6	2	4	6	2	6	8	3	7	10
	Oncology	3	2	5	3	2	5	3	2	5	2	2	4
	Pathology and Molecular Medicine	20	7	27	19	7	26	19	8	27	18	8	26
	Pediatrics	6	4	10	5	4	9	5	9	14	6	9	15
	Psychiatry	10	9	19	7	10	17	6	10	16	6	11	17
	School of Nursing	4	40	44	4	37	41	4	36	40	4	35	39
	School of Rehabilitation Science	3	23	26	3	23	26	2	29	31	2	24	26
	Surgery	4	3	7	4	2	6	6	2	8	11	4	15
	Total	137	131	268	134	126	260	144	147	291	155	158	313

Full-Time faculty consisted of 413 (40.0%) full professors, 317 (30.7%) associate professors, 287 (27.8%) assistant professors and 16 (1.5%) lecturers.

Full Time Faculty Count by Faculty and Department, 2015-2018 (Continued)

Faculty/Department ¹		2015			2016			2017			2018		
		Male	Female	Total	Male	Female	Total	Male	Female	Total	Male	Female	Total
Humanities	Classics	5	2	7	4	2	6	4	2	6	4	3	7
	Communication Studies and Multimedia	8	7	15	9	8	17	9	8	17	9	8	17
	English and Cultural Studies	8	15	23	8	14	22	8	14	22	8	14	22
	French	4	3	7	4	3	7	4	3	7	4	4	8
	History	12	8	20	12	8	20	11	9	20	12	9	21
	Linguistics and Languages	3	10	13	4	8	12	4	8	12		1	1
	Peace Studies			0			0			0	4	8	12
	Philosophy	7	7	14	7	7	14	8	8	16	7	8	15
	School of the Arts	8	9	17	7	9	16	8	8	16	8	8	16
	Total	55	61	116	55	59	114	56	60	116	56	63	119
Science	Biology	20	12	32	20	13	33	20	13	33	20	12	32
	Chemistry	22	3	25	21	4	25	22	4	26	22	4	26
	Geography and Earth Sciences	20	5	25	18	4	22	19	3	22	18	4	22
	Integrated Science Program	1	1	2	2	2	4	2	5	7	2	7	9
	Kinesiology ²	10	7	17	9	6	15	10	6	16	10	6	16
	Mathematics and Statistics	29	5	34	30	6	36	29	7	36	29	6	35
	Medical Physics and Applied Radiation Sciences	6	2	8			0			0			0
	Physics and Astronomy	19	5	24	21	6	27	20	6	26	20	5	25
	Psychology, Neuroscience and Behaviour	17	11	28	18	12	30	17	12	29	18	11	29
	Total	144	51	195	139	53	192	139	56	195	139	55	194
Social Sciences	Anthropology	7	7	14	7	7	14	7	7	14	7	8	15
	Economics	22	7	29	20	9	29	19	10	29	19	8	27
	Health, Aging, and Society	3	7	10	4	7	11	5	7	12	5	10	15
	Indigenous Studies ²		1	1		1	1		1	1		1	1
	Labour Studies	4	4	8	3	4	7	3	4	7	3	5	8
	Political Science	14	8	22	13	7	20	13	7	20	13	7	20
	Religious Studies	10	5	15	11	4	15	9	5	14	9	5	14
	School of Social Work	4	12	16	3	11	14	2	11	13	2	11	13
	Sociology	9	11	20	8	12	20	8	12	20	8	11	19
	Total	73	62	135	69	62	131	66	64	130	66	66	132
Grand Total		610	345	955	603	346	949	614	374	988	622	389	1,011

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 1 of each year.

Note 4: Excludes clinician educators and includes research 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, 2018-2019

Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	34	86	36	132	35	112	434
	Average Age	61.4	56.3	60.1	56.8	58.3	59.4	58.3
	Average Years in University	23.3	19.8	25.1	22.0	20.1	21.9	20.1
	% Tenured/Tenure-Track	97.1	100.0	100.0	100.0	100.0	100.0	99.1
Associate Professor	No. in Rank	25	39	58	45	54	84	305
	Average Age	55.5	48.9	53.3	50.0	52.0	50.4	51.4
	Average Years in University	16.5	13.1	15.4	15.1	14.1	13.3	14.3
	% Tenured/Tenure-Track	76.0	87.2	96.6	77.8	92.6	88.9	89.8
Assistant Professor	No. in Rank	15	45	25	17	40	117	259
	Average Age	41.9	41.9	40.8	40.6	44.2	42.8	42.5
	Average Years in University	8.7	6.9	6.3	7.4	7.4	7.2	7.2
	% Tenured/Tenure-Track	40.0	51.1	28.0	17.6	45.0	60.0	49.0
Lecturer	No. in Rank	5	4			3		12
	Average Age							41.2
	Average Years in University							7.1
	% Tenured/Tenure-Track							8.3
Total Faculty	No. in Rank	79	174	119	194	132	313	1,011
	Average Age	54.4	50.7	52.7	53.8	51.0	50.8	51.8
	Average Years in University	17.3	14.7	16.5	19.1	13.4	14.1	15.6
	% Tenured/Tenure-Track	73.4	81.6	82.4	87.1	78.8	83.7	82.4

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 of each year.

Note 4: Excludes clinician educators and includes research educators.

Source: Human Resources

91.3% of full-time faculty are categorized as tenured or tenure-track appointments. (includes Tenured, Tenure-Track, Permanent Teaching, Teaching-Track, CAWAR and Special appointments)

Full-Time Faculty Appointment Status, 2018-2019 (n=1,011)



● Tenured: 57.8%

● Permanent Teaching/Teaching Track: 8.9%

● CAWAR: 8.2%

● Tenure-Track: 9.2%

● Contractually Limited: 8.7%

● Special Term: 7.2%

Note 1: Departments for faculty members are based on their home departments. The report does not capture joint appointments.

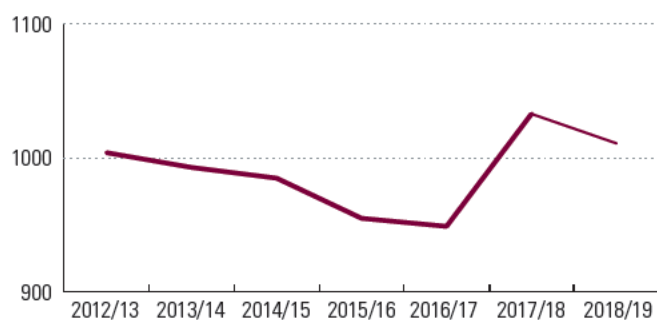
Note 2: Count excludes clinician educators.

Note 3: As of October 1 of each year.

Source: Human Resources

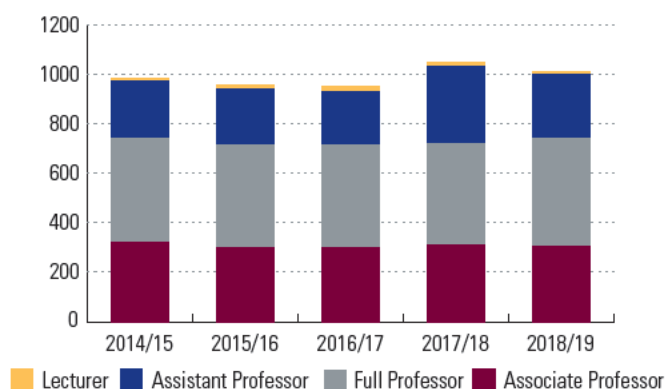
94.8% of full-time faculty members have a PhD or MD.

Full-Time Faculty Count , 2012/13 to 2018/19



Note 1: Excludes clinician educators.
 Note 2: As of October 1, 2018.
 Note 3: Includes Research Educators
 Source: Human Resources

Full-Time Faculty Count by Rank , 2015/15 to 2018/19

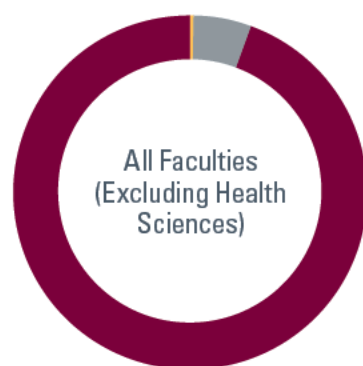


Note 1: Excludes clinician educators.
 Note 2: As of October 1, 2018.
 Note 3: Includes Research Educators
 Source: HR Database

Highest Degree of Full-Time Faculty Members, 2018-2019

Faculty	% PhD/MD	% Master's	% Other
Business	86.0	12.7	1.3
Engineering	94.8	5.2	0.0
Humanities	92.4	7.6	0.0
Science	99.5	0.5	0.0
Social Sciences	93.2	6.1	0.7
Sub-total	94.3	5.4	0.3
Health Sciences	95.2	4.8	0.0
University Total	94.8	5.0	0.2

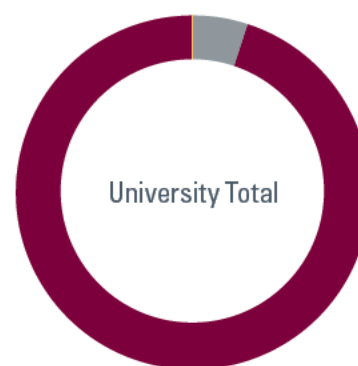
Highest Degree of Full-Time Faculty Members (n=988)



Other: 0.3%
 Master's: 5.4%
 PhD/MD: 94.3%



Other: 4.8%
 PhD/MD: 95.2%



Other: 0.2%
 Master's: 5.0%
 PhD/MD: 94.8%

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, 2018.
 Source: Human Resources

McMaster's full-time faculty members represented 55 countries (not including Canada).

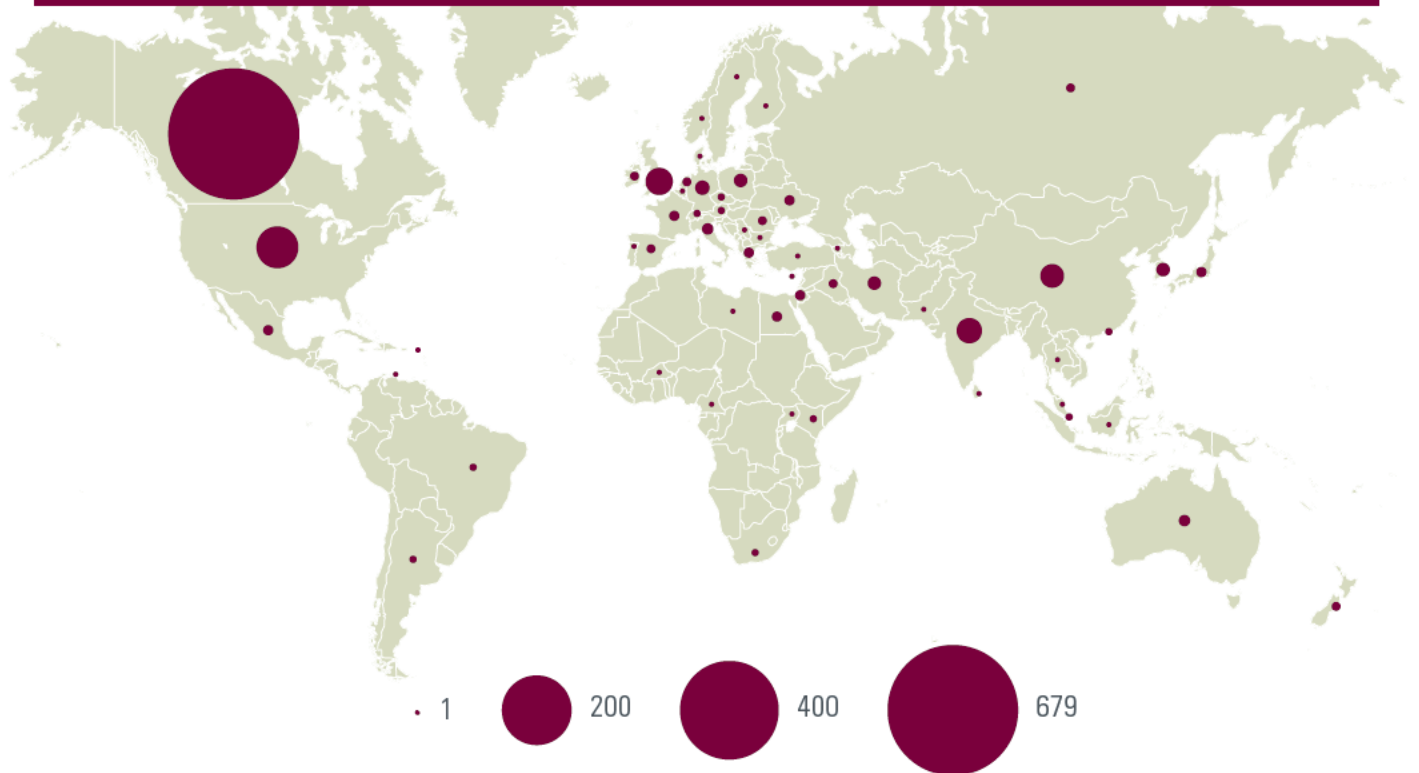
Country of Highest Degree Earned of Full-Time Faculty Members, 2018-2019						
Faculty	Canada	U.S.A.	United Kingdom	Australia	Japan	All Other Countries
Business	44	27	1	1		6
Engineering	90	41	12	2	6	23
Humanities	70	33	10	1		5
Science	106	56	15	1	2	14
Social Sciences	74	36	14			8
Sub-total	384	193	52	5	8	56
Health Sciences	228	24	16	4		41
University Total	612	217	68	9	8	97

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, 2018.

Source: Human Resources

Full-Time Faculty Member by Citizenship, 2018-2019



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 30 countries. Most (88.7%) were earned in Canada, the United States and the United Kingdom.

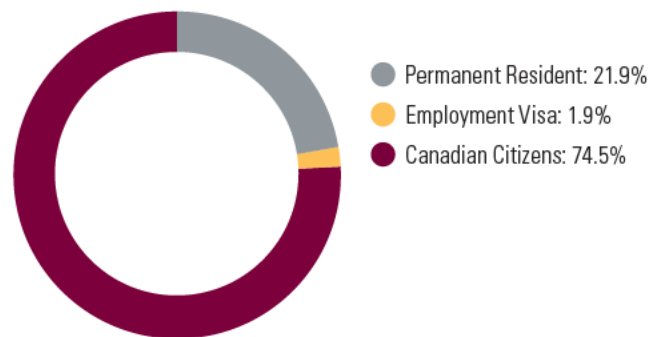
Countries with Highest Representation, 2018-2019

As a percent of all full-time faculty members

Canada	73.9%
United States	6.2%
United Kingdom	2.7%
India	2.3%
China	1.7%
All Other Countries	13.2%

Note 1: As of October 1, 2018.
 Note 2: Excludes clinical educators.
 Note 3: Includes research educators.
 Source: Human Resources

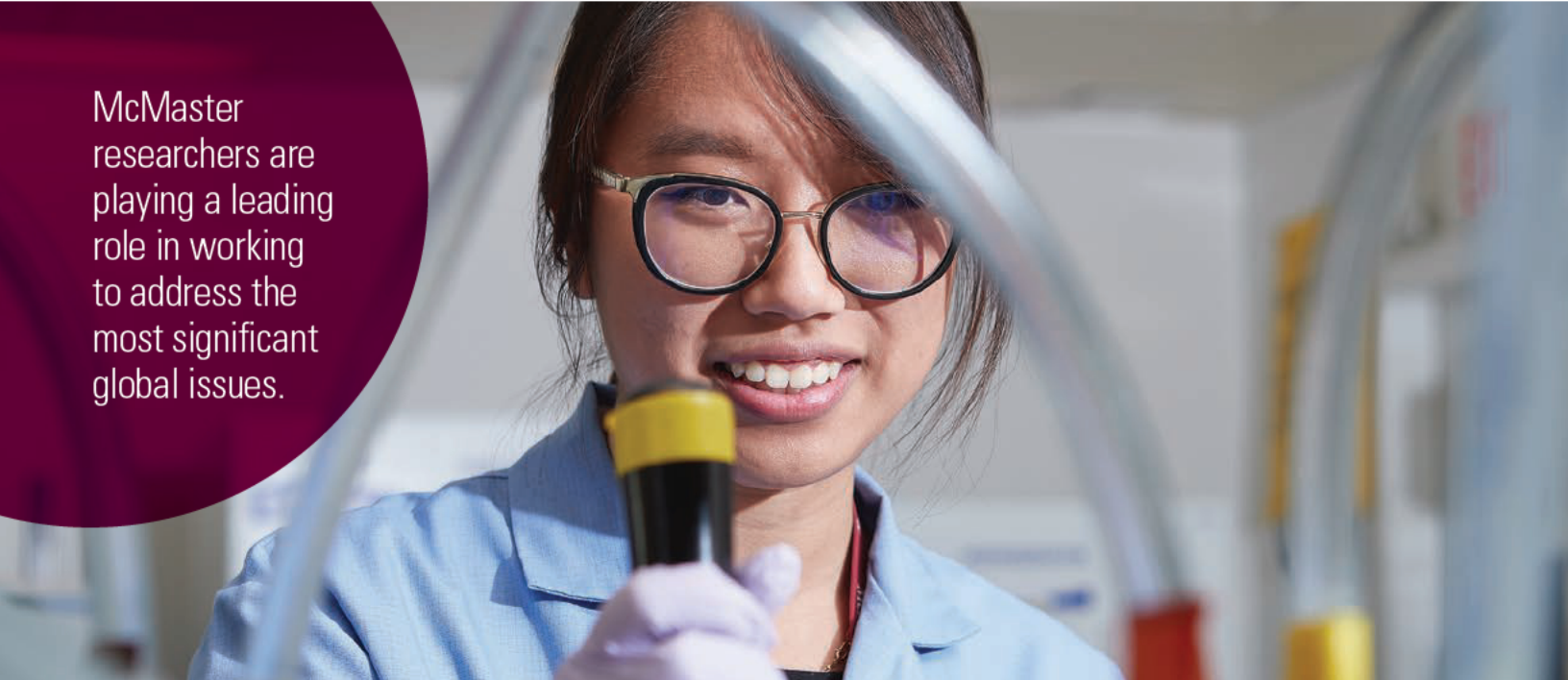
Full-Time Faculty by Immigration Status, 2018-2019¹



Note 1: As of October 1, 2018.
 Note 2: Excludes clinical educators.
 Note 3: Includes research educators.
 Source: Human Resources



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



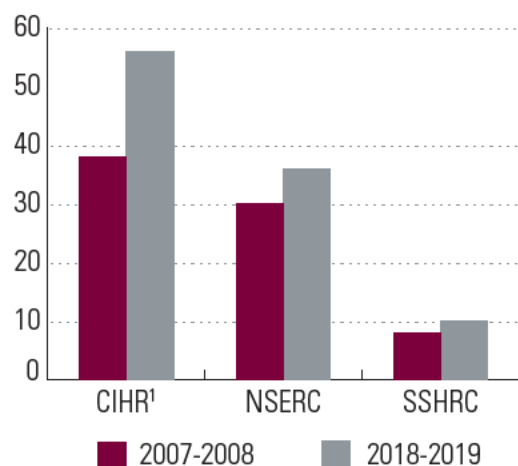
Research Grants

McMaster's estimated total research income for 2018/19 is \$371.6 million, including affiliated hospitals. (Note: final 2018/19 amounts were not available at the time of printing.)

McMaster ranks first in Canada in research intensity averaging \$434,700 per faculty member – more than double the national average – and seventh overall in total research income, bringing in some \$380 million. (Research Infosource 2018).

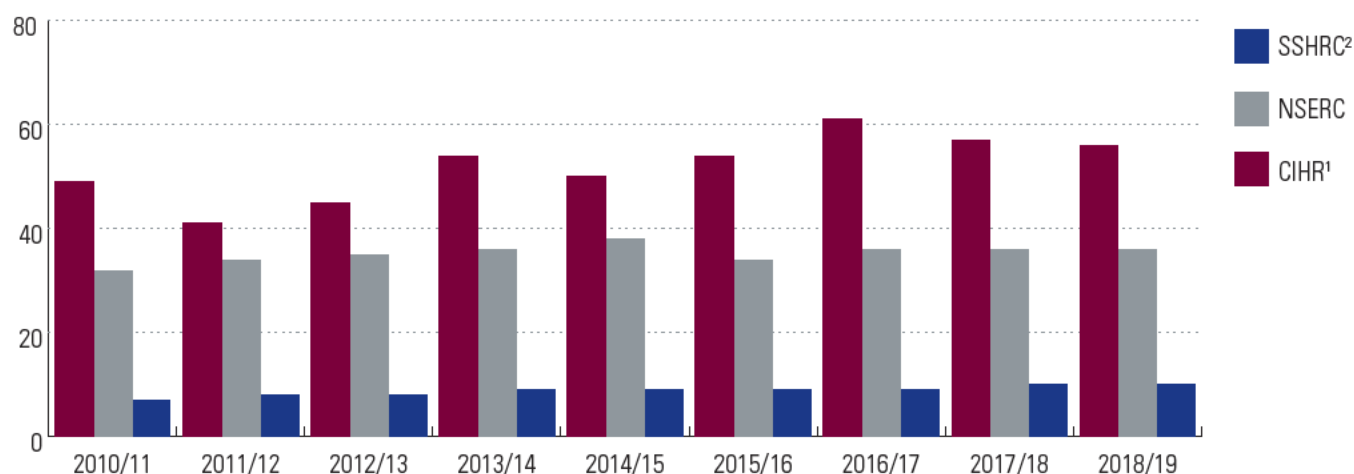
For more information, please visit: www.mcmaster.ca/research/

Tri-Agency Funding (\$),
2007-2008 vs 2018-2019 – \$ millions



- Approximately \$101.9 million was received from the Tri-Agencies, including \$55.5 million from Canadian Institutes of Health Research (CIHR), \$36.0 million from Natural Sciences & Engineering Research Council (NSERC), and \$10.4 million from Social Sciences & Humanities Research Council (SSHRC).
- \$2.5 million from the Canada 150 Research Chairs program for the Canada 150 Research Chair in Biological Dystopias. The Chair studies how the collective traits of different animal societies – including those of ants, wasps and spiders – affect their survival.
- \$5.0 million from CIHR for an Institute Support Grant and an additional \$2.9 million from CIHR in Operating Grant funding for the Institute of Infection and Immunity, to support research in the areas of infectious disease and the body's immune system.
- \$10.5 million in renewed federal funding for the Centre for Probe Development and Commercialization (CPDC), a National Centre of Excellence for Commercialization and Research (CECR). The CPDC aims to convert research on medical isotopes into new diagnostic tests and cancer treatments.
- \$1.4 million from CIHR and SSHRC's Healthy and Productive Work - Partnership Grants Program to mobilize a caregiver-friendly workplace standard.

Tri-Agency Funding (\$), 2010-2011 to 2018-2019 – \$ millions



Tri-Agency Funding (\$)³

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018	2018-2019
CIHR¹	49,496,341	40,615,338	44,755,061	53,705,150	50,228,864	53,698,255	61,227,947	56,652,845	55,501,016
NSERC	32,357,975	34,482,686	34,986,248	35,555,120	38,444,093	34,160,786	36,129,199	35,858,817	35,952,905
SSHRC²	7,397,814	7,675,563	8,030,162	8,899,474	9,200,804	8,585,180	9,308,485	9,930,424	10,402,070
Total	89,252,130	82,773,587	87,771,471	98,159,744	97,873,761	96,444,221	106,665,631	102,442,086	101,855,991

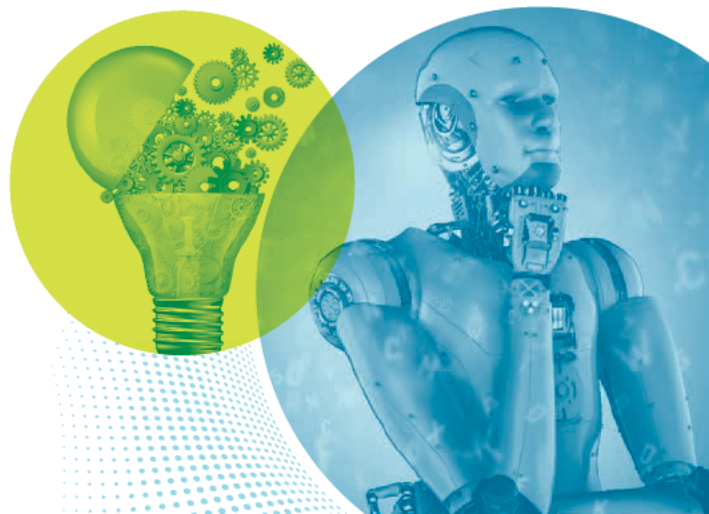
Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre)

Note 2: SSHRC includes Divinity College

Note 3: Data includes CRC and NCE

Source: Tri-Agency websites.

- \$11.7 million in funding from the CIHR Foundation Grants competition in support of four projects to study: therapeutic approaches to improve hematopoietic stem cell regeneration and prevent acute myeloid leukemia relapse; the prevention and improved management of bleeding in persons with cardiovascular disease; key molecules/proteins which control how the body uses energy and develop and test new medicines that specifically impact these proteins to treat type 2 diabetes; and to reduce death and disability from thrombosis by developing safer anticoagulants, manufacturing coatings to prevent clotting on medical devices, and raising awareness about thrombosis.
- \$2.4 million for a C HR Team Grant to identify factors and processes affecting acceptability, adoption, appropriateness, feasibility, fidelity, implementation cost, cost-effectiveness, penetration, and sustainability of Community Health Assessment Program in the Philippines (CHAP-P); and develop tools to further scale-up CHAP-P nationally and in similar low- and middle-income countries.
- \$1.1 million from CIHR and the Heart and Stroke Foundation of Canada (HSF) for the Indigenous Early Career Women's Heart and Brain Health Chair, to generate new knowledge that improves awareness, prevention and understanding of how biology and socio-cultural factors affect women's heart and brain health, focusing on barriers and external factors that can influence Indigenous women's health in Canada.
- \$1.6 million from NSERC's Collaborative Research and Training Experience Program (CREATE) to provide a globally recognized program for Small Modular Reactor (SMR) specific training that meets the evolving needs of the nuclear sector in Canada and provides students with a breadth of experience in the nuclear field, and advanced training on technical and non-technical skills.
- Additional NSERC funding includes \$5.0 million from the Collaborative Research and Development Grant (CRD) Program for a project with FCA Canada and FCA US LLC to develop the next-generation electrified powertrain system for electrified vehicles, as well as \$805 thousand for the NSERC/FCA Industrial Research Chair (IRC) in Electrified Powertrains.



- \$3.4 million from the Public Health Agency of Canada's (PHAC) Preventing Gender-Based Violence – The Health Perspective program for research evaluating positive parenting initiatives, in a drive to help end gender-based violence.
- \$1.5 million from the International Development Research Centre (IDRC) for a project that involves and supports organizations in eleven countries individually and as a network (six African and five non-African) to facilitate the use of evidence from policymakers and stakeholders in order to clarify development problems and causes, frame options to address them, and identify implementation considerations.
- \$2.0 million U.S. (approx \$2.6 M Cdn) in funding from the Bill & Melinda Gates Foundation to identify novel natural product-based small molecule leads for TB and malaria, diseases that disproportionately affect the world's poorest populations.
- \$1.2 million from the Canadian Cancer Society Research Institute's (CCSRI) Impact Grants program to evaluate the role of a shorter radiation schedule to treat women in the lymph node area with node positive breast cancer.
- 2018 CIHR Gold Leaf Prize for Impact (one of four Gold Leaf Prizes awarded nationally) and 2019 NSERC E.W.R. Steacie Memorial Fellowship (one of six awarded nationally).

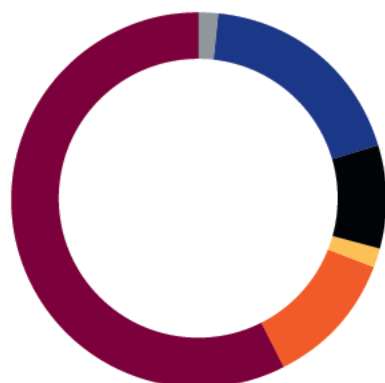
McMaster Sponsored Research Income – \$ millions (Excluding Affiliated Hospitals), 2006-2007 to 2018-2019



Source: 2006/07-2017/18 Canadian Association of University Business Officers (CAUBO); 2018-19 estimate from McMaster University Financial Affairs

McMaster ranks first in Canada in research intensity (average funding income per faculty member) – more than double the national average.

Sponsored Research Income – by Fund - 2017/18: Excluding Affiliated Hospitals (approximately \$218M)



- Other: 1.8%
- Not-for-profit: 18.5%
- Corporate: 9.8%
- Foreign: 1.6%
- Provincial/Municipal: 11.5%
- Federal: 56.9%

Acronyms:

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

Note 1: Breakdown by sector not yet available for 2018/19

Source: Canadian Association of University Business Officers (CAUBO).

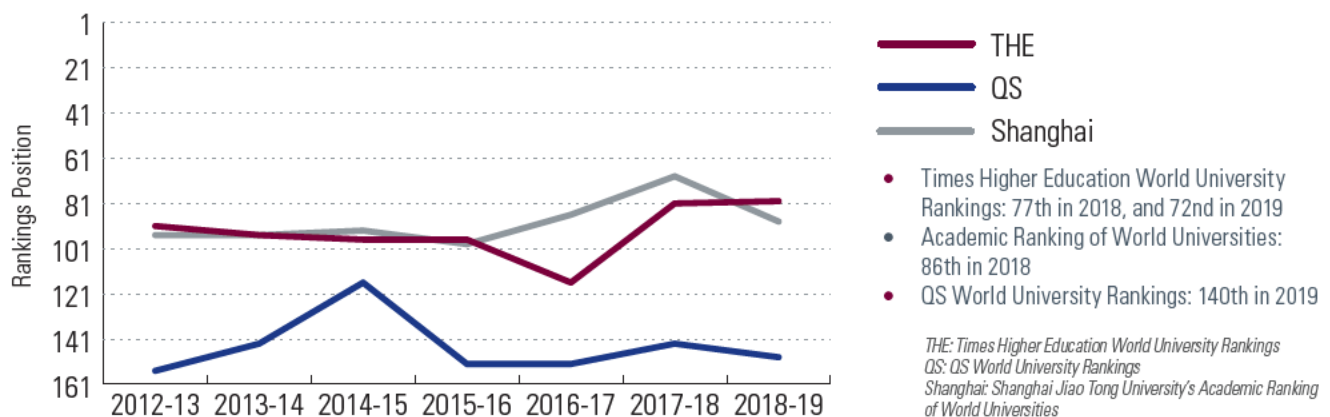
Federal Support includes Tri-Agency awards, as well as funding from the Canada Foundation for Innovation, Federal Government, Networks of Centres of Excellence, and Canada Research Chairs. Tri-Agency funding is awarded from CIHR, NSERC, and SSHRC. Provincial Funding includes support received from provincial government sources, including but not limited to Ontario Centres of Excellence, and Ontario Research Funds such as, ERA, ORF-RE, ORF-RI, etc.



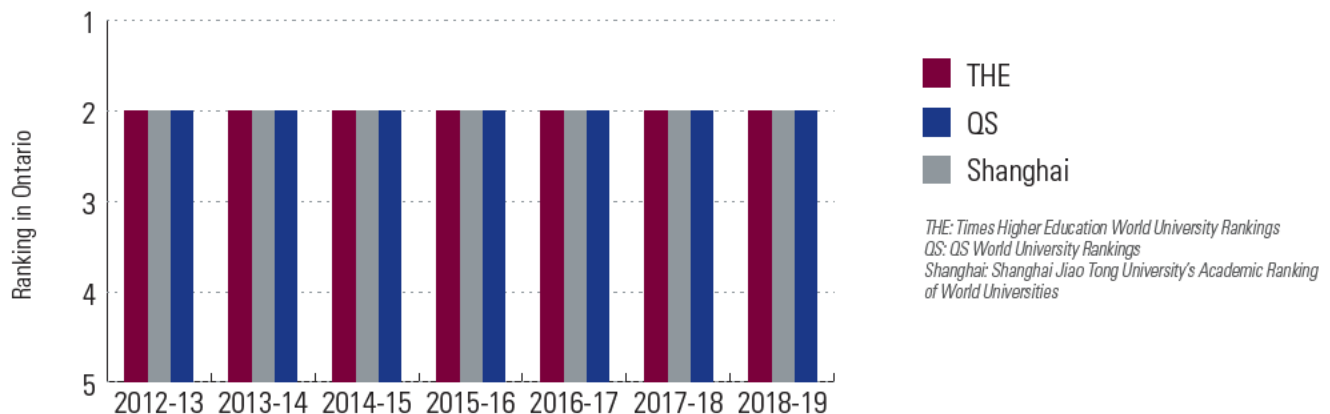
McMaster consistently ranks second in Ontario in the three major rankings. (THE, QS, Shanghai)

Rankings and Reputation

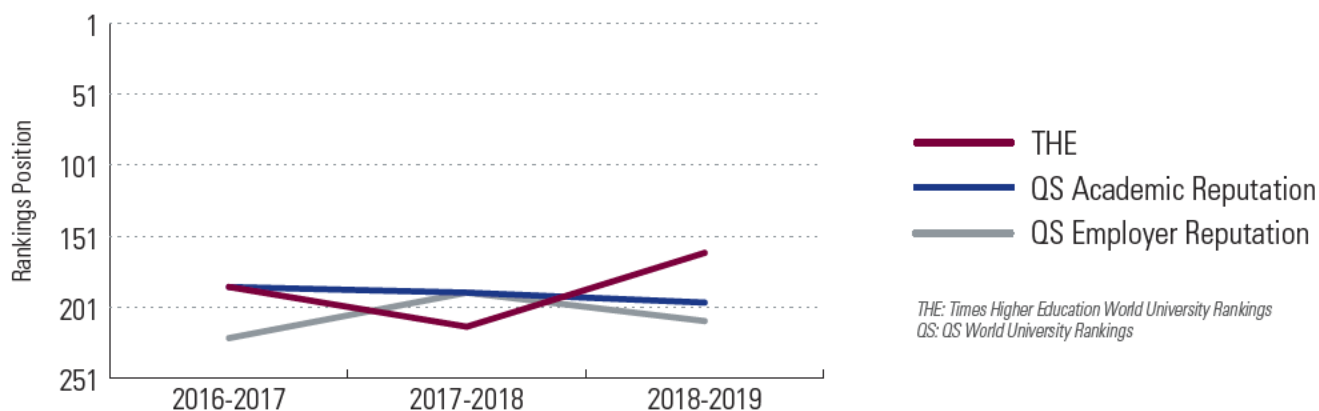
McMaster Rankings



McMaster Rankings in Ontario



McMaster Reputation Rankings



THE Impact Rankings

McMaster ranked 2nd in the world in Times Higher Education's new 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,
5.5 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 million titles in all formats and provides access to thousands of other resources. The Library's digital collections continue to grow, with more than 15,000 items available through MacSphere, McMaster's institutional repository, and newly digitized maps, films, books, and documents added to the Library's Digital Archive. New online resource subscriptions or purchases include Frontier Life: Borderlands, Settlement and Colonial Encounters from Adam Matthew Digital; Globe on Screen from Bloomsbury Digital Resources; and additional e-books from the Synthesis Digital Library of Computer Science and Engineering and SPIE, the International Society for Optics and Photonics.

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

Collections as of April 30th	2014	2015	2016	2017	2018
Books, Other					
Titles (Paper)	1,237,735	1,255,490	1,274,265	1,282,221	1,276,908
Electronic books	564,800	596,621	595,779	611,882	621,966
Electronic audio, scores, video, etc.	11,003	12,691	14,182	19,631	20,806
Audio Materials	46,191	45,647	45,684	45,984	45,963
Film and Video	3,811	4,147	4,071	4,252	3,347
Cartographic Material	138,319	138,444	138,512	138,668	138,675
Printed Music Scores	31,120	31,221	31,468	31,639	31,415
Manuscripts & Archives (linear metre)	4,498	4,528	4,548	4,570	4,855
Serial Subscriptions					
Print/Microform Serials	1,791	1,188	1,596	1,596	1,456
Electronic Serials	92,742	93,604	96,558	88,664	96,512

- 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 additions to the archives of author and storyteller Stuart McLean, conductor Boris Brott, poet Christopher Levenson, mystery writer J. Robert Janes, and more than 1800 books published in the 16th-21st centuries.

The total information resources expenditure was \$12.7M, of which 77% was allocated to serial and e-resource subscriptions, 10% to books, and 14% to membership and collection support.

Information Resource Expenditure (\$) as of April 30th	2014	2015	2016	2017	2018
Books					
Print Monographs	572,436	658,126	775,084	359,461	616,917
Electronic Monographs	198,775	398,395	314,725	418,843	616,448
Total Expense	771,211	1,056,521	1,089,809	778,304	1,233,365
Serial Subscriptions					
Print Serials	609,670	651,583	619,998	586,354	526,452
Electronic Serials	6,818,806	7,770,640	8,727,984	9,489,110	9,239,074
Total Expense	7,428,476	8,422,223	9,347,982	10,075,464	9,765,526
Other					
Total Expense	1,179,265	937,747	1,114,042	1,480,444	1,743,011
Grand Expense	9,378,952	10,416,491	11,551,833	12,334,212	12,741,902

Summary of Library Personnel as of April 30th	2014	2015	2016	2017	2018
Professional					
Professional Staff	23	23	29	33	31
Other Professionals	25	27	23	26	27
Total	48	50	52	59	58
FTE					
Support Staff FTE	69	63	64	59	56
Casual Staff FTE	16	17	19	16	16
Total	85	80	83	75	72
Grand Total	133	130	135	134	130

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 8,000 students participated in a library instruction session; more than 19,000 research help questions were answered; more than 3.1 million articles were downloaded from the Library's electronic journal collection.



The Museum added 365 pieces of art to its permanent collection in 2018, consisting of 332 works on paper, 15 paintings, and 18 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).

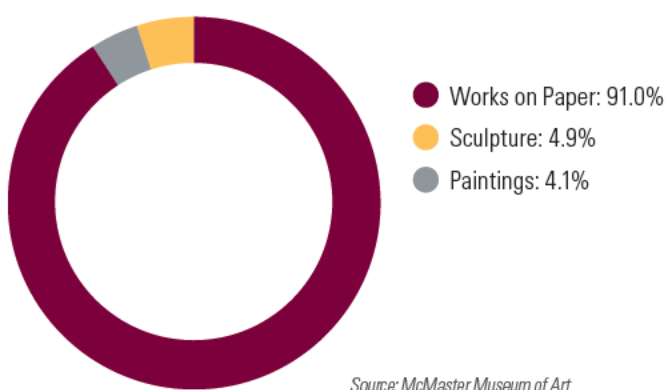
For more information on the Museum of Art, please visit: museum.mcmaster.ca/

- In 2018, the permanent collection held by the Museum of Art consisted of 6,353 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.

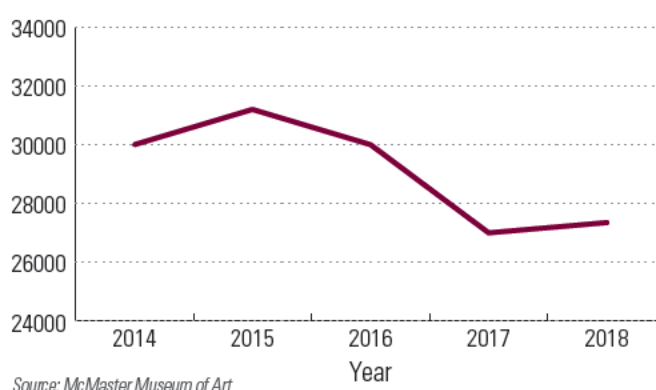
Social Media statistics for 2018 are as follows: 90,704 website views; EMuseum, 41,289 page views; Twitter Followers, 3,148; Facebook Fans, 1,898; E-invite subscribers, 1,581; Youtube Channel views, 43,301; and an active Geocache community.

Permanent Collection Growth, 2014-2018	2014	2015	2016	2017	2018
New Acquisitions					
Paintings	16	5	7	8	15
Works on Paper	11	66	23	8	332
Sculpture	0	8	3	1	18
Coins	0				
Media	0	1	1		
Total New Acquisitions	27	80	34	17	365
Permanent Collection	5,857	5,937	5,971	5,988	6,353

New Acquisitions, 2018 (n=365)



Annual Attendance as of April 30th, 2014-2018



Attendance as of April 30th	2014	2015	2016	2017	2018
Attendance	30,000	31,200	30,000	27,000	27,350

The attendance at the Museum of Art consistently reaches some of the highest figures for a university-affiliate in Canada.



Governance

Current President

- Dr. Patrick Deane, 7th president (2010-2019)

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

** 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

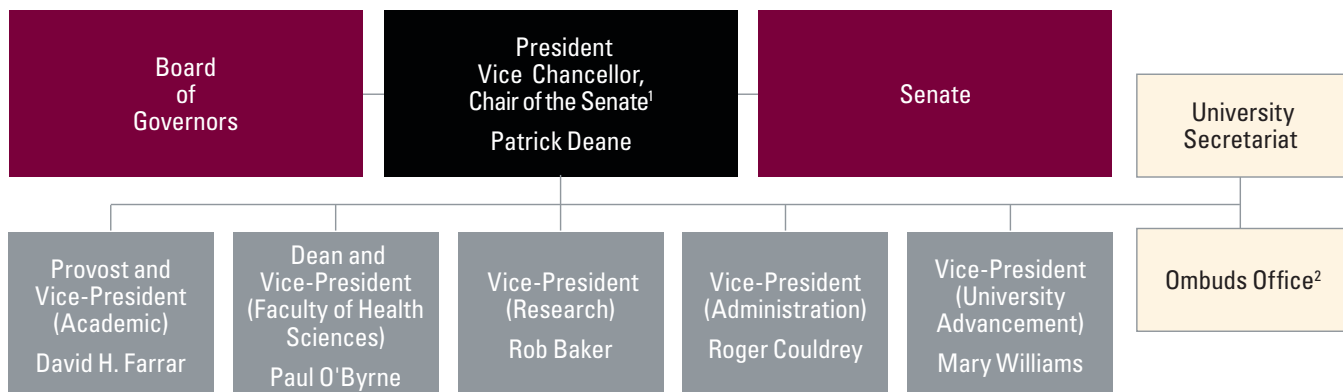
- Suzanne Labarge, 18th chancellor (2013-2019)

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

Organization Chart of McMaster University, 2018



Note 1: The Chancellor is omitted since the President and Vice-Chancellor is designated as the Chief Executive Officer by Bill P.R. 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 2018.

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 July 11, 2019, McMaster University had 11,227 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 2018. This was the fourth time that McMaster had submitted an application to this rigorous competition. More than 72 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 July 11, 2019¹

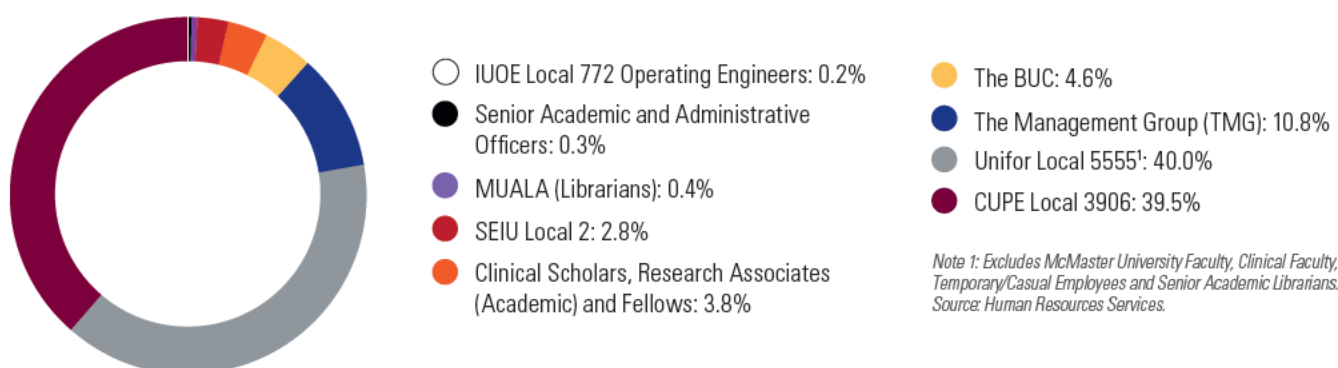
Employee Groups ²	Count
Unifor Local 5555:	2,505
Unit 1: Non-Academic Administrative, Professional and Technical	2,471
Unit 3: Parking & Transit	13
Unit 4: Special Constables	21
CUPE Local 3906:	2,117
Unit 1: Teaching Assistants	1,911
Unit 2: Sessional Faculty and Sessional Music Faculty	56
Unit 3: Postdoctoral Fellows (Non-HSc)	150
IUOE Local 772:	11
Operating Engineers	11
SEIU Local 2:	174
Hospitality Services and PT Satellite	172
Machinists	2
MUALA (Librarians)	28
The Building Union of Canada (The BUC)	290
Operations & Maintenance and Casual Cleaners	290
The Management Group (TMG)	675
Senior Academic and Administrative Officers	16
Senior Academic Officers	2
Senior Administrative Officers	14
Clinical Scholars, Research Associates (Academic) and Fellows	237
Temporary Staff	4,964
Total	11,227

Note 1: Excluding CUPE Local 3906 Unit 1: Teaching Assistants, which is as of April 20th, 2019.

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

Source: Human Resources Services.

Staff Count by Employee Classification, excluding Temporary, as of July 11, 2019



The largest employee group, Unifor Local 5555, comprises 40.0% of the total staff count.

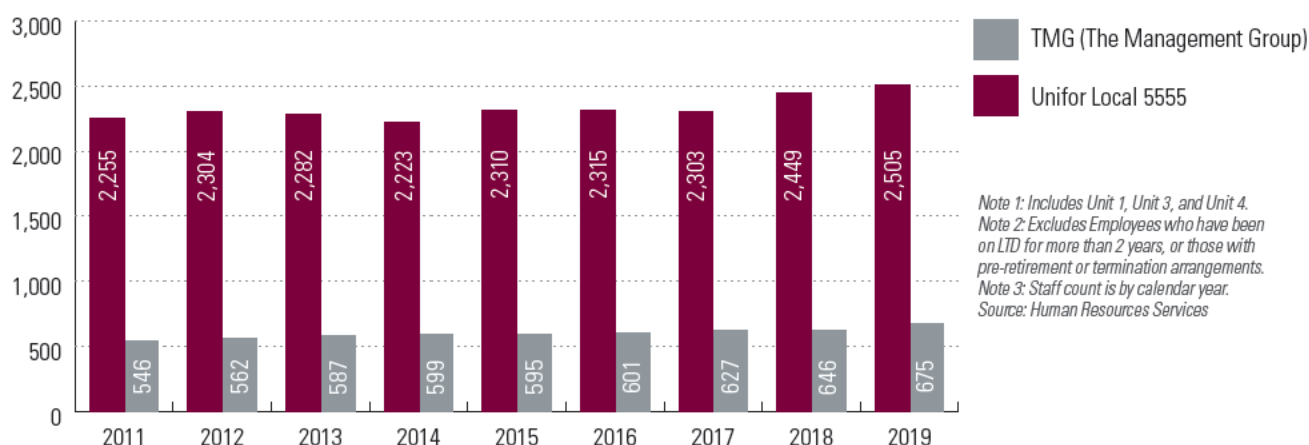
The average age of McMaster employees is 45.2 years. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

Employee Groups by Years of Service and Age, as of July 11, 2019

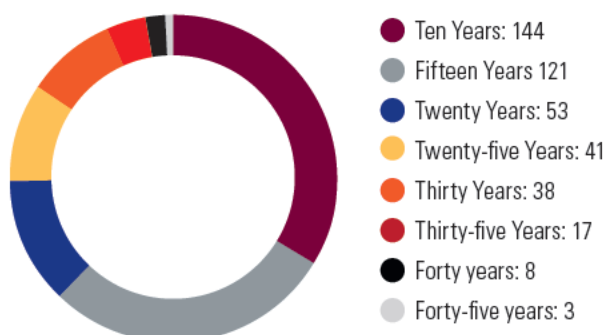
Employee Groups	Average Years of Service	Average Age
Unifor Local 5555:	11.0	43.9
Unit 1: Non-Academic Administrative, Professional and Technical	11.1	44.1
Unit 3: Parking & Transit	3.3	26.1
Unit 4: Security	4.1	34.5
IUOE Local 772:	9.4	48.1
Operating Engineers	9.4	48.1
SEIU Local 2:	8.9	47.3
Hospitality Services and PT Satellite	8.9	47.2
Machinists	9.5	54.9
MUALA (Librarians)	11.0	42.7
The Building Union of Canada (The BUC)	11.6	50.4
Operations & Maintenance and Casual Cleaners	11.6	50.4
The Management Group (TMG)	12.2	46.8
Senior Academic and Administrative Officers	15.0	55.0
Senior Academic Officers	18.4	67.9
Senior Administrative Officers	14.5	53.1
Total	11.2	45.2

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

Staffing Complement for Unifor¹ and TMG, July 2011-2019^{2,3}



Employees Attaining Long Service Milestones in 2019



Eight employees attained the 40 year long service milestone in 2019. 41 employees were inducted into the Quarter Century Club in 2017. The average years of service of McMaster employees is 11.2. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows)

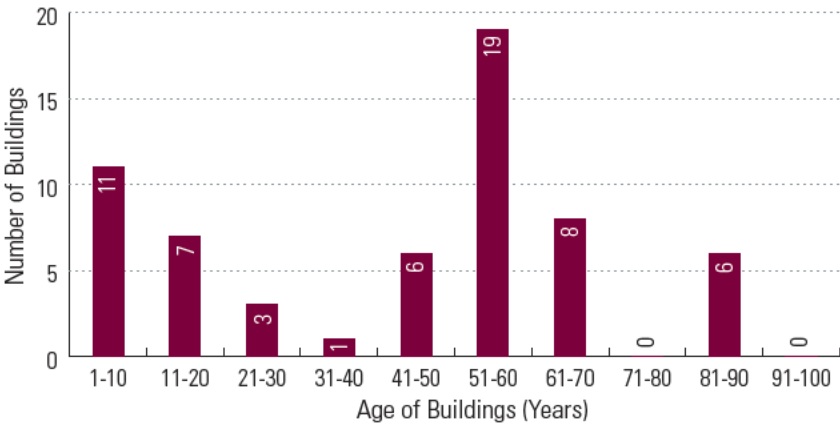


McMaster University has 12 on-campus residence buildings. A total of 3,780 bed spaces are available, with 3,658 spaces reserved for incoming first-year undergraduate students.

Campus Facilities

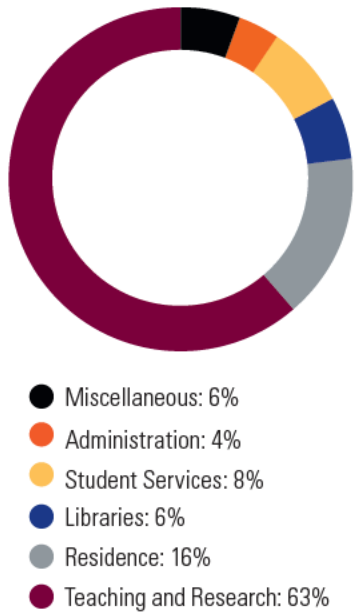
McMaster’s main campus is located near the west end of Lake Ontario and is within a short distance of Cootes Paradise, Bruce Trail, Niagara Escarpment, Waterfront Trail, Royal Botanical Gardens, and Hamilton Conservation Authority. McMaster’s campus encompasses an area that is 152.4 hectares. For more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

Number of Buildings by Age 2018/2019



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: Space Database

Assigned Space (Total = 376,868 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
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
MIP – McMaster Automotive Resource Centre	5,143	99	Research	2013

McMaster University Facilities (continued)

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year ³
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
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

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, McMaster's new residence, classroom and activity building, continued construction in 2018-2019 and is scheduled for occupancy in Fall 2019.

- 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 2020.
- The Peter George Centre for Living and Learning (PGCLL) is under construction at the previous location of temporary buildings #T28, #T29, and #T18, including 335,000 gross square feet at an approximate cost of \$122 million. This building will offer space for classrooms, exam-writing, residence, administration, daycare, a wellness centre, hospitality, parking, and conferences.
- April 18, 2019 marked the opening of a 63,000 gross square foot addition that 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.
- Construction has recently been completed at the Fraunhofer Project Centre for Biomedical Engineering and Advanced Manufacturing at McMaster Innovation Park (MIP). The Centre is now open and is in use to develop technology solutions at the interfaces of medicine, life sciences, and engineering. The 1,860 square-metre facility (gross) had a renovation cost of \$18 million which included contributions of \$8 million committed from FedDev, \$4 million committed from the Province of Ontario, and \$4 million from the City of Hamilton.

McMaster University
has over 195,000
alumni around the
world, as of
June 2019.



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 7000 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 June 19, 2019			
Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,378	1,540	1,791
Business	14,138	16,866	20,567
Continuing Education	5,045	5,372	6,917
Divinity	615	728	1,339
Engineering	16,907	19,954	22,585
Health Sciences	18,240	20,429	23,399
Humanities	16,753	20,443	29,048
Science	25,958	30,083	37,230
Social Sciences	30,406	36,004	49,731
Other ³	91	145	2,401
Total	129,338	151,370	195,162

Note 1: Living Alumni includes lost and removed by request

Note 2: Active Alumni means known contact information.

Note 3: Faculty or program of graduation is unknown.

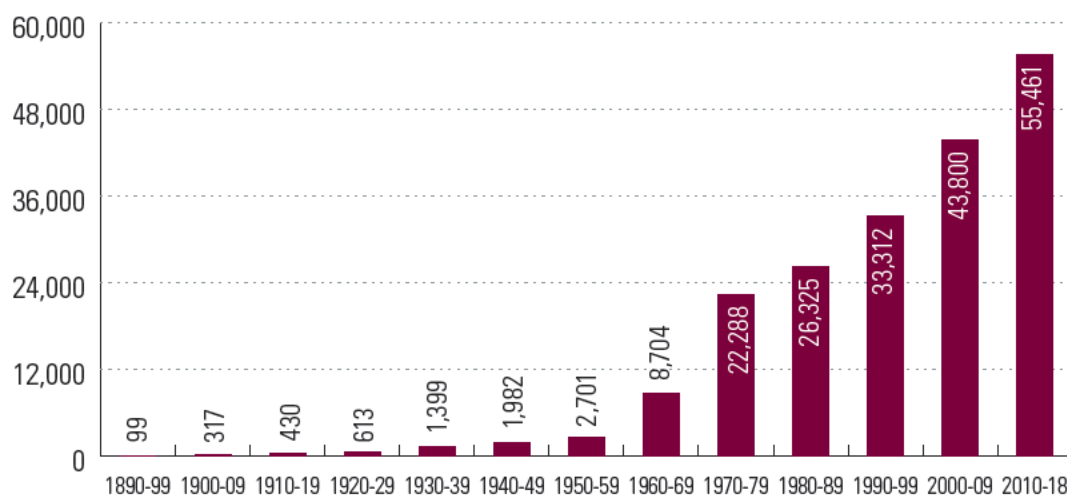
Source: University Advancement

Active International Alumni Residence by Country, as of August 2018



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

Number of Graduates by Decade



50.3%
of alumni have
graduated in the
past 18 years

*Note: Most recent period is only
for eight years.
Source: University Advancement*

Active International Alumni Residence by Country, as of August 2019

Country	Alumni	Country	Alumni	Country	Alumni	Country	Alumni
Armenia	1	Eritrea	1	Libya	5	Seychelles	1
Afghanistan	1	Taipei	1	Lithuania	1	Sierra Leone	5
Angola	6	The Netherlands	37	Macau	13	Singapore	162
Antigua	5	Estonia	1	Ivory Coast	1	Slovak Republic	3
Argentina	9	Ethiopia	3	Malaysia	132	Slovenia	3
Aruba	1	Falkland Islands	1	Malta	1	Solomon Islands	1
Australia	304	Finland	7	Mauritius	5	South Africa	24
Austria	15	France	79	Mexico	61	South Korea	105
Azerbaijan	1	Germany	112	Morocco	3	Spain	17
Bahamas	64	Guam	1	Namibia	1	Sri Lanka	11
Bahrain	6	Ghana	17	Nepal	3	St. Lucia	4
Bangladesh	24	Grand-Duche Du Luxembourg	8	Netherlands Antilles	7	Swaziland	1
Barbados	33	Greece	46			Sweden	22
Belgium	34	Grenada	1	New Zealand	82	Switzerland	65
Belize	2	Guatemala	2	Nigeria	42	Taipei	1
Bermuda	74	Guyana	14	Northern Ireland	15	Taiwan	64
Bhutan	1	Haiti	1	Norway	18	Tanzania	10
Bolivia	2	Holland	7	Oman	13	Thailand	47
Botswana	18	Honduras	1	Pakistan	56	Trinidad & Tobago	107
Brazil	29	Hong Kong	826	Palestine	2	Tunisia	1
British Ind. Ocean Terr.	1	Hungary	7	Papua New Guinea	4	Turkey	23
Brunei	5	Iceland	4	People's Republic of China	464	Turks and Caicos Islands	1
Bulgaria	3	India	161	Peru	5	Uganda	14
Burkina Faso	2	Indonesia	41	Philippines	13	Ukraine	5
Burma	4	Iran	19	Poland	10	United Arab Emirates	113
Cayman Islands	12	Isle-Man	1	Portugal	6	United Kingdom	13
Channel Islands	6	Israel	29	Puerto Rico	2	United States of America	6,636
Chile	18	Italy	38	Qatar	20	Uruguay	1
Colombia	11	Jamaica	41	Republic of Croatia	3	Venezuela	12
Costa Rica	3	Japan	119	Republic of Ireland	32	Vietnam	7
Cyprus	8	Jordan	7	Republic of Korea	8	Virgin Islands	1
Czech Republic	6	Kazakhstan	3	Romania	3	Wales	12
Denmark	14	Kenya	55	Russia	9	Western Sahara	1
Dominican Republic	2	Kuwait	16	Rwanda	4	Zambia	6
Ecuador	1	Latvia	2	Saudi Arabia	82	Zimbabwe	9
Egypt	87	Lebanon	5	Scotland	54		
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, 2018

Goal:
\$55 million

NEW PLEDGES AND GIFTS:
\$28,994,025

DISCOUNTED FUTURE GIFTS:
\$11,108,447

OTHER REVENUE:
\$1,441,505

2018 Total:
\$76,152,531

RETURN ON INVESTMENT:
\$8.62 (\$8.52 in 2017)

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

COST PER DOLLAR RAISED:
\$0.12 (\$0.12 in 2017)

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

Other Private Revenue Metrics, 2018

TOTAL PRIVATE REVENUE RECEIPTED:
\$34,769,999

FUTURE GIFT VALUE (5-year average):
\$203,000

NUMBER OF DONORS:
7,625

% OF GIFT VALUE FROM **1%** OF DONORS:
89%

NEW CONFIRMED FUTURE GIFTS:
35

PRIVATE REVENUE **\$1M** OR GREATER:
7

Source: University Advancement



The University finished the 2018-19 year with an audited surplus of \$157.0 million.

Finance

The University finished the 2018-2019 year with an audited surplus of \$157.0 million (2017-2018 - \$105.7 million). The increase in surplus over the prior year was driven by revenue growth related to increased enrolment in both undergraduate and graduate programs and associated tuition income, as well as revenues from specially funded programs, non-regulated fees, other enrolment-related support service revenues and increased recoveries for energy production sales to the affiliated hospital on campus.

Included within the consolidated results is an operating fund surplus of \$25.0 million (2017-18 surplus of \$44.2 million). The surplus relates to operating fund revenue growth from tuition through both increased enrolment and rate increases within the provincial framework, and other revenue related to English language programs for international students.

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

- Consolidated revenues exceeded \$1 billion, up 8.2% over 2018/19. Growth from international enrolment and other sources is a key focus as a result of frozen grant funding and deflationary tuition frameworks.
- Faculty and staff are key to achieving McMaster's mission and represent 61.9% 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, 2019, the pension plan had a deficit of \$82.6 million and the non-pension post-retirement benefit plan had a deficit of \$274.7 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.
- Total assets grew by 6.3% largely due to capital asset additions such as the Peter George Centre for Living and Learning, and increased investments.
- Total liabilities increased by 9.3% primarily related to employee future benefit obligations, which increased due to the introduction of the new Pension Benefits Act, involving a Provision for Adverse Deviation, interest rate and other demographic adjustments.
- 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, 2019 with comparative figures for 2018* (\$ millions)			
Statement of Operations - Audited**	2019	2018	% change
Revenues	1,193.0	1,102.2	8.2%
Expenses	1,036.0	996.5	4.0%
Excess of revenues over expenses	157.0	105.7	48.5%
Statement of Financial Position - Audited**	2019	2018	% change
Assets	2,896.6	2,724.3	6.3%
Liabilities	1,675.7	1,533.4	9.3%
Net Assets	1,220.9	1,190.9	2.5%
Operating Fund - Unaudited	2019	2018	% change
Sources of revenue	718.6	677.1	6.1%
Net expenditures and transfers	693.6	632.9	9.6%
Net surplus	25.0	44.2	43.5%
Reconciliation of Operating Fund Results to Audited Statement of Operations above*	2019	2018	% change
Operating Fund net surplus	25.0	44.2	-43.5%
Accrual Adjustments:			
Capital expenditures net of amortization	91.3	55.8	63.6%
Investment income on internal endowments	4.6	2.4	93.0%
Pension and non-pension adjustments	26.1	22.4	16.5%
Other accounting adjustments	10.0	(19.1)	-152%
Excess of revenues over expenses per audited financial statements	157.0	105.7	48.5%

** 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/FS_AFR_19.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.
MTCU	Ministry of Training, 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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