

FOCUSED ON A
**BRIGHTER
WORLD**

McMaster University
Fact Book
2017 | 2018

McMaster
University 



FACT BOOK 2017-2018

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

INSTITUTIONAL RESEARCH AND ANALYSIS

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

Phone: 905-525-9140, ext. 23530

Email: irahelp@mcmaster.ca

URL: ira.mcmaster.ca

**Any revisions to the McMaster 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

The Office of Institutional Research and Analysis wishes to thank all the individuals from the following areas for their contribution to this edition of the *McMaster University Fact Book*:

- Facility Services
- Faculty of Business
- Faculty of Engineering
- Faculty of Health Sciences
- Faculty of Humanities
- Faculty of Science
- Faculty of Social Science
- Financial Services
- MacPherson Institute for Leadership, Innovation & Excellence in Teaching
- McMaster Innovation Park
- McMaster Museum of Art
- Office of Community Engagement
- 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, 2018

We are pleased to present to the University community the 2017-2018 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.

Several significant events took place during the 2017-2018 academic year. Once again, McMaster was ranked among the Top 100 universities in the world by the Academic Ranking of World Universities and the Times Higher Education World University Rankings. For the third year in a row, McMaster University was named one of Hamilton-Niagara's Top Employers. In 2017, McMaster developed several new programs that emphasize the University's focus on collaborative and innovative initiatives, as well as experiential learning opportunities. McMaster's new Integrated Business and Humanities (IBH) launched in Fall 2017, with a focus on encouraging community engagement and sustainable business practice. Also initiated in Fall 2017, the graduate option of the McMaster Engineering Co-op program gives graduate students from across the faculty the opportunity to gain work experience prior to graduation. The new Blended Learning Part-Time MBA program, developed by the DeGroote School of Business, is scheduled to commence in Fall 2018. The program focuses on a combination of online modules and weekend residences with work-integrated assignments. In addition to these new programs, McMaster was awarded the 2018 Global Teaching Excellence Award by the Higher Education Academy.

In 2017, McMaster continued to show its dedication to public service, with a focus on fostering collaboration between the University and community partners. McMaster Indigenous Studies Program celebrated 25 years in Fall 2017. The program, which is Canada's longest running Indigenous Studies program, involves many Indigenous peoples and Elders in a unique teaching structure. The strength of McMaster's research continued throughout 2017 with the implementation of a new Strategic Plan for Research. The five-year plan is informed by a set of core values, highlights the diverse strengths of the University's research enterprise, and identifies eight strategic initiatives designed to meet challenges of the future. Thirteen McMaster researchers were included on the listing of the world's most highly cited researchers, the second highest among U15 institutions. Students also continued to demonstrate excellence in their studies and research with five McMaster graduate students named recipients of prestigious scholarships and fellowship and four 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 to irahelp@mcmaster.ca.

Sincerely,



Jacy Lee, LLM, MTS, MPA, EdD
Associate Vice President
Institutional Research and Analysis
McMaster University



David Farrar, PhD
Provost and Vice-President (Academic)
Distinguished University Professor
McMaster University

Contents:

4	Quick Facts
9	McMaster Goals and Priorities
10	Strategic Goals
25	Students
41	Student Athletics
43	Retention and Graduation
50	Financial Aid
53	Tuition Fees
55	Faculty
62	Research Grants
65	Library
67	Museum of Art
69	Governance
70	Rankings and Reputation
71	Staff
74	Campus Facilities
77	Alumni
81	Donations and Gifts
82	Finance
84	Definitions and Glossary

McMaster 2017-2018 Quick Facts

Undergraduate Admissions 2017



Source: Student Record System

Student Full-time Equivalencies by Immigration Status 2017

	Domestic	International	Total
Undergraduate FTE	23,305.87	2,416.53	25,722.40
Graduate FTE	2,928.00	1,108.00	4,036.00

Note 1: The Fiscal Full-Time Equivalent (FTE) count is calculated for each student as the proportion of the expected unit load for the full fiscal year of 2017.

Note 2: Graduate FTE enrolment is as of November 1, 2017 and as reported to MTCU. FTE (Full-Time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.

Note 3: Includes Divinity.

Source: Student Records Database

Student Enrolment Headcount Fall 2017

Undergraduate	Female	Male	Total
Full-Time	14,350	11,721	26,171
Part-Time	506	595	1,111
Total	14,856	12,316	27,282
Graduate	Female	Male	Total
Full-Time	1,928	1,881	3,811
Part-Time	441	309	750
Total	2,369	2,190	4,561
Total Headcount	17,225	14,506	31,843

Note 1: Undergraduate and Graduate headcount enrolment is as of November 1, 2017 and as reported to MTCU.

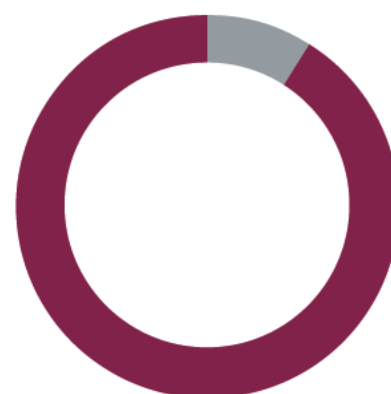
Note 2: Headcount excludes students on co-op work term.

Note 3: Includes Divinity.

Note 4: Total includes Other (Other includes unknown/undeclared)

Source: Student Records Database

Undergraduate Retention Rate 2017

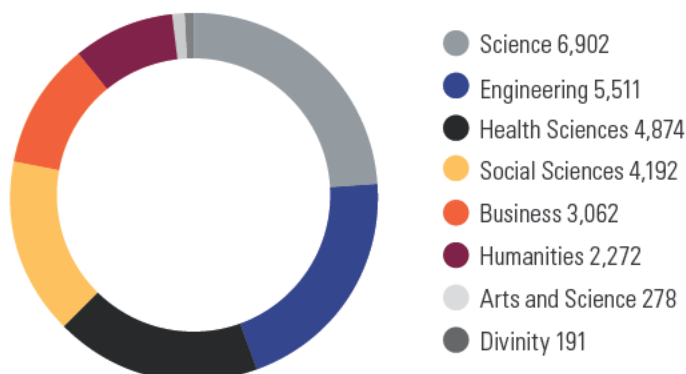


Continued to Second Year 91%

Did Not Continue 9%

Note 1: Retention rate is the percentage of first-time, full-time freshman in Fall 2016 who returned to McMaster in Fall 2017.
Source: Student Records Database, CSRD

Fall 2017 Undergraduate Enrolment by Faculty



Note 1: Undergraduate and Graduate headcount enrolment is as of November 1, 2017 and as reported to MTCU.

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

Note 3: Includes Divinity.

Source: Student Records Database

80% of McMaster's 2014 undergraduate degree recipients indicated that they were in full-time employment that was closely related or somewhat related to the subject matter of their program of study two years post-graduation.

Source: Ontario University Graduation Survey 2016

113 Countries were represented by international students in 2017

International Student Country of Origin Headcount (Undergrad and Grad) 2017

Country	Number
China	2,068
India	228
Hong Kong	217
Saudi Arabia	148
Iran, Islamic Republic of	125
Nigeria	97
United States	84
Others	808

Note 1: Headcount includes students on a co-op work term.

Note 2: Headcount as reported on November 1st 2017.

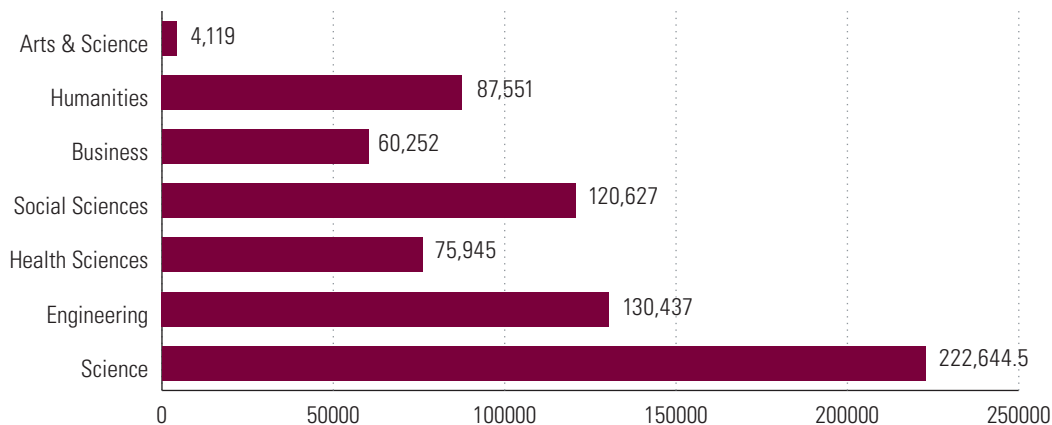
Source: Student Records Database

McMaster University World Ranking 2017

Ranking Body	World Rank	Canadian World Rank
Academic Ranking of World Universities (Shanghai) 2017	66	3
Times Higher Education World University Rankings 2017	78	4
QS World University Rankings 2017	140	6

McMaster was one of only 14 Universities in the world to achieve a 5 Star Plus rating in the QS Stars University Ratings in 2018

Undergraduate Units Taught By Faculty Offering Course 2017/18



Note 1: Units taught is the number of the students enrolled in a course multiplied by the unit value of the course.

Note 2: Includes Units taught for the Regular Session of 2017-2018 Academic Year

Source: Student Records database and Course Scheduling system

Number of Degrees Awarded 2017

Faculty	Bachelor	First Professional	Masters	Doctoral	Graduate Cert. and Diploma	Total
Business	555	0	289	10	0	854
Engineering	979	0	212	71	0	1,262
Health Sciences	866	197	311	50	27	1,451
Humanities	510	0	95	19	2	626
Science	1,239	0	115	76	0	1,430
Social Sciences	937	0	124	22	2	1,085
Arts & Science	62	0	0	0	0	62
Interdisciplinary	0	0	196	22	0	218
Total	5,148	197	1,342	270	31	6,988

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

Note 2: Excludes Divinity.

Source: Student Records Database

McMaster 2017-2018 Quick Facts

Number of Full-Time Faculty 2017

Faculty	Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	32	82	33	122	34	109	412
Associate Professor	24	42	58	47	49	90	310
Assistant Professor	20	48	24	25	41	92	250
Lecturer	2	6	1	1	6	0	16
Total Faculty	78	178	116	195	130	291	988

Note 1: As of October 1, 2017 and including research educators.

Note 2: Faculty members with joint appointments are counted under their primary faculty on record.

Note 3: Excludes clinician educators.

Source: Human Resources

McMaster Academic Research*

Total Sponsored Research Income (\$000) in 2016-2017	\$354,619
Research Intensity Ratio (\$000) ¹ in 2016-17	\$405.3
Number of Canada Research Chairs	69
Number of Research Centres and Institutes at McMaster	70+
Number of Highly Cited Researchers in 2017	13
Research Intensity Rank for Medical Schools in Canada	1

¹ Measures Sponsored Research Income per Faculty

Source: McMaster Research Finance, CAUBO, Research InfoSource 2017 and Thomson Reuters Highly Cited Researchers 2017

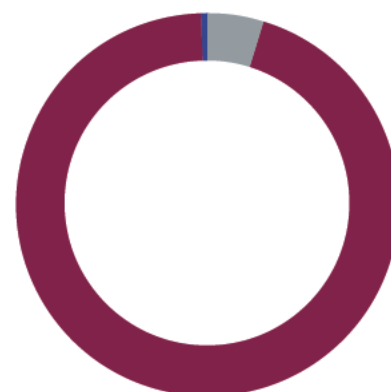
Employee Count as of July 25, 2018

Employee Group	Headcount
Unifor Local 5555	2,449
CUPE Local 3906	1,954
IUOE Local 772	13
SEIU Local 2	182
MUALA (Librarians)	26
The Building Union of Canada (The BUC)	299
The Management Group (TMG)	646
Senior Academic and Administrative Officers	18
Clinical Scholars, Research Associates (Academic) and Fellows	239
Temporary Staff	4,516
Total	10,342

Note 1: Excludes McMaster University Faculty, Clinical Faculty, and Senior Academic Librarians

Source: Human Resources Services

Highest Degree of Full-Time Faculty Members 2017



● Percent PhD/MD 94.7%

● Percent Masters 4.9%

● Other 0.4%

Note 1: As of October 1, 2017 and including research educators.

Note 2: Excluding clinician educators.

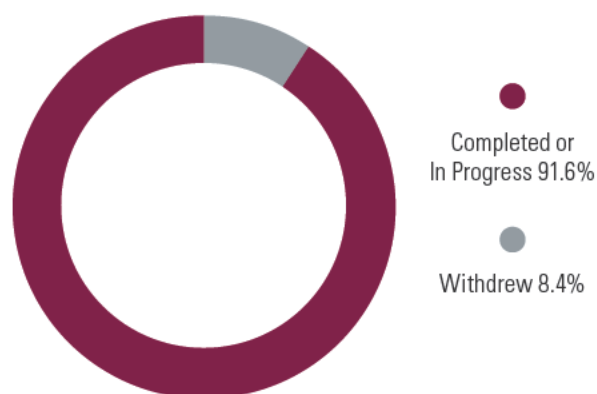
Source: Human Resources

McMaster's Full-Time faculty members have an average age of 50.4 years, with an average of 14.3 years at the university.

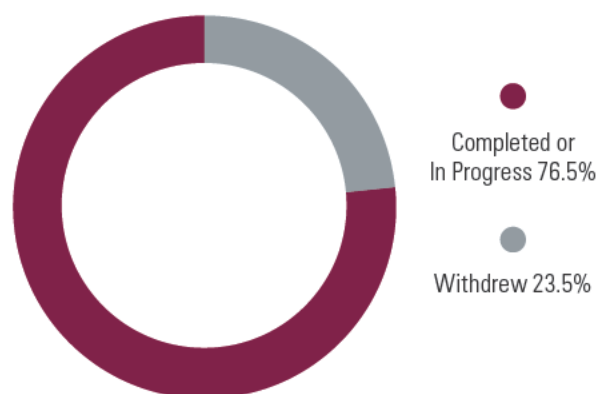
The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.5% in 2000 to 42.44% in 2017.

In 2017, 29,044 undergraduate applications were received from Ontario high schools.

Progression of 2011 McMaster's Cohort after 5 years*



Progression of 2007 Doctoral Cohort after 9 years



*Note 1: Completed or in Progress for Master's Cohort includes students who got promoted to a Doctoral Degree without finishing their Master's degree.
Source: Graduate Studies and Students Records Database*

McMaster Statement of Operations – Audited (Millions)*

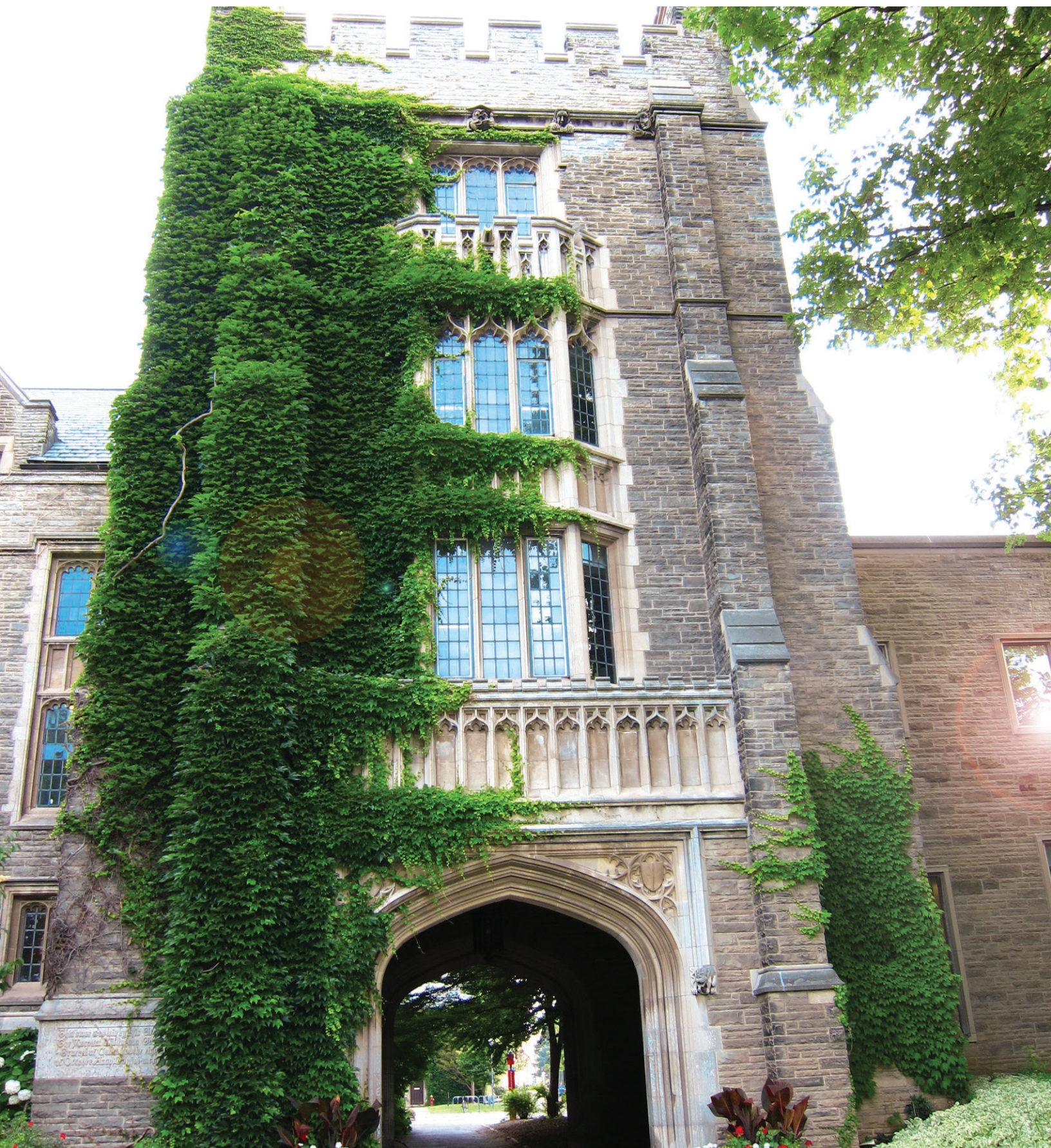
	2017	2018
Revenues	\$1,076.0	\$1,109.5
Expenses	\$963.9	\$985.7
Excess of revenues over expenses	\$112.1	\$123.8

McMaster Statement of Financial Position – Audited (Millions)*

	2017	2018
Assets	\$2,584.5	\$2,735.1
Liabilities	\$1,490.3	\$1,526.0
Net Assets	\$1,094.2	\$1,209.1

Note 1: Year ended April 30, 2018.

*Note 2: Audited Statement of Operations is prepared on a full accrual basis in accordance with Canadian accounting standards for not-for-profit organizations and includes activities of all funds.
Source: McMaster Annual Financial Report*





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 one of only two universities in Ontario ranked among the world's top 100 universities, and one of only four in Canada. *Research Infosource* 2017 ranked McMaster as Canada's most research-intensive university, with a total research income of \$354.6M, averaging \$405,300 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 strive to 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 a variety of 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 multipurpose Peter George Centre for Living and Learning is under construction and scheduled for occupancy in Fall 2019. Other projects to address student need and enhance student life are underway, including plans to build a new residence. In addition, a \$60 million, 100,000 square foot Student Activity and Fitness Expansion was approved through a referendum held by the McMaster Students Union (MSU). This expansion will double the size of McMaster's fitness centre, and include a new gym, as well as more studio, study, event, lounge, and prayer spaces.
- Across the University, students continue to be offered opportunities to engage in experiential learning experiences and work-integrated learning, both within Canada and overseas. Recent initiatives include:
 - Launched in Fall 2017, the graduate option of the McMaster Engineering Co-op program gives graduate students from across the Faculty the opportunity to gain work experience prior to graduation.
 - A new Blended Learning Part-Time MBA program has been developed by the DeGroote School of Business. Due to be launched in Fall 2018, the program is a combination of online modules and weekend residences with work-integrated assignments.
 - The Faculty of Humanities launched a new Discovery Channel Canada Internship in Fall 2017 which enables students to earn course credits while working with the Channel's flagship Daily Planet program.
 - The Gerald Hatch Centre for Engineering Experiential Learning opened in Fall 2017 and provides 28,000 square feet of space for student-focused, hands-on learning initiatives, including building spaces, shared work areas, and collaboration rooms.
- The University's focus on experiential learning has been bolstered by the Career Ready Fund made available by the Ministry of Training, Colleges and Universities. Some of the initiatives made possible through the fund include:
 - The Office of Community Engagement and Paul R. MacPherson Institute for Leadership, Innovation and Excellence in Teaching have partnered to make \$150,000 available to successful applicants to increase experiential learning opportunities in undergraduate and graduate program offerings. The first call for applications resulted in 17 grants being awarded and a second call is planned during 2018-19.
 - McMaster is collaborating with the community of Akwesasne to expand the experiential learning, leadership training, and rite of passage program, Ohero:kon (Under the Husk). One of the outcomes is the new Engineering 41D3 course, in which students will work with the community to construct a new learning space.
- McMaster's Student Career Access Program provides students with disabilities and those from other underrepresented groups with access to a full range of career learning opportunities. Students work with a Career Advisor to develop an individualized employment plan and map out experiential activities that will help them achieve their career goals.
- The Student Open Circles program trains students to manage volunteer teams on behalf of not-for-profit organizations without the resources to do so. Students learn about issues impacting Canadian communities, develop valuable leadership skills, and have the opportunity to reflect on their career aspirations.
- To meet societal and labour market needs and student demand, McMaster continues to develop innovative inter-disciplinary, and multi-disciplinary programs. Recent initiatives include:
 - The Integrated Business and Humanities (IBH) program, which was launched in Fall 2017, enrolled 49 students in its first year. The program encourages community



engagement and sustainable business practices.

- Through the MacChangers program, led by the Faculty of Engineering and MacPherson Institute, interdisciplinary teams of McMaster students from all Faculties develop extracurricular research projects and propose innovative solutions to local and global societal issues.
- The Makerspace at Thode Library, launched in 2017, is a new interdisciplinary experiential learning space. By providing access to tools, technology, expertise and social connections, students have an opportunity to explore new technologies, learn technical skills and work collaboratively to transform ideas into tangible prototypes.
- In January 2018 the School of Interdisciplinary Science launched Science for the Global Citizen, a new blended-learning course which enables students from all Faculties to examine the links between science and society through live guest lectures and evidence-based online discussions.
- 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:

- A campus-wide global engagement hub project was formally initiated in April 2018. The hub will foster a distinctive and sustainable culture of global citizenship and engagement for students, faculty, staff, administration, prospective partners, and alumni through the coordination of international knowledge, information, services, and programming.
- The Graduate Diploma in Engaged Research and Evaluation offers students in Social Sciences the opportunity to develop knowledge and skills in community-engaged research and evaluation, and to contribute to community and agency learning, effectiveness, and change.
- The Faculty of Humanities has developed five new concurrent certificates for McMaster Undergraduate students, which are due to launch in Fall 2018. The Certificates cover Leadership and Cross-Cultural Literacy, the Language of Medicine and Health, Ethics and Policy for Technological Innovation, International Engagement, and Practical French.
- The Wilson Leadership Scholar Award, hosted by McMaster University, supports the development of students who demonstrate exceptional leadership potential. In addition to a high-value monetary award, the program includes

a range of mentorship, professional development, and community engagement opportunities, and brings together students from a variety of disciplines to nurture their leadership skills.

KEY OUTCOMES

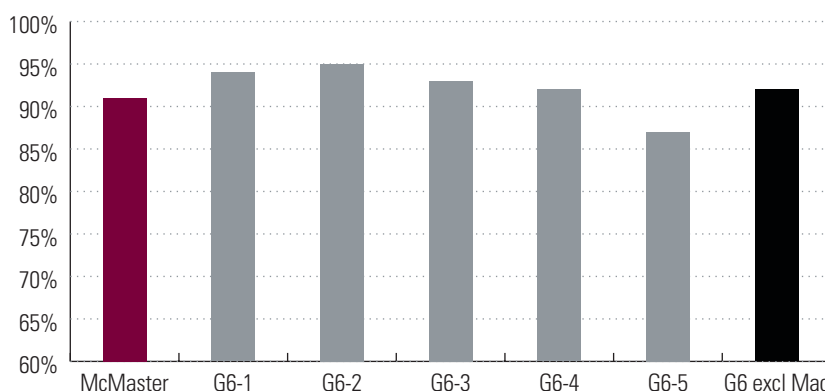
- In recognition of McMaster's institution-wide commitment to promoting and supporting teaching excellence and pedagogical innovation, the University was awarded the 2018 Global Teaching Excellence Award by the Higher Education Academy in partnership with Times Higher Education. McMaster was selected for the award from an international short-list of finalists on the basis of the range of experiential learning opportunities available, our commitment to global engagement, and the work of the MacPherson Institute.
- McMaster is globally recognized for its commitment to innovation and advancing human and societal health and well-being. As part of the University's continued focus on creating an environment that promotes health and wellness for students, faculty, staff, and visitors, McMaster became Ontario's first tobacco and smoke-free campus in January 2018.

- McMaster has continued to make innovations in online and blended learning:
 - The Master's program in Child Life and Pediatric Psychosocial Care entered its second year in Fall 2017. This unique program is a professional and practice-focused graduate degree delivered with a creative web-based online learning format and complemented by two residency periods.
 - McMaster's Faculty of Social Sciences has collaborated with the Centre for Continuing Education over the last year to design a joint on-line degree program in Sociology that will enable students initially taking courses through CCE to enroll in a BA program. The program will be offered in Fall 2018.
 - In February 2018, a new Massive Open Online Course (MOOC) titled DNA Decoded was launched by the Faculty of Health Sciences in partnership with the MacPherson Institute. Open to the public, the course teaches students about the significance of DNA and allows them to engage in a virtual lab to perform their own forensic analysis.
 - Since 2013, the MacPherson Institute has engaged nearly 300 undergraduate and graduate students in their Student Partners Program. The Institute has also been instrumental in the redesign of over 45 online and blended courses, e-Modules, and MOOCs.
- The Honours BA in Indigenous Studies provides opportunities to explore the intellectual traditions of many Indigenous peoples, including the Haudenosaunee and Anishinaabe of Southern Ontario. The program saw a 45 per cent growth in enrolment between 2016-17 and 2017-18.
- In partnership with Mohawk College, the Faculty of Science runs two Honours Bachelor of Applied Science specialization programs. Demand for these programs is rising, with enrolment increasing from 80 to 157 between the first and second year of the programs. Graduates receive an Ontario College Graduate Certificate from Mohawk, as well as the McMaster Honours Bachelor of Applied Science degree. McMaster also offers an overarching Honours Human Behaviour program, leading to an Honours Bachelor of Applied Science Degree.

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 2017

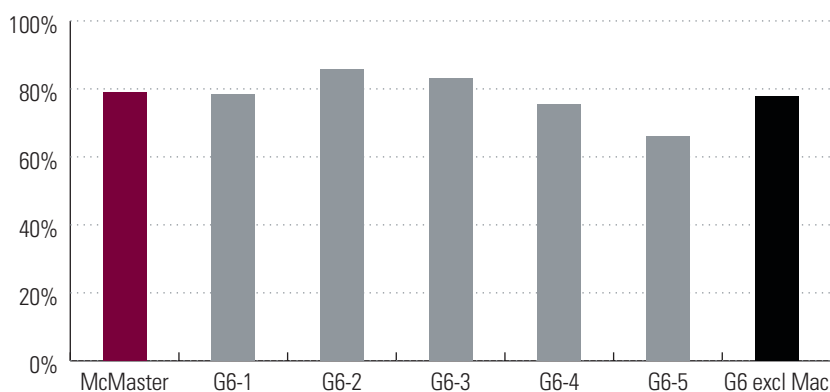


Note 1: Retention rates are based on first-time, full-time undergraduate students who commenced their studies in the previous year and have continued to study at the same institution in the reporting year.

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: CSRADE (Consortium for Student Retention Data Exchange) 2017.

Undergraduate Six Year Graduation Rate – 2017



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).

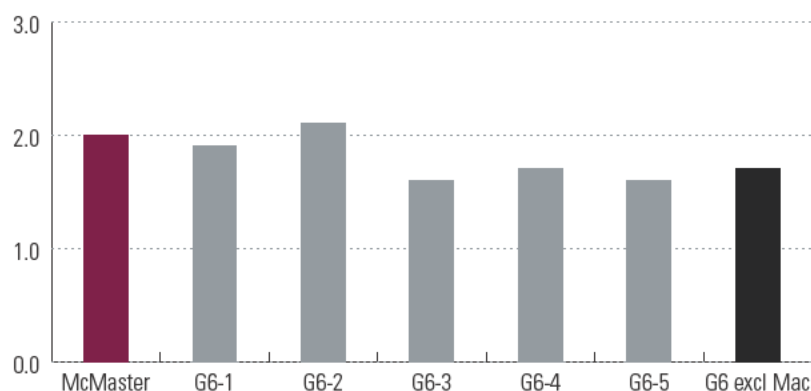
Source: CSRADE (Consortium for Student Retention Data Exchange) 2017.

- In 2017-2018, McMaster enrolled 1,962 credit transfer students (an increase of four per cent compared to 2016-2017) from 20 Ontario universities and 20 Ontario colleges.
- McMaster continues to encourage and support student entrepreneurs, provide seed funding, and actively promote entrepreneurship on campus. Since its establishment nearly four years ago,

The Forge has incubated more than 80 companies that have gone on to raise more than \$17 million of funding. The Forge currently works with 30 start-up clients including McMaster students, alumni, and community members, and engages more than 2,200 students each year in its programming.

- McMaster programs provide high-quality preparation for future careers. In the 2016 Ontario University Graduate Survey of McMaster's 2014 undergraduate degree recipients, 91.4 per cent of respondents indicated that they were in full-time employment that was closely related or somewhat related to the skills they studied at university two years post-graduation. The Ontario average is 88.8 per cent.

NSSE - Average Number of High Impact Practices (HIPs) Per Fourth-Year Student - 2014



Note 1: Ontario universities administer the NSSE survey every 3 years and 2014 is the last available data.

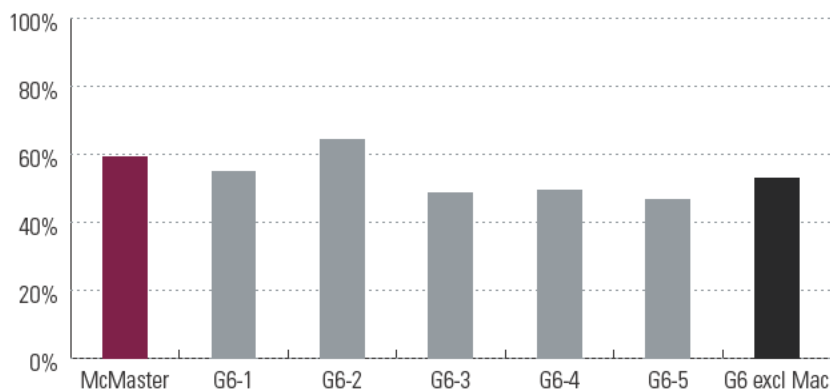
Note 2: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15

(Canada's 15 research-intensive universities).

Source: National Survey of Student Engagement (NSSE) 2014.

- 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 1,600 job seekers and 169 exhibiting employers attended the 2018 event.
- The DeGroote School of Business Internship Program is the largest undergraduate business internship program in Ontario, providing students with 12 to 16 months of work-integrated learning.
- During 2017-18 the Engineering Co-op and Career Services saw a 47 per cent increase in career development appointments and a 14 per cent increase in co-op work terms to more than 2,400.

NSSE - Proportion of Fourth-Year Students with Two or More High Impact Practices (HIPs) - 2014



Note 1: Ontario universities administer the NSSE survey every 3 years and 2014 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) 2014.

- McMaster produces some of Canada's most employable graduates, according to Times Higher Education. The University ranked fifth in Canada and 74th worldwide (up one spot from 2016), in the Global University Employability Ranking 2017.
- 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.

**McMaster
frequently RANKS
HIGHER than the
Ontario average
in NSSE
BENCHMARKS.**

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 ongoing 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 (IHI) is being developed by the Faculty of Health Sciences in collaboration with Indigenous partners. The overall goal of the IHI is to address the disparity experienced by Indigenous people. It aims to address systemic barriers in health science education for Indigenous learners, and educate faculty and administrators regarding Indigenous health.
 - Established in 2016, the McMaster Indigenous Research Institute (MIRI) – one of Canada's first university-wide Indigenous Research Institutes – supports and sustains Indigenous research and knowledge across all disciplines and within the communities with whom our researchers and students interact.
 - This year the Indigenous Undergraduate Summer Research Scholars program (IUSRS), run by MIRI and the School of Graduate Studies, hosted 11 Indigenous undergraduate students from across Canada for an eight-week program which provides hands-on experience in a graduate research environment, and includes cultural and academic programming.
- McMaster's Indigenous Studies Program celebrated 25 years in Fall 2017. The program incorporates a unique teaching structure of Indigenous knowledge involving many Indigenous peoples and Elders, and is Canada's longest-running Indigenous program.
- A longstanding partner with Six Nations Polytechnic (SNP), McMaster maintains an educational pathway with SNP for students who wish to transition to university. McMaster also has scholarly relationships with Deyohahá:ge: the Indigenous Knowledge Centre at SNP, bringing diverse knowledge systems together to advance the well-being of all peoples.
- 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:
 - The Office of Community Engagement, in collaboration with the MacPherson Institute, developed a Community Engaged Teaching and Learning Toolkit that helps faculty and staff learn how to integrate McMaster's Principles of Community Engagement into community engaged educational settings.
 - 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 seventh cohort in Fall 2017, and has now graduated approximately 160 students.
- Researchers from CanChild and the School of Rehabilitation Science have partnered with the Hamilton-Wentworth Catholic School District and the Hamilton Niagara Haldimand Brant Local Health Integration Network to explore how special education resource teachers, speech-language pathologists, and occupational therapists develop and implement tiered services in schools where socio-economic factors impact students' learning. This project supports the provincial government's Special Needs Strategy, and is contributing to the evidence in support of integrated school-based rehabilitation services.
- Students from different academic disciplines come together under the IMPACT initiative, which was co-developed by faculty members from the Faculties of Health Sciences, Engineering, and Science. This cross-Faculty educational collaboration encourages faculty, students, and healthcare providers to apply their knowledge to create customized accessibility devices for members of our aging population or those living with disabilities.
- In April 2018, McMaster hosted the FIRST Robotics District Competition,



McMaster remains a significant source of employment within our community, and was named one of Hamilton-Niagara's Top Employers for the third year in a row.

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.

- Coordinated by the Office of International Affairs, 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 was inducted as a member of the Universitas 21 (U21), a leading global network of research intensive universities comprising 26 leading institutions from more than 17 countries. The group encourages its members to share practices that support and enable excellence, collaborate across borders, and nurture global knowledge sharing.
 - Together with Maastricht University, McMaster leads the Global Health initiative, which includes Manipal University, India (Public Health), University of South-Eastern Norway (High North & Arctic Studies), Universidad del Rosario, Colombia (Global Health & Political Economy), Thammasat University in Thailand (Diplomacy & Security), and

Ahfad University in Sudan (Post-traumatic & Humanitarian Aide). In the Spring of 2018, 292 graduate students from this consortium met in India to present research, participate in cultural workshops, and discuss global health research methods.

- The newly-established role of Global Experience Coordinator supports McMaster students in developing the skills needed to be successful global citizens. In addition to advising on co-ops, exchanges, volunteering, field trips, and access to international career and employment support, travel stipends to support global experiences are available.
- Through the Mitacs Globalinks program, students from around the globe have chosen to gain research experience with researchers in McMaster's Faculties of Engineering, Science, Health Sciences, and Humanities. The QEII Scholarship and Erasmus+ programs allow McMaster students to participate in research internships with research partners overseas.
- McMaster continues to lead and actively engage in a range of initiatives within the City of Hamilton, including:
 - CityLAB Hamilton entered the second year of its 3-year pilot with 11 projects currently underway involving 172 students, 18 city staff, and 15 faculty from

the partner institutions. CityLAB Hamilton is a partnership between McMaster, Mohawk College, Redeemer University College, and the City of Hamilton, and aims to engage students in civic and community issues, establish connections and potential job opportunities, and provide innovative solutions to the most pressing challenges facing our City.

- The Faculty of Social Sciences Scholar in Community, a qualitative, community based study involving McMaster, The Food Centre, and the City of Hamilton is looking at ways to assess and improve programs designed to help those struggling with food insecurity, poverty, and marginalization in Hamilton. The project helped the newly-established Hamilton Community Food Centre (HCFC) develop an evaluation framework for their 2017 launch.
- The Synapse Life Science Consortium, a collaborative effort involving McMaster, Hamilton Health Sciences, St. Joseph's Hospital, Mohawk College, and the City of Hamilton, along with the Hamilton Chamber of Commerce, Bay Area Health Trust, and the Innovation Factory, is helping to develop the life sciences industry in the Hamilton region and support international companies seeking an entry point into the North American market.

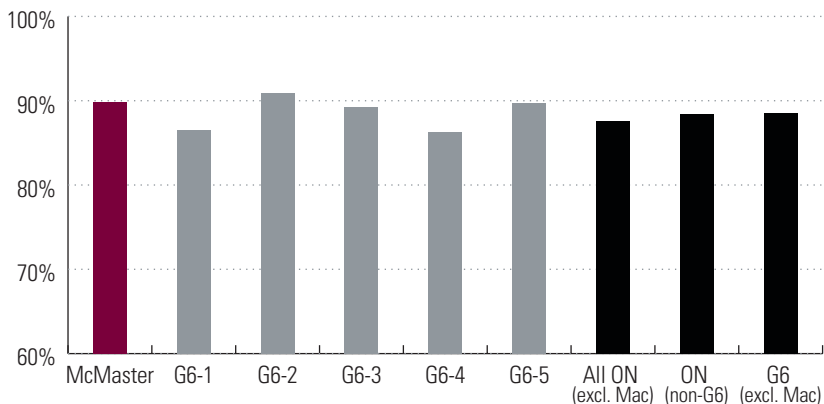
KEY OUTCOMES

- In 2017-2018, McMaster welcomed 6,797 full-time first-generation students (representing about 22.7 per cent of McMaster's Fall full-time student enrolment), 503 (1.7 per cent) Indigenous learners (First Nations, Métis, and Inuit) and 2,132 (7.1 per cent) students with disabilities. McMaster continually strives to improve access to underrepresented groups through pathway programs and initiatives.
- The fourth Change Camp Hamilton took place in Fall 2017 to bring people together from different neighbourhoods, groups, and institutions to share information and ideas. The themes discussed were food security, transportation, community print shop, affordable housing, and space animation. The Change Camp Catalyst Fund, supported by the City of Hamilton, Hamilton Community Foundation, and the McMaster Office of Community Engagement, provided \$4,500 in grants to support new neighbourhood-campus partnerships.
- The two-year Partnering for Change Implementation and Evaluation study enabled 806 children with special needs to receive occupational therapy services at 40 schools and resulted in the sharing of 8,172 strategies and accommodations, 6,697 opportunities to screen small groups of children, the provision of 1,291 whole class activities, and 662 in-services for educators of children in junior kindergarten to grade eight.
- Over the past five years, the IMPACT initiative has involved 800+ first-year engineers, 250+ biology students, and 30+ student occupational therapists. It has been showcased at national and international conferences, featured in the Canadian media, and was recently included as part of a seminar at Duke University.
- After six years of on-campus programming, the McMaster Children and Youth University (MCYU) has reached more than 3,000 youth and their families, with lecture topics spanning all Faculties, and this year will graduate approximately 100 youth. In addition, in 2017-2018 the MCYU in the

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, 6 Months post graduation – 2016



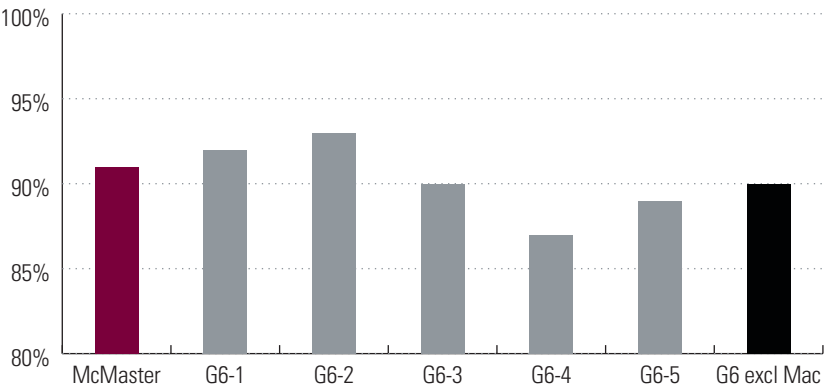
Note 1: Graduate Employment Rate is the number of graduates of bachelors or first professional degree programs expressed as a percentage of the labour force after graduation.

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 6 months 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) 2016.

Proportion of Graduates Employed Full Time in a Related Job (2 Yrs post graduation) 2016



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) 2016.

City program engaged 74 undergraduate and graduate students in developing 105 inquiry-based workshops and delivered them in partnership with 12 community organizations, including schools and libraries, throughout the Greater Hamilton Area.

- McMaster's DeGroote School of Business and Faculty of Engineering have joined forces with Stanford University, becoming the only other academic partner to enter Stanford's Digital Cities Program. The program is poised to change the way commercial businesses and municipal governments operate as the world moves toward increasingly digitized urban centres.
- 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 18,500 students in Summer 2017 through camps run on campus and travelling workshops throughout Ontario. The Faculty also participates in CodeMakers,

a national program to empower youth with critical computer science skills.

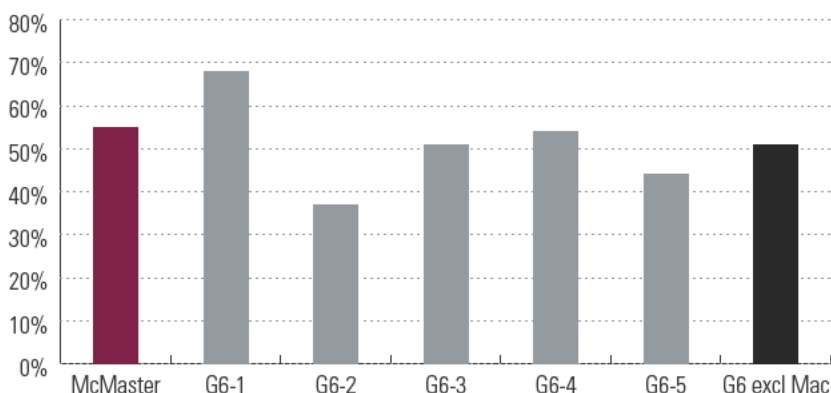
- The Office of International Affairs (OIA) held the first ever joint McMaster University – Centre National de la Recherche Scientifique (CNRS) workshop in February 2018, bringing together 28 French scientists representing 22 CNRS research laboratories, with 20 McMaster faculty from five departments in Science and Engineering. The event reinvigorated numerous existing research ties and encouraged the development of new initiatives, including a possible coordinating project centre in Hamilton/McMaster to champion bi-lateral research projects and support the co-supervision of Ph.D. students.
- Seventy proposals have received funding from McMaster's International Initiatives Micro-Fund over the past three years, with 25 projects, totalling \$121,000, being funded in the last round. This program provides seed funding to support international research partnerships and joint international activities

with leading universities and institutes around the globe, and has been used to advance projects as diverse as developing systems for water quality monitoring in Japan, exploring how marriage ties between large business families affect the industrial structure of South Korea and Taiwan, and collaborating with international partners to use musical principles to improve auditory interfaces in medical devices.

- McMaster's students have been successful in finding employment: of those students graduating with a bachelor or first professional degree in 2014, 90% had found employment within 6 months and 94% within 2 years (source: Ministry of Training, Colleges and Universities' 2016 Ontario University Graduate Survey).
- For the third year in a row, McMaster was named one of Hamilton-Niagara's Top Employers. With approximately 13,400 faculty and staff, McMaster is one of the largest employers in the Greater Hamilton Area.

McMaster continues to build connections with the local community and provide pathways and support to students who may not otherwise have the opportunity to attend University.

Share of OSAP Recipients at an institution relative to its total # of eligible students 2015-16



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.

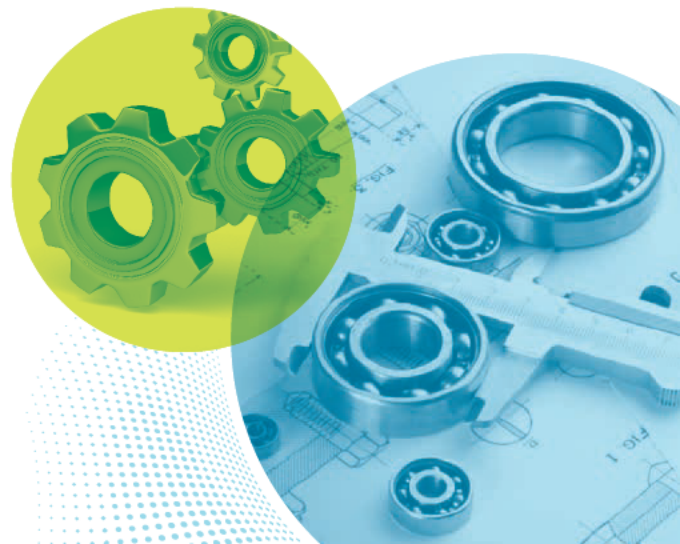
KEY INITIATIVES

- McMaster's new Strategic Plan for Research, Research for a Brighter World, was approved by the University's Senate in Spring 2018 and lays out a vision to enhance McMaster's research mission and achieve even greater research success. Centred on our commitment to research excellence, the five-year plan is informed by a set of core values, highlights the diverse strengths of the University's research enterprise, and identifies eight strategic initiatives designed to meet the complex challenges of the future. Some key aspects of the Strategic Research Plan include:
 - A restatement of McMaster's unwavering commitment to fostering and supporting foundational research across the disciplines, and an acknowledgement of the critical role such research plays in advancing our knowledge and our society.
 - An outline of some of the key areas where our researchers are delivering new knowledge and solutions to meet the most pressing global challenges, and an overview of the strategic themes identified to guide our research efforts in the years ahead.
- A commitment to making strategic investments in support of our researchers: recruiting, mentoring, and supporting diverse and talented teams; developing a pan-university approach to managing and supporting research platforms and equipment; establishing a competitive fund to support major grant applications; enhancing supports for spin-off companies, entrepreneurship, and commercialization; and strengthening and increasing collaboration and cooperation across the University and with external partners.
- A focus on diversity, including an acknowledgement of the importance of Indigenous Knowledge and Research, and a recognition that Indigenous ways of knowing are differentiated by unique, sophisticated, and complex systems of knowledge across Indigenous communities.
- McMaster has a global reputation for excellence in health research and our researchers are playing a leading role in working to address the most significant global issues:
 - The Michael G. DeGroote Institute for Infectious Disease Research is known as a centre of innovation and excellence for its work on addressing the global epidemic of drug resistant infections and our work in this area has been bolstered by a \$15M investment for cutting-edge equipment. McMaster is also the home of 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.
 - In the battle against chronic disease, our ability to conduct population-level studies through the Population Health Research Institute and the Population Genomics Program provides definitive proof of health outcomes. Our world-leading cohort studies such as the Canadian Longitudinal Study on Aging, Prospective Urban and Rural Epidemiological Study, and the Canadian Healthy Infant Longitudinal Development birth cohort, provide valuable data to maximize prevention, treatment, and management of the most challenging chronic diseases.



The 80,000 square foot, state-of-the-art McMaster Automotive Resource Centre (MARC) is strategically placed at the hub of a transportation network linking automotive manufacturers and suppliers.

- 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 in order to optimize the well-being of our aging population. The Labarge Centre is housed in the McMaster Institute for Research on Aging, a cross-Faculty research institute, which provides infrastructure to support research, education, and community outreach.
- McMaster's physical and intellectual assets in advanced materials and manufacturing, and our strong relationships with our government and industry partners, play a crucial role in strengthening Canada's capacity in this important sector:
 - McMaster is a key partner in Next Generation Manufacturing – the national supercluster network, currently headquartered at MIP – 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.
- Researchers in the Biomedical Engineering and Advanced Manufacturing Fraunhofer Project Centre (BEAM) are developing new technologies for cancer treatments, biomarkers for cancer detection, point-of-care tests for rapid diagnosis of infectious and chronic disease, and new biomaterials to aid in the treatment of disease.
- 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 Chrysler, 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.
- The McMaster Nuclear Reactor (MNR) supports research across a range of disciplines, from biological and medical research and the production of medical isotopes, to material composition and neutron and gamma scattering. Already the most powerful research reactor at a Canadian university and the world's only self-funded research reactor, its research capacity continues to grow, thanks to major investments from federal and provincial funding agencies, and other partners. With the closure of the National Research Universal (NRU) reactor at Chalk River Laboratories, MNR is the sole nuclear research facility above low thermal power in the country and provides service to nearly 30 commercial entities within Canada and internationally:
 - The High-Level Laboratory Facility is a 24,000 square-foot laboratory, licenced for research into medical uses of radioisotopes and neutron activation analysis (NAA) of materials.



Research Infosource 2017 ranked McMaster as Canada's most research-intensive university, with a total research income of \$354.6M, averaging \$405,300 per faculty member – more than double the national average.



- The McMaster Accelerator Laboratory contains three particle accelerators and a large volume gamma irradiator (Cs-137) to support research in medical physics and radiobiology.
- The McMaster University Cyclotron Facility holds a 16 MeV cyclotron and hot cell suite for research and the manufacturing of radiopharmaceuticals for clinical use.
- The Government of Canada and Province of Ontario have invested \$43 million in science and engineering teaching and research labs at McMaster, the single largest government investment in laboratories and research capacity in the University's history. The investment from the Strategic Innovation Fund includes a 60,000 square foot addition, lab upgrades, retrofitted and improved infrastructure, and an energy co-generation project. Construction is progressing well, with several aspects already complete and operational. Overall completion is slated for the Fall of 2018.
- Researchers from the Department of Economics are leading a team of experts from the academic, private, and public sectors in a six-year project in search of an answer to Canada's productivity challenges. The findings will inform public policy debate and the development of standard practices within businesses, governments, and labour organizations.
- McMaster's Computing Infrastructure Research Centre (CIRC) focuses on developing and testing the adoption of technologies that eliminate wasteful practices in data centres. CIRC is co-located at McMaster Innovation Park with Cinnos Mission Critical Incorporated, its founding industry partner. This co-location enables close collaboration and exceptional skills development and training opportunities for students. Since 2017, CIRC's interdisciplinary team of researchers has received more than \$5 million in industry contributions and partnered government funding.
- The University Library and Research and High Performance Computing Support have collaborated to develop McMaster Experts, a web platform designed to showcase McMaster researchers and their work. The Library has also taken a lead role in supporting research data management on campus: library services support the collection, documentation, storage, sharing, and preservation of data by university researchers.
- McMaster Innovation Park (MIP) provides a range of office, lab, and specialized facilities to more than 65 companies with over 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.
- McMaster 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 impacts in the region that contribute to the health and well-being of Canadians:
 - The McMaster Industry Liaison Office (MILO) receives 80 to 100 invention disclosures per year and executed over 200 new licences in 2017 for patented technologies and copyrighted materials developed by McMaster researchers. MILO further supports five to six start-up companies that are co-located at McMaster Innovation Park (MIP).
 - McMaster-affiliated biotech start-ups, Turnstone Biologicals and Adapsyn Bioscience, were successful in raising close to US\$50 million in 2016-17. Additionally, Turnstone and Adapsyn entered into significant partnership or collaborative arrangements with major pharmaceutical companies, AbbVie and Pfizer, respectively, to support bringing their lead oncolytic virus drug candidates and bioinformatics platforms closer to market.
 - McMaster's Centre for Probe Development and Commercialization (CPDC) secured US\$45 million in venture capital financing to launch Fusion Pharmaceuticals, a Hamilton-based



The Michael G. DeGroote Institute for Infectious Disease Research is known as a centre of innovation and excellence for its work on addressing the global epidemic of drug resistant infections and our work in this area has been bolstered by a \$15M investment for cutting-edge equipment.

company that develops treatments using medical isotopes to identify, attack, and eradicate cancer cells.

- The Innovation Factory, Hamilton's Regional Innovation Centre located at MIP, has worked with over 1,600 different individuals, groups, and start-up companies since inception. They have also held over 400 events with more than 24,000 attendees.
- McMaster continues to focus on increasing graduate enrolment and is introducing new graduate programs to meet Ontario's higher education and training needs. Some examples include:
 - The Faculty of Humanities introduced an innovative new PhD in Communications, New Media and Cultural Studies in Fall 2017. The program brings together these three interdisciplinary fields and allows students to highlight their curricular and extra-curricular learning, as well as undertake projects as alternatives to a traditional thesis.
 - The Executive MBA in Digital Transformation, launched in 2016, is designed to expose students to the core topics covered in traditional EMBA programs, together with the more technical content associated with master level courses in fields such as data science and business analytics.

- The Master of Science in Speech and Language Pathology, launched in Fall 2017, prepares students to deal with the management of communication and swallowing disorders.

KEY OUTCOMES

- In 2017, McMaster ranked first in the country for research intensity, averaging \$405,300 per faculty member, a 13.1% increase from the previous year, and more than double the national average, and eighth overall in total research income, bringing in \$354.6 million (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 third in Canada (ARWU).
- Over the last five years, from 2013 to 2017, McMaster researchers generated over \$1.6 billion in external research funding (Re\$earch Infosource).
- From 2012-2016, McMaster received \$479.5 million in corporate research partnerships (grants or contracts received from corporate sources), placing McMaster first in Canada (Re\$earch Infosource 2017).
- The strength of McMaster's research is seen in the 2017 listing of the world's most highly-cited researchers from Clarivate

Analytics. The listing included 13 McMaster researchers, the second highest among U15 institutions. Based on Clarivate Analytics data, McMaster ranks first within the U15 in Category Normalized Citation Impact (last 10 years – 2008 to 2017).

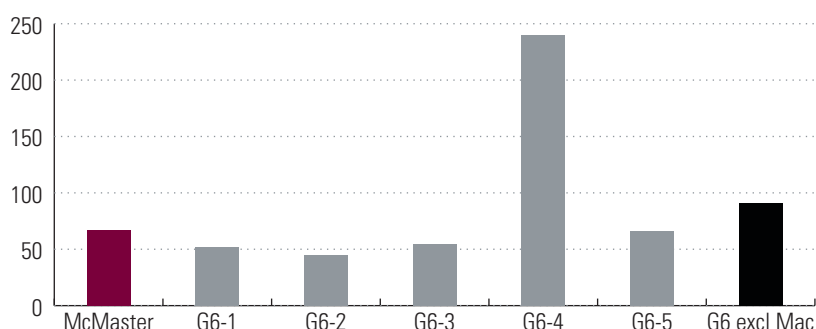
- The Canadian Centre for Electron Microscopy (CCEM) – a national facility housed at McMaster providing world-class electron microscopy capabilities and expertise to Canadian researchers and industry – received a \$14 million investment in 2018, to enable discoveries on the atomic and electronic structure of materials in areas as diverse as biomedical applications and medical imaging, energy conversion, water purification, sensor technologies, and quantum computing. CCEM engages more than 400 graduates, undergraduates, and postdoctoral fellows, has partners and users from 170 research groups in Canada and internationally, and has supported more than 100 companies.
- More than 350 industry representatives, academics, and students gathered to learn about the latest in advanced manufacturing during the sixth annual McMaster Manufacturing Forum. Hosted by the McMaster Manufacturing Research Institute, the focus was on "Innovation through Collaboration." Speakers from all sectors highlighted the importance of collaboration between universities and industry.

- McMaster's researchers are supported by an impressive array of archives and research collections. During 2018, McMaster University Library is celebrating the 50th anniversary of the acquisition of the Bertrand Russell Archives, the University's largest research collection, which is used by scholars from around the world. The collection recently moved to a fully accessible, customized facility that will ensure the proper storage and preservation of the archive, and support a wealth of scholarly activity in areas including peace and religious studies, philosophy, history, political science, literature, and mathematics.
- McMaster is home to 70 Canada Research Chairs (CRCs), 112 endowed chairs, 13 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 (\$81,100 in 2015-2016 - most recent data available) of Ontario's research-intensive universities.
- In 2016-17 McMaster researchers, graduate students, and postdoctoral fellows received some \$82 million from the federal granting councils: \$51.1 million from CIHR; \$25.5 million from NSERC; and \$5.2 million from the Social Sciences and Humanities Research Council (SSHRC).
- In June 2018, McMaster University and the Six Nations of the Grand River hosted more than 350 researchers and stakeholders at the inaugural annual science meeting of the Global Water Futures Program – a \$143 million national initiative, in which McMaster is one of four participating universities – delivering risk management solutions to manage water futures in Canada and other cold regions where global warming is changing landscapes, ecosystems, and the water environment.

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.

Total Tri Agency Funding (\$000,000) 2015 2016

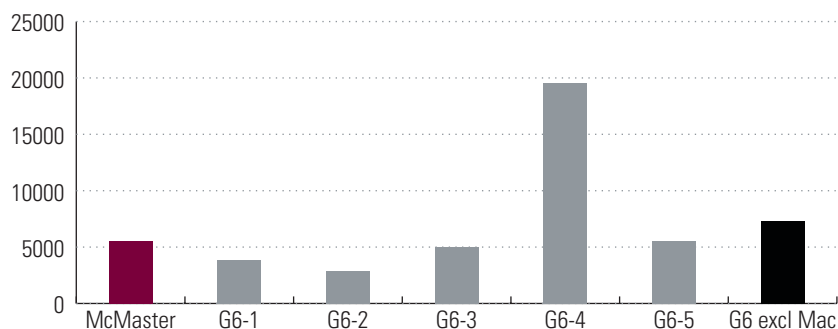


Note 1: 2015-2016 is the last comparable data available at the time of publication.

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: Financial Information of Universities and Colleges (FIUC) 2017.

Total Number of Papers (InCites) - 2017/18

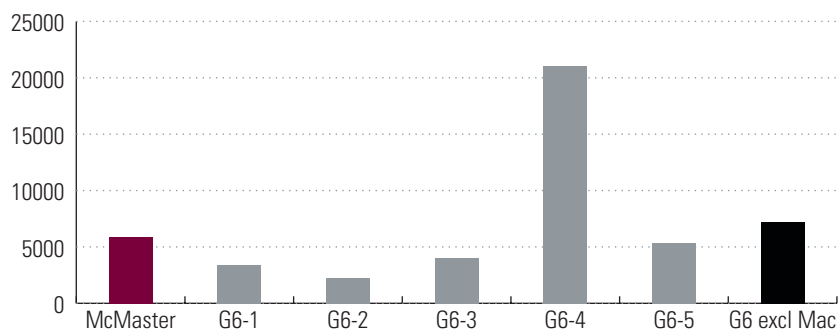


Note 1: The InCites count of Papers for 2017-18 is from the number of papers indexed in the Web of Science Core Collection for 2017-18.

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: Thomson Reuters InCites 2017.

Total Number of Citations (InCites) - 2017/18



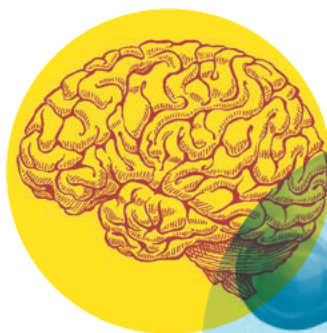
Note 1: The InCites count of citations for 2017-18 is from the number of citations for papers indexed in the Web of Science Core Collection for 2017-18.

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: Thomson Reuters InCites 2017.

McMaster has a global reputation for excellence in health research and our researchers are playing a leading role in working to address the most significant global issues.

- Since the winter of 2015, over 400 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 2017, 380 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 7,190) between 2007-2008 and 2017-2018, 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; and one was the recipient of an E.W.R Steacie Memorial Fellowship award from NSERC.
- In 2017, five McMaster graduate students were recipients of prestigious scholarships and fellowships – four were named Vanier scholars and one post-doctoral fellow was named a Banting Fellow.



FACT BOOK: GOALS AND PRIORITIES 2017-2018

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

INSTITUTIONAL RESEARCH AND ANALYSIS

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

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

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



The Faculty of Health Sciences had the highest percentage of total graduate enrolment (26.2%).

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 2017, 29,044 undergraduate applications were received from Ontario high schools.

New Student¹ Applications from Ontario High Schools, Yield Rates – University Total (2008-2017)

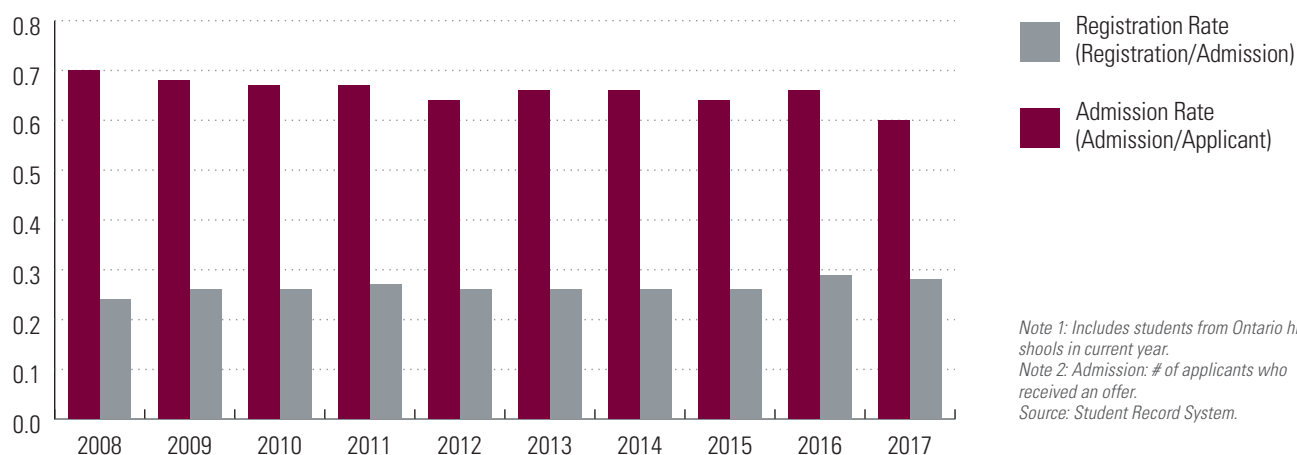
Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/ Applicant)	Confirmation Rate (Confirmation/ Admission)	Registration Rate (Registration/ Admission)
2008	25,443	17,782	4,543	4,331	0.70	0.26	0.24
2009	25,673	17,537	4,697	4,535	0.68	0.27	0.26
2010	25,910	17,471	4,731	4,509	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	4,765	4,592	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	4,975	4,813	0.66	0.27	0.26
2015	27,673	17,628	4,939	4,595	0.64	0.28	0.26
2016	28,079	18,411	5,791	5,403	0.66	0.31	0.29
2017	29,044	17,553	5,280	4,960	0.60	0.30	0.28

Note 1: Includes students from Ontario high schools in current year.

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

Source: Student Record System

Undergraduate Admission and Registration Rates by Year, 2008 2017



In 2017, applications by choice to McMaster increased from 35,218 to 36,238.

New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2008-2017

Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2008	#	6,158	6,520	6,894	11,428	31,000
	%	19.9	21.0	22.2	36.9	100
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	#	7,312	7,346	7,471	11,610	33,739
	%	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	7,368	13,028	35,489
	%	21.2	21.3	20.8	36.7	100
2015	#	7,106	7,334	7,225	12,876	34,541
	%	20.6	21.2	20.9	37.3	100
2016	#	7,095	7,223	7,246	13,654	35,218
	%	20.1	20.5	20.6	38.8	100
2017	#	7,322	7,186	7,226	14,504	36,238
	%	20.2	19.8	19.9	40.0	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.

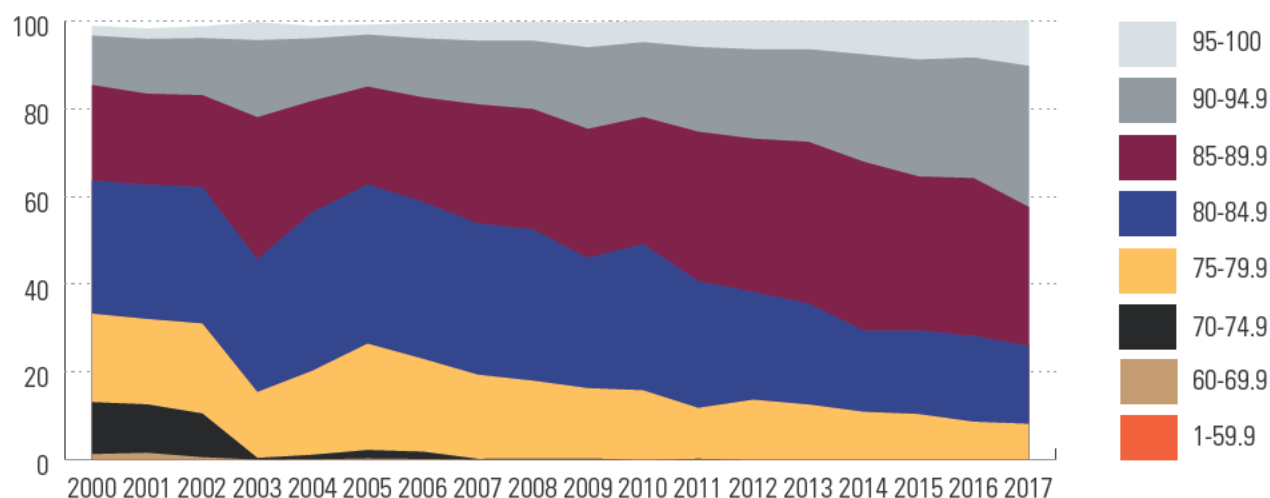
Note 3: Admission: # of applicants who received an offer.

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

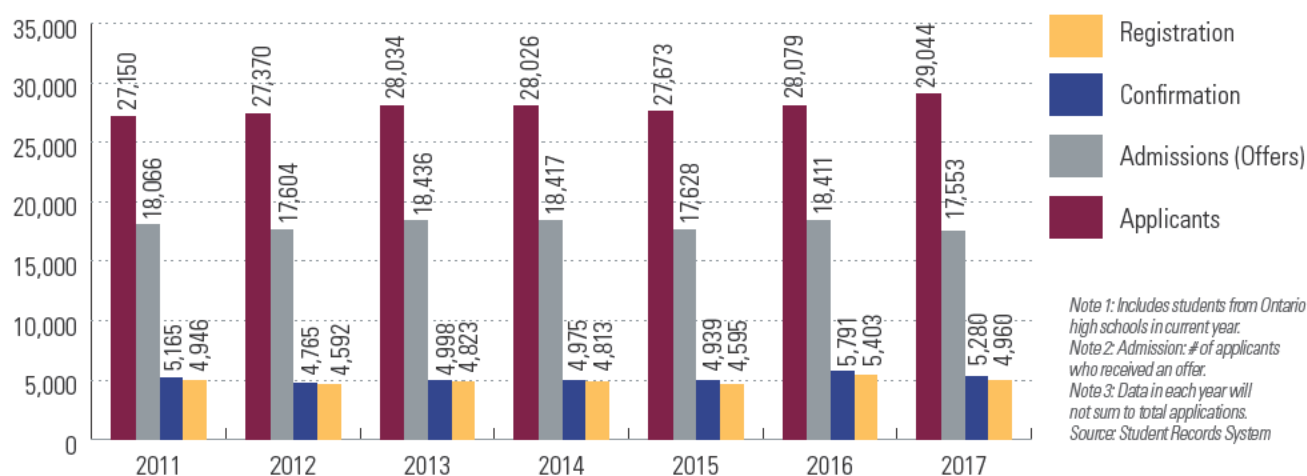
Source: Student Record System.

The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.5% in 2000 to 42.44% in 2017.

Grades of Entering Full-Time Undergraduate Students from Ontario High Schools—University Total, 2000-2017



New Undergraduate Student Applications from Ontario High Schools – University Total



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

Total Undergraduate and Graduate Regular Session (fall only) Headcount Enrolment, 2017-2018 (n=31,843)



- 82% Undergraduate
- 14% Graduate
- 3% Residents
- 1% Divinity College

54%
Female



46%
Male



Note 1: Undergraduate headcount enrolment includes Regular (fall) session as reported to MTCU on each count date.
 Note 2: Total includes undergraduate and graduate Regular (fall) session full-time and part-time headcount enrolment.
 Note 3: Headcount excludes students on co-op work term.
 Note 4: Effective Summer 2015, McMaster's definition of part time student changed from 12 units to 9 units.

Over the last 5 years, undergraduate headcount enrolment has increased 7.0%.

Total Headcount Enrolment and Demographics, 2013-2014 to 2017-2018										
Undergraduate ¹	2013-2014		2014-2015		2015-2016		2016-2017		2017-2018	
	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	22,367	1,205	22,558	1,337	24,473	1,298	25,624	4,127	26,171	4,668
Part-Time	3,134	10,327	3,211	9,767	1,118	9,468	1,156	6,734	1,111	6,906
% Part-Time	12.3	89.6	12.5	88.0	4.4	87.9	4.3	62.0	4.1	59.7
Domestic	23,904	10,631	24,113	10,214	23,917	9,934	24,722	10,069	24,693	10,269
International	1,597	901	1,656	890	1,674	832	2,058	792	2,589	1,305
% International	6.3	7.8	6.4	8.0	6.5	7.7	7.7	7.3	9.5	11.3
Male	11,851	5,160	11,897	4,955	11,746	4,746	12,342	4,716	12,316	4,908
Female	13,650	6,372	13,872	6,149	13,845	6,020	14,438	6,145	14,856	6,666
% Female	53.5	55.3	53.8	55.4	54.1	55.9	53.9	56.6	54.7	57.6
New ³	5,350	5	5,349	8	4,964	12	5,830	4	5,458	9
Continuing/Returning	19,337	11,237	19,676	10,869	20,188	10,667	20,554	10,724	21,277	11,444
% Continuing/Returning	78.3	100.0	78.6	99.9	80.3	99.9	77.9	100.0	79.6	100.0
Live on Campus	3,461		3,438		3,642		3,737		3,623	
Off Campus	22,040		22,331		22,073		23,043		23,659	
% Off Campus	86.4		86.7		85.8		86.0		86.7	
Graduate	2013-2014 Regular Session		2014-2015 Regular Session		2015-2016 Regular Session		2016-2017 Regular Session		2017-2018 Regular Session	
Full-Time	3,408		3,519		3,514		3,712		3,811	
Part-Time	856		829		760		773		750	
% Part-Time	20		19.1		17.8		17.2		16.4	
Domestic	3,443		3,431		3,402		3,501		3,432	
International	821		917		872		984		1,129	
% International	19.3		21.1		20.4		21.9		24.8	
Male	2,158		2,211		2,057		2,145		2,190	
Female	2,106		2,137		2,217		2,340		2,369	
% Female	49.4		49.1		51.9		52.2		52.0	
Diploma/Certificate	99		68		78		134		142	
Master's	2,662		2,759		2,768		2,907		2,960	
Doctoral	1,503		1,521		1,428		1,444.0		1,459	
% Doctoral	35.2		35.0		33.4		134		32.0	
University Total ⁴	29,765		30,117		29,865		31,265		31,843	

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.

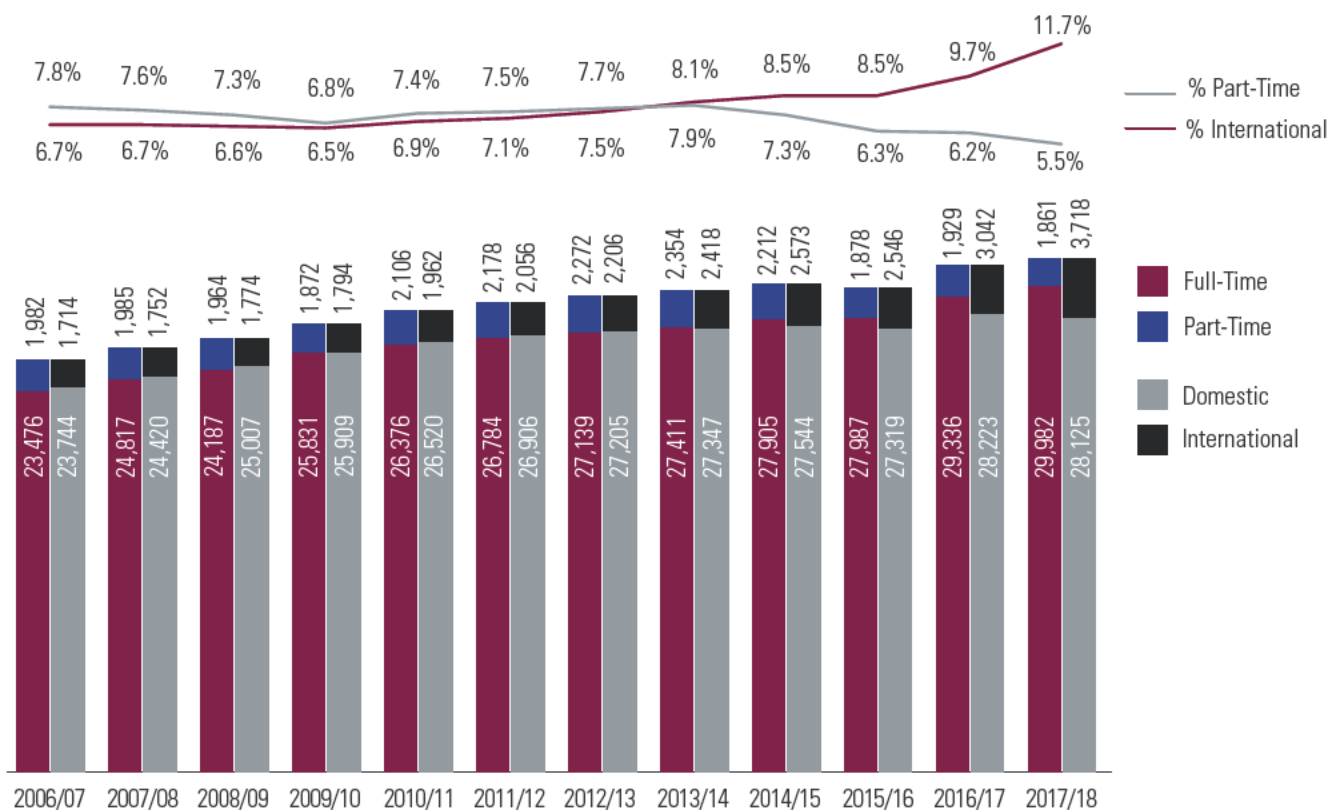
Note 5: Headcount excludes students on co-op work term.

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 2017, 11.7% of all McMaster students were international, represented by 113 countries.

Total Headcount Enrolment with Percentage of Part-Time Students and International Students, 2006-2017³



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

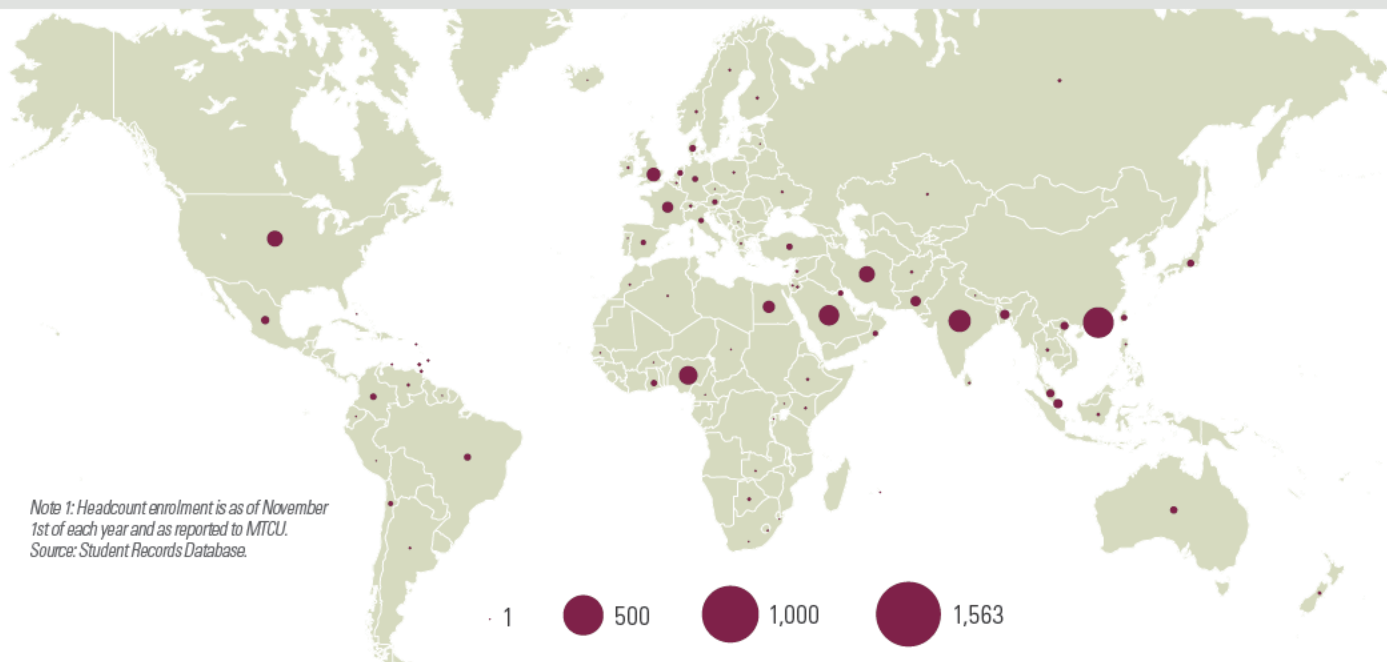
Note 2: Headcount enrolment excludes students on co op work term.

Note 3: The definition of part-time students changed from 12 units to 9 units per 4-month term effective summer 2015. The full-time and part-time numbers in the chart have been restated using the new definition of part-time students for all years in order to show a trend line. As a result, the previous years' restated part-time and full-time data in the chart will differ from the other data tables and official enrolment data with part-time and full-time breakdown.

Source: Student Records Database

International Students Country of Origin

The majority of international students are from China (61.2%), India (6.04%), Saudi Arabia (3.9%), Iran (3.3%) and Nigeria (2.6%).



Fall 2017 full-time headcount consisted of 26,171 undergraduate and 3,811 graduate students, totaling 29,982.



Undergraduate Enrolment and Demographics, 2017-2018

Undergraduate	Level	FFTE¹	Headcount²			Level		Gender		Geographic Origin		
		Enrol- ment	Full- Time	Part- Time	Total	Degree Seeking	Non- Degree Seeking	Female	Male	Ontario	Outside Ontario	Internat- ional
Business	1	975	971	9	980	980		446	530	716	14	250
	2	837.3	819	1	820	820		347	472	680	7	133
	3	627.4	646	2	648	648		252	394	512	7	129
	4	538.4	564	39	603	603		275	328	544	4	55
	Other⁵	5.5	7	4	11		11	6	5	9		2
	Total	2,983.6	3007	55	3062	3051	11	1,326	1,729	2461	32	569
Engineering³												
Engineering (Excluding Computer Science, Engineering Technology)	1	953.6	930	14	944	944		226	714	742	24	178
	2	1,033.7	1,062	5	1,067	1,067		235	832	849	21	197
	3	775.7	830	6	836	836		169	663	719	17	100
	4	764.1	862	32	894	894		188	706	785	16	93
	5	175.1	202	8	210	210		45	165	199	3	8
	Other	6.4	9	2	11	8	3	2	9	3		8
	Total	3,708.6	3,895	67	3,962	3,959	3	865	3,089	3,297	81	584
Computer Science	1	43.6	42	1	43	43		8	35	24		19
	2	53.2	56	1	57	57		8	49	47	1	9
	3	58.7	62	4	66	66		17	49	59	1	6
	4	46.3	50	5	55	55		11	44	50		5
	Total	201.8	210	11	221	221		44	177	180	2	39
Engineering Technology	1	225.0	223	6	229	229		36	191	180	7	42
	2	216.4	236	4	240	240		44	196	200		40
	3	221.1	273	106	379	379		57	304	347	6	26
	4	304.8	374	106	480	480		59	421	437	17	26
	Total	967.3	1,106	222	1,328	1,328		196	1,112	1,164	30	134
Engineering Total		4,877.7	5,211	300	5,511	5,508	3	1,105	4,378	4,641	113	757

Part-time enrolment was made up of 1,111 undergraduate and 750 graduate students (Fall 2017).

Female undergraduate students represented 54.0% of total undergraduate enrolment in Fall 2017.

Undergraduate Enrolment and Demographics, 2017 2018 (continued)												
Undergraduate	Level	FFTE¹	Headcount²			Level		Gender		Geographic Origin		
		Enrol-ment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Health Sciences⁴												
Bachelor of Health Sciences	1	284.4	261		261	261		172	85	230	29	2
	2	312	299	1	300	300		192	108	283	15	2
	3	268.4	262	4	266	266		153	113	248	17	1
	4	202.9	204	4	208	208		119	88	191	16	1
	Other	5.8	2	14	16	1	15	10	6	15		1
	Total	1,073.5	1,028	23	1,051	1,036	15	646	400	7	967	77
School of Medicine	1	204	204		204	204		106	98	189	15	
	2	205	205		205	205		117	88	194	11	
	3	204.5	205		205	205		102	103	195	10	
	Total	613.5	614		614	614		325	289	578	36	
Midwifery	1	21.8	30		30	30		27		25	5	
	2	24	27		27	27		27		23	4	
	3	33.7	37		37	37		37		24	13	
	4	26.6	27		27	27		27		23	4	
	Total	106.1	121	0	121	121		118		95	26	
Nursing	1	124.2	123		123	123		112	8	123		
	2	131.9	124	1	125	125		113	12	124		1
	3	242.4	204	2	206	206		178	24	202	2	2
	4	187.7	216	6	222	222		204	18	212	4	6
	Total	686.2	667	9	676	676		607	62	661	6	9
Collaborative Nursing	1	198	200	1	201	201		177	24	201		
	2	407	374	6	380	380		335	45	379		1
	3	355.5	317	79	396	396		340	56	396		
	4	260.6	329	18	347	347		314	33	347		
	Total	1221.1	1220	104	1324	1324		1166	158	1323		1
Residents	Other	1086.2	1088		1088		1088	544	540	636	264	188
	Total	1086.2	1088		1088		1088	544	540	636	264	188
Health Sciences Total		4,786.6	4,738	136	4,874	3,771	1,103	3,406	1,449	4,260	409	205

The Faculty of Business has the highest percentage of international students (18.6%).

Students from Ontario represent 87.6% of total undergraduate enrolment in Fall 2017.

Undergraduate Enrolment and Demographics, 2017-2018 (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	529.8	548	16	564	564		384	174	509	14	41
	2	571.9	587	19	606	606		383	218	571	8	27
	3	521.9	535	36	571	571		403	163	535	7	29
	4	431.9	463	45	508	508		355	153	488	7	13
	Other ⁵	12.1	10	13	23	2	21	16	7	20	1	2
	Total	2067.6	2143	129	2272	2251	21	1541	715	2123	37	112
Science	1	1912.7	1872	11	1883	1883		1160	718	1637	36	210
	2	1898.1	1835	7	1842	1842		1182	658	1663	35	144
	3	1529.3	1546	24	1570	1570		995	573	1442	21	107
	4	1398.3	1471	39	1510	1510		973	537	1439	15	56
	5	47.7	17	1	18	18		11	7	17	1	
	Other	46.6	44	35	79	2	77	39	40	74		5
	Total	6832.7	6785	117	6902	6825	77	4360	2533	6272	108	522
Social Sciences	1	1135.6	1176	33	1209	1209		811	386	1020	27	162
	2	1045.7	1059	40	1099	1099		748	341	981	19	99
	3	967	1012	87	1099	1099		734	362	1008	16	75
	4	614.8	680	59	739	739		545	192	696	9	34
	Other	23.1	22	24	46	1	45	30	14	41	3	2
	Total	3786.2	3949	243	4192	4147	45	2868	1295	3746	74	372
Arts & Science	1	63.9	62		62	62		43	19	57	5	
	2	76.8	75		75	75		53	22	68	7	
	3	67.2	67		67	67		54	13	64	3	
	4	64	68	2	70	70		51	18	64	6	
	Other	2.6	3	1	4		4	2	2	4		
	Total	274.5	275	3	278	274	4	203	74	257	21	
Divinity College	1	35.6	27	22	49	49		13	36	42	1	6
	2	32.4	18	20	38	38		8	30	24	1	13
	3	8	2	15	17	17		5	12	13		4
	4	1.9		11	11	11		4	7	5		6
	5	1.6		16	16	16		1	15	4	1	11
	Other	34	16	44	60	45	15	16	43	46	2	12
	Total	113.5	63	128	191	176	15	47	143	134	5	52
University Total	1	6,707.2	6,669	113	6,782	6,782		3,721	3,018	5,695	177	910
	2	6,845.4	6,776	105	6,881	6,881		3,792	3,071	6,086	129	666
	3	5,880.8	5,998	365	6,363	6,363		3,496	2,829	5,764	120	479
	4	4,842.2	5,308	366	5,674	5,674		3,125	2,545	5,281	98	295
	5	224.4	219	25	244	244		57	187	220	5	19
	Other	1,222.3	1,201	137	1,338	59	1,279	665	666	848	270	220
Total		25,722.4	26,171	1,111	27,282	26,003	1,279	14,856	12,316	23,894	799	2,589

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2017-2018. 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, 2017 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.

Note 6: Excludes Other students (Other includes unknown/undeclared.)

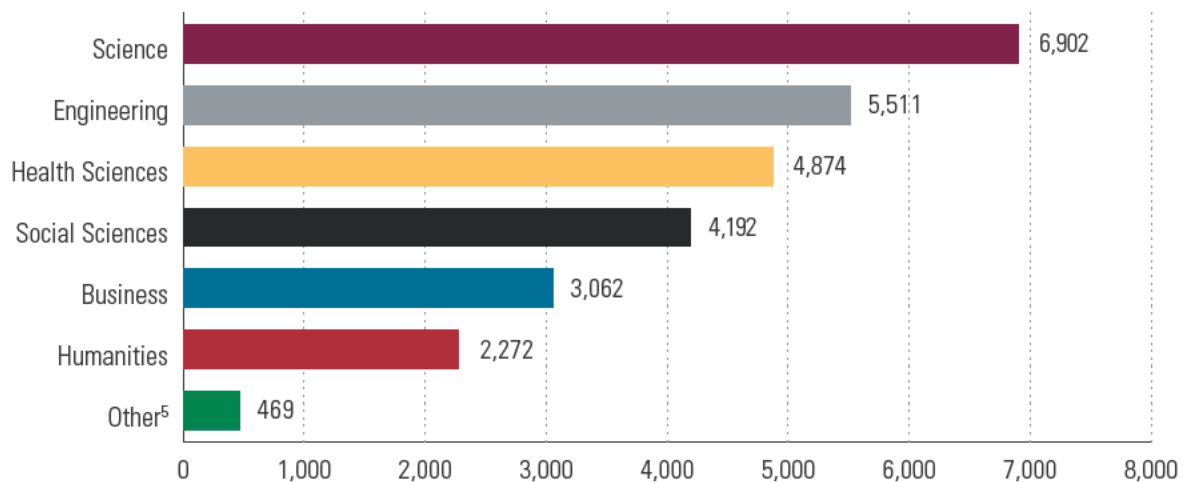
Source: Student Record Database



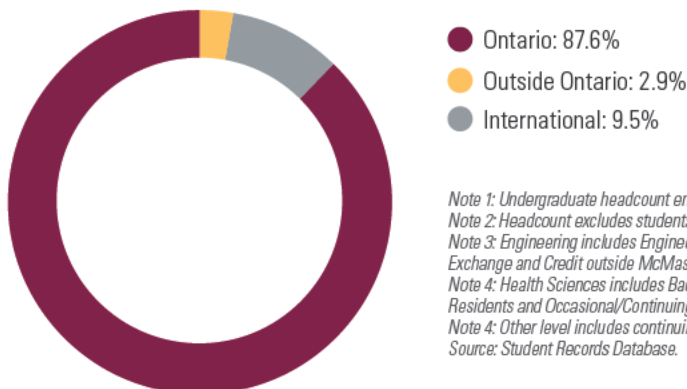
25% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 20% in Engineering and 18% in Health Sciences.

In Fall 2017, international students made up 9.5% of undergraduate student headcount enrolment.

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2017-2018 (n=27,282)



Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2017-2018 (n=27,282)



Note 1: Undergraduate headcount enrolment is as of November 1, 2017 and as reported to MTCU

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

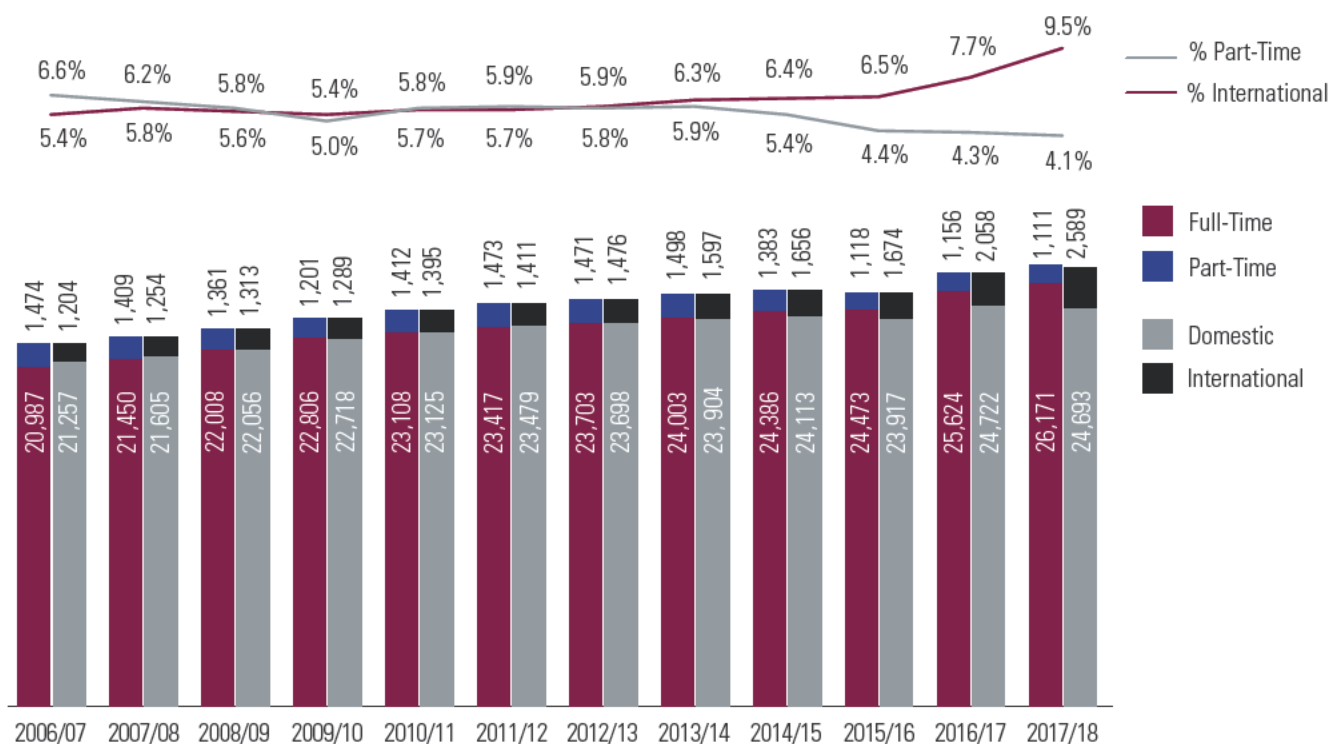
Note 3: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)

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, 2006-2017³



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

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 6.6 (using new part-time definition) in 2006-2007 to 4.1 in 2017-2018.

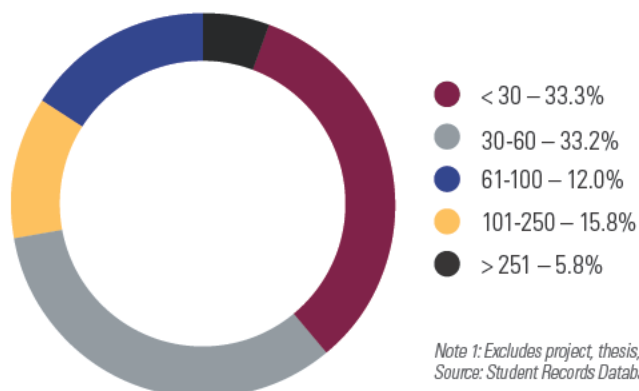
Undergraduate Class Size by Year Level, Fall 2017

Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
<30	34	14.7	76	18.9	151	33.1	212	64.0
30 – 60	60	25.9	124	30.8	194	42.5	94	28.4
61 – 100	29	12.5	72	17.9	54	11.8	15	4.5
101 – 250	64	27.6	99	24.6	52	11.4	9	2.7
>251	45	19.4	31	7.7	5	1.1	1	0.3
Total	232	100.0	402	100.0	456	100.0	331	100.0

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

66.5% of undergraduate classes are between 0-60 students.

Undergraduate Class Size, Fall 2017 (n=1,421)



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 2017

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, 2017-2018

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	82.3	81	1	82	82		70	12	82		
	2	191.1	167	3	170	170		147	23	169		1
	3	181.8	164	42	206	206		172	34	206		
	4	127.1	162	8	170	170		156	14	170		
	Total	582.3	574	54	628	628	0	545	83	627		1
Conestoga Nursing	1	115.7	119	0	119	119		107	12	119		
	2	215.9	207	3	210	210		188	22	210		
	3	173.7	153	37	190	190		168	22	190		
	4	133.5	167	10	177	177		158	19	177		
	Total	638.8	646	50	696	696	0	621	75	696	0	0
Medical Radiation Science (Mohawk)	1	109.6	107		107	107		92	15	102	4	1
	2	158.6	110	1	111	111		96	15	106	2	3
	3	134.1	98	1	99	99		86	13	94	4	1
	4	111.6	111		111	111		88	23	109	2	
	Total	513.9	426	2	428	428	0	362	66	411	12	5
Bachelor of Technology (Mohawk)	1	225	223	6	229	229		38	191	180	7	42
	2	216.4	236	4	240	240		44	196	200		40
	3	72.6	144	1	145	145		26	119	129		16
	4	226.8	301	4	305	305		38	267	281	3	21
	Total	740.8	904	15	919	919	0	146	773	790	10	119
Total Collaborative Programs		2,475.8	2,550	121	2,671	2,671	0	1,671	997	2,524	22	125

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2017-2018. 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, 2017 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.

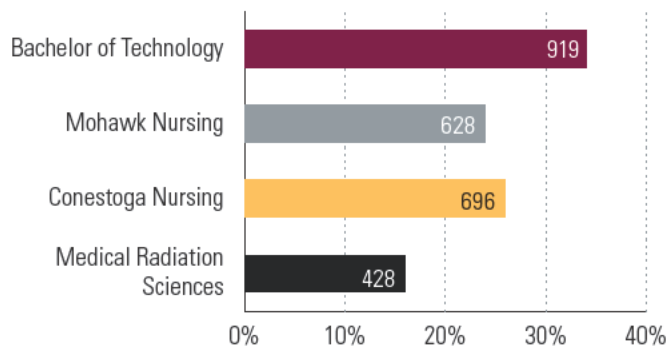
Source: Student Record Database

In 2017, four McMaster graduate students were named Vanier Scholars and one McMaster graduate student was named a Banting Fellow.

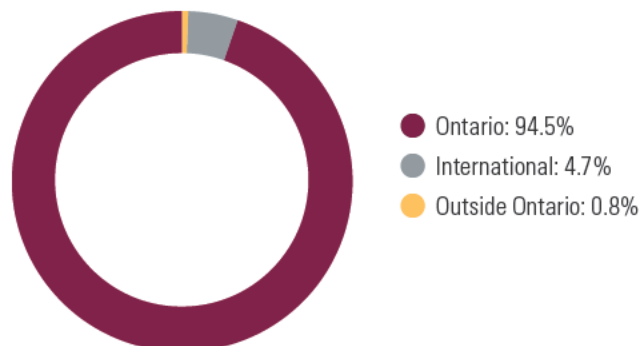


The Faculty of Engineering has the highest percentage of international graduate students (57.4%)

Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2017-2018 (n=2,671)



Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2017-2018 (n=2,671)



Note 1: Undergraduate headcount enrolment is as of November 1, 2017 and as reported to MTCU.
 Note 2: Headcount excludes students on co-op work term.
 Source: Student Record Database

The Faculty of Humanities has the highest percentage of domestic graduate students from outside Ontario in Fall 2017 (13.25%).

Graduate Enrolment and Demographics, 2017-2018

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	599.5	562	125	687	598	72	17	313	374	394	29	264
	Total	599.5	562	125	687	598	72	17	313	374	394	29	264
Engineering	Chemical Engineering	82.3	82	1	83	32	51		24	59	35	4	44
	Civil Engineering	79.7	77	9	86	34	52		23	63	39	2	45
	Computing & Software	118.0	115	10	125	74	51		25	100	73	4	48
	Electrical & Computer Engineering	152.7	150	9	159	83	76		38	121	58	2	99
	Engineering Physics	59.8	58	6	64	34	29	1	10	54	43	3	18
	Faculty of Engineering - Exchange	32.0	32		32			32	7	25			32
	Materials Science & Engineering	67.3	67	1	68	39	29		23	45	27		41
	Mechanical Engineering	125.5	124	5	129	59	70		26	103	38	4	87
	School of Engineering Practice	142.1	134	27	161	161			55	106	52	2	107
	Total	859.4	839	68	907	516	358	33	231	676	365	21	521
Health Sciences	Biochemistry and Biomedical Sciences	142.0	142		142	65	77		65	77	123	4	15
	Chemical Biology	1.0	1		1		1		1		1		
	Child Life Studies	27.9	24	13	37	37			36	1	31	5	1
	Clinical Behavioural Studies	3.6		12	12			12	9	3	12		
	Faculty of Health Sciences	10.4	8	8	16			16	13	3	7		9
	Health Policy	1.0	1		1		1			1	1		
	Health Research Methodology	151.5	123	95	218	102	76	40	125	93	161	22	35
	Health Research Methods, Evidence, and Impact	45.9	42	13	55	55			43	12	48	4	3
	Health Science Education	39.2	23	54	77	77			53	24	61	12	4
	Medical Sciences	155.6	155	2	157	90	67		94	63	138	5	14
	Nursing	77.3	68	31	99	75	22	2	92	7	99		
	Occupational Therapy	122.0	122		122	122			106	16	108	14	
	Physiotherapy	125.0	125		125	125			79	46	118	6	1
	Rehabilitation Science	93.7	76	59	135	98	37		109	26	101	22	12
	Total	996.1	910	287	1197	846	281	70	825	372	1009	94	94

Health Sciences had the largest graduate student headcount enrolment in 2017-2018, with 1,197 students.

Graduate Enrolment and Demographics, 2017-2018 (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	14.0	14		14	4	10		9	5	9	5	
	Communication Studies and Multimedia	35.3	17	61	78	74	4		58	20	66	7	5
	English and Cultural Studies	93.3	93	1	94	31	63		69	25	67	18	9
	French	16.0	16		16	4	12		13	3	11	2	3
	Gender Studies and Feminist Research	10.0	10		10	10			9	1	8	1	1
	History	48.9	48	3	51	19	32		26	25	45	2	4
	Linguistics and Languages	18.0	18		18	5	13		9	9	10	5	3
	Philosophy	49.6	49	2	51	21	30		12	39	45	4	2
	Linguistics and Languages	21.0	21		21	5	16		13	8	15	4	2
	Philosophy	51.3	51	1	52	25	27		15	37	45	4	3
	Total	285.1	265	67	332	168	164	0	205	127	261	44	27
Science	Biology	77.3	77	1	78	43	35		44	34	54	4	20
	Chemistry	73.0	73		73	23	50		31	42	52	1	20
	Faculty of Science - Exchange	14.0	14		14			14	7	7	1		13
	Geography & Earth Sciences	78.3	75	11	86	40	46		45	41	69	3	14
	Kinesiology	43.9	43	3	46	30	16		28	18	46		
	Mathematics & Statistics	76.0	76		76	46	30		24	52	42	2	32
	Medical Physics & Applied Radiation Science	27.5	26	5	31	23	8		14	17	24	1	6
	Physics & Astronomy	62.0	62		62	22	40		10	52	38	8	16
	Psychology, Neuroscience & Behaviour	96.0	96		96	34	62		64	32	85	5	6
	Total	548.0	542	20	562	261	287	14	267	295	411	24	127
Social Sciences	Anthropology	37.0	37		37	16	21		29	8	24	11	2
	Economics	48.6	48	2	50	22	28		12	38	41	5	4
	Faculty of Social Sciences	4.0	4		4			4	4				4
	Health, Aging and Society	14.3	14	1	15	5	10		15		14		1
	Labour Studies	15.3	15	1	16	13	3		10	6	15	1	
	Political Science	62.3	62	1	63	33	30		36	27	53	6	4
	Religious Studies	35.3	35	1	36	9	27		6	30	24	5	7
	Social Work	47.0	44	10	54	28	24	2	44	10	50	3	1
	Sociology	43.0	43		43	17	26		29	14	38	2	3
	Total	306.8	302	16	318	143	169	6	185	133	259	33	26

52% of graduate students were female (Fall 2017).

Graduate Enrolment and Demographics, 2017-2018 (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	30.0	30		30	12	18		16	14	23	2	5
	e-Health	84.9	75	33	108	108			56	52	96	3	9
	Global Health	88.0	88		88	88			73	15	67	17	4
	Globalization	19.3	19	1	20	20			12	8	18		2
	Health Management	39		130	130	130			96	34	99	28	3
	Health Policy	36.0	36		36		36		18	18	24		12
	Neuroscience	48.3	48	1	49	22	27		34	15	46	2	1
	School of Biomedical Engineering	60.0	60		60	32	28		28	32	44	2	14
	School of Computational Science & Engineering	34.3	34	1	35	16	19		9	26	14	1	20
	Total	441.1	391	167	558	428	128	2	344	214	432	56	70
University Total	Business	599.5	562	125	687	598	72	17	313	374	394	29	264
	Engineering	859.4	839	68	907	516	358	33	231	676	365	21	521
	Health Sciences	996.1	910	287	1197	846	281	70	825	372	1009	94	94
	Humanities	285.1	265	67	332	168	164	0	205	127	261	44	27
	Science	548.0	542	20	562	261	287	14	267	295	411	24	127
	Social Sciences	306.8	302	16	318	143	169	6	185	133	259	33	26
	Interdisciplinary	441.1	391	167	558	428	128	2	344	214	432	56	70
Grand Total		4036.0	3811	750	4,561	2,960	1,459	142	2,370	2,191	3,131	301	1129

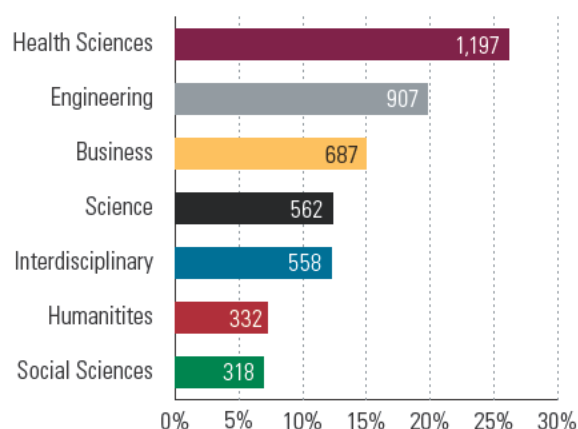
Note 1: Graduate headcount enrolment is as of November 1, 2017 and as reported to MTCU.

Note 2: Excludes Other students (Other includes unknown/undeclared.)

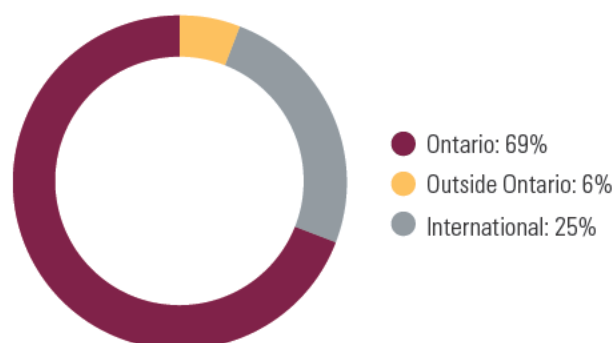
Source: Student Record Database

Graduate headcount enrolment comprised 14.3% of total enrolment in 2017-2018.

Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2017-2018 (n=4,561)



Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2017-2018 (n=4,561)



Note 1: FTE enrolment is as of November 1, 2017 and as reported to MTCU.

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

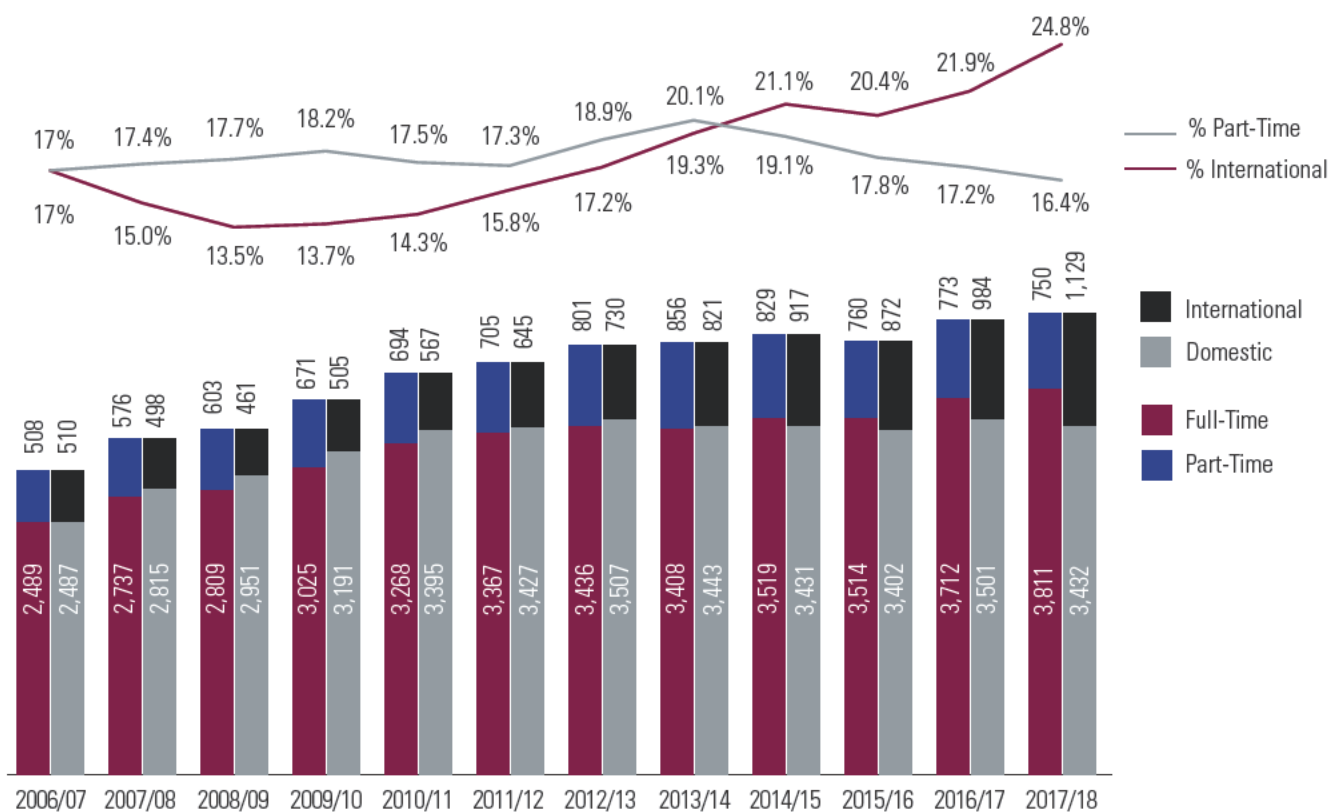
Note 2: Graduate headcount enrolment is as of November 1, 2017 and as reported to MTCU.

Source: Student Records Database

In Fall 2017, international graduate students represented 24.8% of the graduate student body.



Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2006-2017



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

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 65.5 per cent (2017/18 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 2017-2018, McMaster University had over 1,100 student athletes.

Student Athletes by Gender, 2017-2018 (n=1,131)

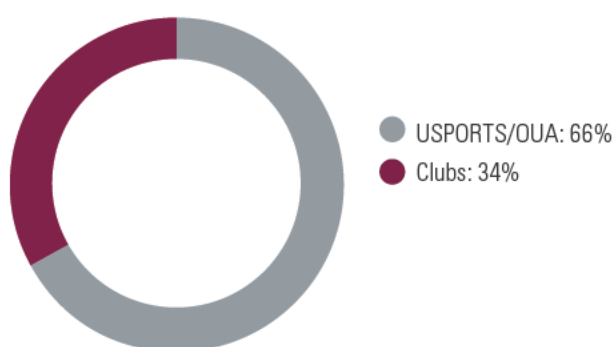


Note 1: USPORTS = U Sports, OUA = Ontario University Athletics, OIWFA = Ontario Intercollegiate Women's Fastpitch Association
Note 2: Excludes junior varsity roster team. Note: All OUA sports are also USPORTS sports.
Note: In October 2016, Canadian Interuniversity Sport (CIS) rebranded to "U Sports"
Source: Athletics and Recreation database

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

McMaster received OUA Silver medals, in Woman's Basketball, Badminton and Volleyball, as well as Men's Cross-Country and Wrestling.

Student Athletes by Organization, 2017-2018 (n=1,107)



Men's Volleyball were OUA Champions for the 6th consecutive time, as well as winning a USPORTS Bronze medal, their 6th consecutive national medal.

OUA Bronze medals were won by Men's and Women's Rugby and Women's Swimming, while Men's Rugby also won Bronze at the Canadian University Championship.

Student Athletes by Sport, 2013 2017

Sport		2013			2014			2015			2016			2017		
		Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
USPORTS	Basketball	15	31	48.4	14	29	48.3	16	37	43.2	15	34	44.1	15	30	50.0
	Cross-Country	17	42	40.5	18	42	42.9	15	34	44.1	18	42	42.9	17	42	40.5
	Football		98			103			90			95			97	
	Rugby – Female	33	33	100.0	41	41	100.0	33	33	100.0	31	31	100.0	27	27	100.0
	Swimming	28	55	50.9	23	48	47.9	22	51	43.1	21	43	48.8	26	47	55.3
	Soccer	26	52	50.0	27	60	45.0	34	66	51.5	31	70	44.3	32	69	46.4
	Volleyball	17	32	53.1	16	34	47.1	17	35	48.6	16	34	47.1	17	35	48.6
	Wrestling	11	26	42.3	12	36	33.3	7	28	25.0	6	36	16.7	8	24	33.3
	Total	147	369	39.8	151	393	38.4	144	374	38.5	138	385	35.8	142	371	38.3
OUA ¹	Badminton	11	23	47.8	10	21	47.6	6	14	42.9	7	18	38.9	9	22	40.9
	Baseball		21			24			30			35			28	
	Golf	5	13	38.5	4	18	22.2	1	12	8.3	2	14	14.3	5	17	29.4
	Fencing	42	83	50.6	23	54	42.6	17	51	33.3	24	66	36.4	37	88	42.0
	Lacrosse – Female	25	25	100.0	21	21	100.0	20	20	100.0	23	23	100.0	20	20	100.0
	Rowing	50	91	54.9	46	86	53.5	37	73	50.7	28	69	40.6	29	61	47.5
	Rugby – Male		65			63			56			63			57	
	Squash	9	21	42.9	9	16	56.3	10	22	45.5	9	24	37.5	6	19	31.6
	Tennis	21	31	67.7	19	28	67.9	14	25	56.0	8	21	38.1	8	22	36.4
	Water Polo	13	26	50.0	16	34	47.1	15	33	45.5	12	20	60.0	16	36	44.4
	Total	176	399	44.1	148	365	40.5	120	336	35.7	113	353	32.0	130	370	35.1
Clubs	Cheerleading	35	41	85.4	37	38	97.4	31	32	96.9	31	31	100.0	26	26	100.0
	Cricket															
	Cycling															
	Curling	8	8	100.0	6	11	54.5	8	13	61.5	9	14	64.3	11	16	68.8
	Dance				51	51	100.0									
	Fastpitch	16	16	100.0	13	13	100.0	13	13	100.0	13	13	100.0			
	Field Hockey	26	26	100.0	23	23	100.0	23	23	100.0	20	20	100.0	17	17	100.0
	Figure Skating	19	20	95.0	26	26	100.0	39	40	97.5	18	20	90.0	31	31	100.0
	Football – Female	137	137	100.0	171	171	100.0	136	136	100.0	96	96	100.0	108	108	100.0
	Gymnastics	21	24	87.5	34	34	100.0	17	21	81.0						
	Ice Hockey – Female	17	17	100.0	16	16	100.0	18	18	100.0	17	17	100.0	19	19	100.0
	Lacrosse – Male		26			27			26			26			28	
	Life Guarding	6	10	60.0				4	4		3	5	60.0	19	27	70.4
	Ice Hockey – Male		38			54			33			40			43	
	Synchro Swim	16	16	100.0	12	12	100.0	15	15	100.0	20	20	100.0	12	12	100.0
	Ultimate Frisbee	20	40	50.0	19	60	31.7	17	59	28.8	22	67	32.8	27	63	42.9
	Total	321	419	76.6	408	536	76.1	321	433	74.1	249	369	67.5	270	390	69.2
Grand Total		644	1,187	54.3	707	1,294	54.6	585	1,143	51.2	500	1107	45.2	542	1,131	47.9

Note 1: USPORTS = U Sports, OUA = Ontario University Athletics, OIWFA = Ontario Intercollegiate Women's Fastpitch Association

Note 2: Excludes junior varsity roster team.

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

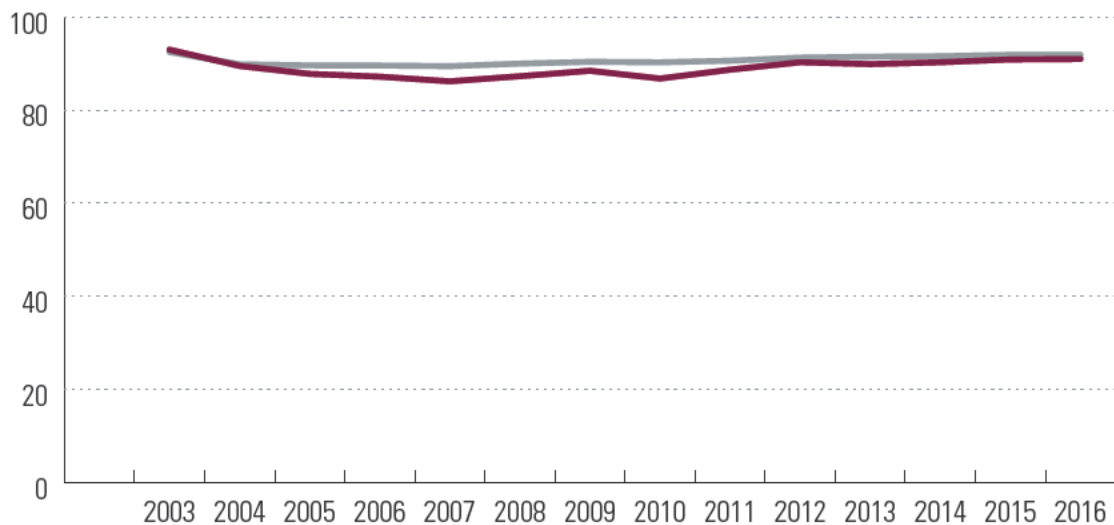


Approximately 91% of first-time, full-time, baccalaureate degree-seeking students of the 2016 entering cohort continued to second year.

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 – 2013 to 2017 Entering Cohort					
Total	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	5,193	5,182	4,950	5,813	5,443
% Continued to 2nd Year	89.9	90.3	90.9	91.0	
% Continued to 3rd Year	86.0	86.5	87.2		
% Continued to 4th Year	78.6	79.2			
% Continued to 5th Year	34.0				
Female	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	2,725	2,778	2,674	3,069	2,972
% Continued to 2nd Year	90.9	91.6	91.7	92.1	
% Continued to 3rd Year	87.3	87.9	88.3		
% Continued to 4th Year	80.3	81.5			
% Continued to 5th Year	26.1				
Male	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	2,468	2,404	2,276	2,744	2,444
% Continued to 2nd Year	88.9	88.8	90.0	89.7	
% Continued to 3rd Year	84.6	84.9	85.9		
% Continued to 4th Year	76.9	76.4			
% Continued to 5th Year	42.7				
Domestic	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	4,861	4,815	4,600	5,206	4,765
% Continued to 2nd Year	90.3	91.0	91.5	91.1	
% Continued to 3rd Year	86.4	87.3	87.8		
% Continued to 4th Year	78.9	79.8			
% Continued to 5th Year	34.1				
International	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	332	367	350	607	678
% Continued to 2nd Year	84.0	80.9	83.4	89.6	
% Continued to 3rd Year	80.1	75.8	79.1		
% Continued to 4th Year	75.6	71.4			
% Continued to 5th Year	31.9				
Total G6 ³ , Including McMaster	2013	2014	2015	2016	2017
Entering Cohort Headcount ²	37,267	37,521	38,327	38,327	N/A
% Continued to 2nd Year	91.5	91.6	91.9	91.9	
% Continued to 3rd Year	86.1	86.5	86.6		
% Continued to 4th Year	N/A	N/A			
% Continued to 5th Year	31.6				

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 2017 lists N/A, as the entering cohort headcount is always one year behind.

Source: Student Records Database, CSRDE

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

Graduation Rates¹ of First Time, Full Time, Baccalaureate Degree Seeking Students – 2009 Cohort to 2013 Cohort

Total	2009	2010	2011	2012	2013
Cohort Headcount	4,832	4,833	5,337	4,940	5,193
% Graduated in 4 Years	53.6	51.7	51.6	50.5	49.2
% Graduated in 5 Years	73.8	72.0	72.6	74.3	
% Graduated in 6 Years	78.9	77.5	79.0		
% Graduated in 7 Years	80.5	78.9			
% Graduated in 8 Years	81.0				
Female	2009	2010	2011	2012	2013
Cohort Headcount	2,620	2,521	2,759	2,638	2,725
% Graduated in 4 Years	63.9	63.3	64.6	61.4	59.3
% Graduated in 5 Years	79.5	78.1	80.5	80.0	
% Graduated in 6 Years	82.5	81.6	83.8		
% Graduated in 7 Years	83.3	82.3			
% Graduated in 8 Years	83.6				
Male	2009	2010	2011	2012	2013
Cohort Headcount	2,212	2,312	2,578	2,302	2,468
% Graduated in 4 Years	41.4	39.1	37.7	38.0	37.9
% Graduated in 5 Years	67.0	65.4	64.2	67.7	
% Graduated in 6 Years	74.5	73.1	73.9		
% Graduated in 7 Years	77.1	75.2			
% Graduated in 8 Years	78.0				
Domestic	2009	2010	2011	2012	2013
Cohort Headcount	4,588	4,540	4,984	4,598	4,861
% Graduated in 4 Years	54.0	52.0	52.0	50.2	49.4
% Graduated in 5 Years	74.3	72.4	73.4	74.5	
% Graduated in 6 Years	79.4	78.1	79.6		
% Graduated in 7 Years	80.9	79.4			
% Graduated in 8 Years	81.5				
International	2009	2010	2011	2012	2013
Cohort Headcount	244	293	353	342	332
% Graduated in 4 Years	45.1	47.8	45.9	53.8	45.2
% Graduated in 5 Years	64.8	66.2	62.3	71.6	
% Graduated in 6 Years	69.3	70.0	71.1		
% Graduated in 7 Years	72.1	71.7			
% Graduated in 8 Years	72.5				
Total G6 ² , Including McMaster	2009	2010	2011	2012	2013
Cohort Headcount	34,191	34,545	35,488	36,438	37,040
% Graduated in 4 Years	49.2	44.2	50.1	49.6	50.1
% Graduated in 5 Years	71.2	71.5	71.5	72.2	
% Graduated in 6 Years	76.6	76.9	77.3		
% Graduated in 7 Years	78.6	78.7			
% 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.

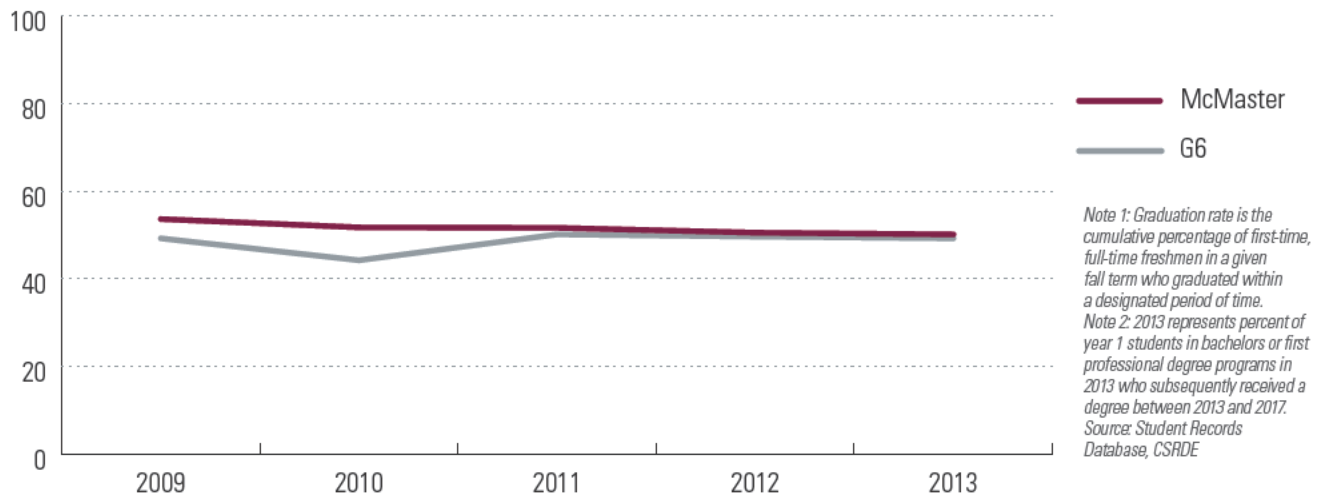
Note 2: G6 consists of McMaster and Ontario peers.

Source: Student Records Database, CSRDE

Based on the 2007 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 2011 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress		Promoted	
		#	%	Median Yrs	#	%	Median Yrs	#	%	#	%
Business	232	210	90.5	2.3	16	6.9	1.0	6	2.6		
Engineering	237	182	76.8	2.0	27	11.4	1.0	2	0.8	26	11.0
Health Sciences	177	127	71.8	2.0	22	12.4	1.3	4	2.3	24	13.6
Humanities	122	115	94.3	1.0	3	2.5	2.0	3	2.5	1	0.8
Interdisciplinary	123	101	82.1	2.0	11	8.9	1.0	1	0.8	10	8.1
Science	161	113	70.2	2.0	16	9.9	0.7	1	0.6	31	19.3
Social Sciences	149	142	95.3	1.0	5	3.4	1.0	1	0.7	1	0.7
Total	1201	990	82.4	2.0	100	8.3	1.3	18	1.5	93	7.7

Progression of 2007 Doctoral Cohort after 9 years									
Faculty	Total #	Completed			Withdrawn			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	11	10	90.9	5.7	1	9.1	1.7		
Engineering	48	40	83.3	4.7	7	14.6	1.7	1	2.1
Health Sciences	67	53	79.1	4.7	14	20.9	3.0		
Humanities	28	14	50.0	5.3	14	50.0	4.5		
Interdisciplinary	6	5	83.3	5.0	1	16.7	1.0		
Science	64	52	81.3	4.3	12	18.8	3.7		
Social Sciences	25	17	68.0	6.0	8	32.0	5.0		
Total	264	201	76.1	5.0	62	23.5	3.2	1	0.4

Progression of 2011 Doctoral Cohort after 5 years									
Faculty	Total #	Completed			Withdrawn			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	180	67.9	202	71.1	221	77.8	201	76.1
In Progress	2	0.8	4	1.4	2	0.7	1	0.4
Withdrawn	61	23.0	59	20.8	61	21.5	62	23.5
Total	243	100.0	265	100.0	284	100.0	264	100.0

Source: Graduate Studies and Student Records Database

From 2013 to 2017, the number of undergraduate and graduate degrees awarded increased 5.1% overall.

Based on the 2007 doctoral cohort study, students graduating from a PhD program at McMaster took an average of 5.0 years (median) to complete their studies.

Degrees Awarded¹, 2013-2017

Faculty/Degree		2013			2014			2015			2016				2017			
		F	M	All	F	M	All	F	M	All	O	F	M	All	O	F	M	All
Business	Bachelor	198	244	442	194	223	417	231	273	504		197	253	450		239	316	555
	First Professional								1	1								
	Master's	77	117	194	99	143	242	114	192	306		111	147	258		139	150	289
	Doctoral	1	10	11		8	8	5	7	12		3	6	9		3	7	10
	Grad. Cert. & Diploma				23	31	54	27	31	58								
	Total	276	371	647	316	405	721	377	504	881		311	406	717		381	473	854
Engineering	Bachelor	122	653	775	107	665	772	128	748	876		148	742	890		172	807	979
	Master's	63	190	253	64	147	211	67	171	238		53	158	211		52	160	212
	Doctoral	8	33	41	14	33	47	9	46	55		9	55	64		15	56	71
	Grad. Cert. & Diploma												1	1				
	Total	193	876	1069	185	845	1030	204	965	1169		210	956	1166		239	1023	1262
Health Sciences	Bachelor	587	132	719	571	131	702	581	138	719		638	157	795		685	181	866
	First Professional	127	79	206	119	83	202	120	83	203		110	94	204		115	82	197
	Master's	188	62	250	202	57	259	192	71	263		188	77	265		231	80	311
	Doctoral	32	23	55	36	21	57	33	18	51		30	28	58		29	21	50
	Grad. Cert. & Diploma	21	1	22	22	3	25	15	2	17		21	2	23		19	8	27
	Total	955	297	1252	950	295	1245	941	312	1253		987	358	1345		1079	372	1451
Humanities	Bachelor	369	193	562	392	185	577	356	175	531		390	166	556		340	167	510
	Master's	72	50	122	63	38	101	72	38	110		77	27	105		66	29	95
	Doctoral	11	8	19	10	7	17	13	7	20		6	7	13		11	8	19
	Grad. Cert. & Diploma	2		2				4		4			1	1			2	2
	Total	454	251	705	465	230	695	445	220	665		473	201	675		417	206	626
Science	Bachelor	828	546	1374	769	523	1292	817	525	1342		778	505	1284	13	762	464	1239
	Master's	60	70	130	58	59	117	54	63	117		55	65	120		59	56	115
	Doctoral	35	34	69	26	36	62	29	43	72		28	35	64		34	41	76
	Total	923	650	1573	853	618	1471	900	631	1531		861	605	1468	14	855	561	1430
Social Sciences	Bachelor	754	325	1079	684	342	1026	723	334	1057		652	319	971	6	622	309	937
	Master's	67	47	114	60	51	111	63	54	117		70	38	108		74	50	124
	Doctoral	16	12	28	17	6	23	6	11	17		14	9	23		11	11	22
	Grad. Cert. & Diploma															2		2
	Total	837	384	1221	761	399	1160	792	399	1191		736	366	1102	6	709	370	1085
Arts & Science	Bachelor	40	18	58	58	18	76	42	21	63		41	14	55		41	20	62
	Total	40	18	58	58	18	76	42	21	63		41	14	55	1	41	20	62
Inter-disciplinary	Master's	79	40	119	87	51	138	94	61	155		121	40	161		137	58	196
	Doctoral	8	10	18	11	12	23	16	11	27		14	16	30		14	8	22
	Total	87	50	137	98	63	161	110	72	182		135	56	191		151	66	218
	Total		3765	2897	6662	3686	2873	6559	3811	3124	6935	3	3754	2962	6719	25	3872	3091
Divinity College	UG. Cert. & Diploma	2		2	1		1		1	1		1	1	2				
	First Professional							1	4	5			4	4			9	9
	Master's	7	18	25	15	20	35	4	11	15		9	18	27		6	19	25
	Doctoral		4	4	1	5	6	2	7	9		4	4	8			12	12
	Total	9	22	31	17	25	42	7	23	30		14	27	41		6	40	46
Grand Total		3774	2919	6693	3703	2898	6601	3818	3147	6965	3	3768	2989	6760	25	3878	3131	7034

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

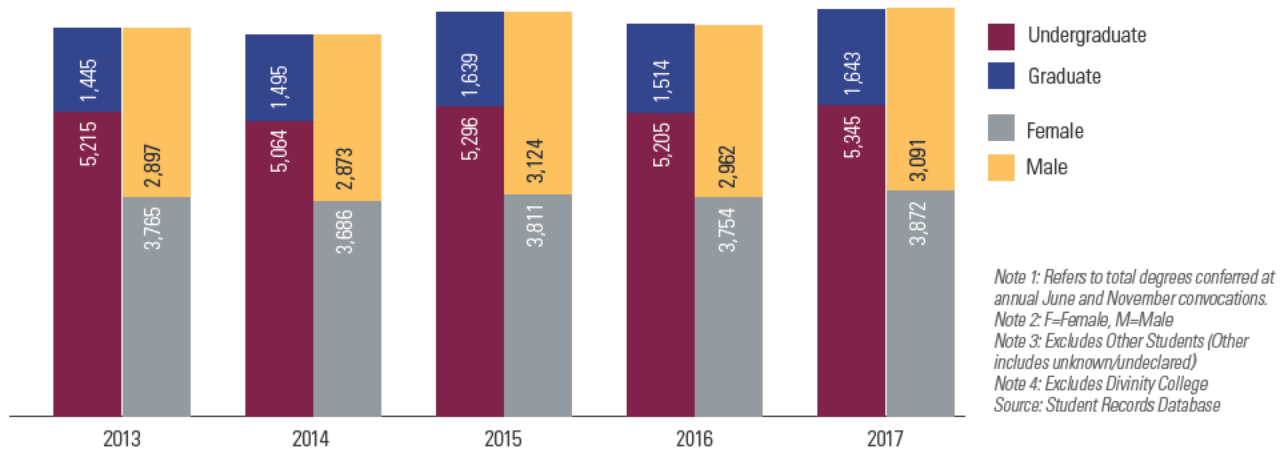
Note 2: F=Female, M=Male, O=Other (includes unknown/undeclared)

Note 3: Excludes Divinity College.

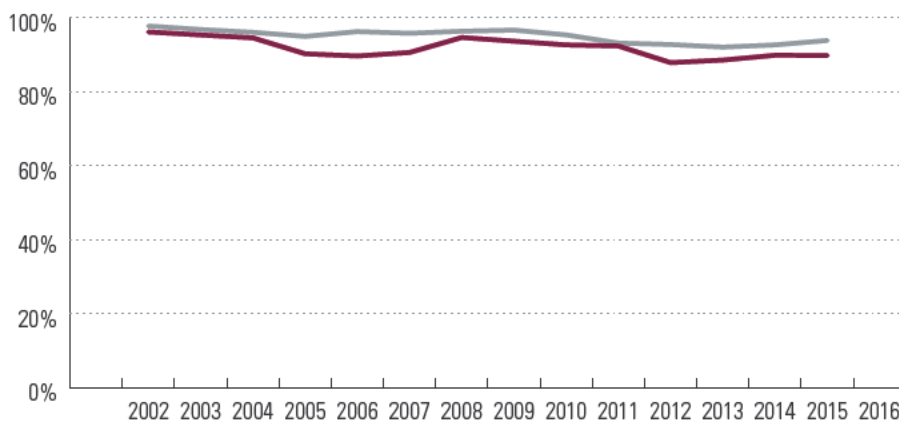
Source: Student Records Database

Approximately 55% of degrees were awarded to females in 2017.
This has remained relatively constant since 2012, ranging from 55% to 57%.

Degrees Awarded by Level and Gender, 2013-2017



Employment Rates – 6 Months and 2 Years after Graduation



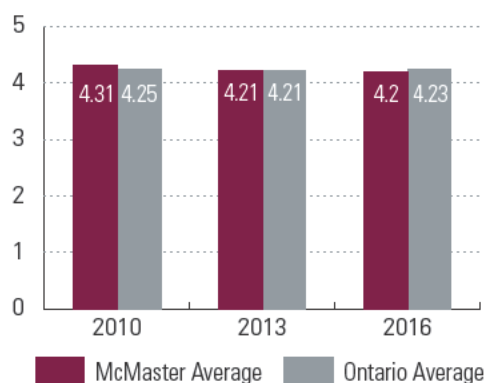
Between 2004 and 2017, the number of degrees awarded (excluding Divinity) has increased 66.9%. Total headcount enrolment (excluding Divinity) has increased 31.8% during the same time period.

— Six Months
 — Two Years

Source: Ontario University Graduate Survey, 2001-2016

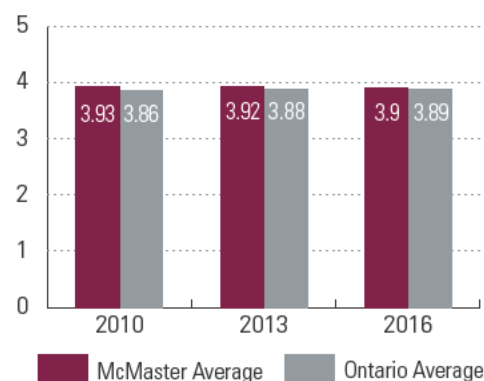
CGPSS – Would you select same field of study?

McMaster (n=957, 1218 and 1,383 for 2010, 2013 & 2016)
Ontario Average (n=18,083, 22,216 and 22,900 for 2010, 2013 & 2016)



CGPSS - Would you choose the same university?

McMaster (n=958, 1,218, and 1,382 for 2010, 2013 & 2016)
Ontario Average (n=18108, 22,269 and 22,947 for 2010, 2013 & 2016)



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
 Note 4: CGPSS 2016 is the latest available; survey administered every 3 years | Source: Canadian Graduate and Professional Student Survey (CGPSS)

The number of students receiving McMaster's Honour Awards (entrance awards) increased by 22.4 percent between 2012-2013 and 2017-2018.

Financial Aid

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

Honour Awards by Faculty, 2012-2013 to 2017-2018¹

Faculty/ Program	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017		2017-2018	
	#	%	#	%	#	%	#	%	#	%	#	%
Arts & Science	66	1.6	65	1.5	65	1.5	67	1.5	75	1.4	61	1.2
Business	480	12.0	664	15.3	631	14.4	665	15.2	954	18.2	850	17.3
Engineering	822	20.5	954	22.0	949	21.6	902	20.7	1,157	22.1	938	19.1
Health Sciences	188	4.7	202	4.7	191	4.3	197	4.5	258	4.9	240	4.9
Nursing	133	3.3	151	3.5	142	3.2	118	2.7	121	2.3	110	2.2
Midwifery	2	0.0	2	0.0	3	0.1	1	0.0	4	0.1	1	0.1
Humanities	355	8.8	378	8.7	292	6.6	329	7.5	328	6.3	317	6.5
Music	22	0.5	17	0.4	14	0.3	18	0.4	23	0.4	19	0.4
Science	1,015	25.3	949	21.9	1,105	25.2	1,070	24.5	1,197	22.8	1,265	25.7
Kinesiology	206	5.1	202	4.7	224	5.1	222	5.1	240	4.6	180	3.7
Medical Radiation Science	129	3.2	124	2.9	123	2.8	112	2.6	122	2.3	97	2.0
Mathematics & Statistics	63	1.6	72	1.7	101	2.3	104	2.4	180	3.4	176	3.6
Social Sciences	533	13.3	562	12.9	552	12.6	556	12.7	581	11.1	661	13.5
Total	4,014	100.0	4,342	100.0	4,392	100.0	4,361	100.0	5,240	100.0	4,915	100.0

2017-2018 In Course Awards by Faculty, as of August 30, 2018³

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	15,900	8	28,975	16			44,950	25
Business			14,000	10	53,600	41	47,500	41	2,500	1	117,600	93
Engineering	40,500	4	161,228	38	129,425	71	162,588	97	58,675	34	552,416	244
Health Sciences	2,800	3	34,250	28	45,200	27	18,350	21	800	1	101,400	80
Humanities			34,325	21	62,825	44	83,800	76	1,000	1	181,950	142
Nursing			21,450	7	25,200	17	34,600	24			81,250	48
Science	30,000	2	56,770	24	120,900	90	177,790	125	25,200	13	410,660	254
Social Sciences			6,100	6	55,800	47	63,220	60	4,300	7	129,420	120
Total	73,300	9	328,198	135	508,850	345	616,823	460	92,475	57	1,619,646	1,006

Ontario Student Assistance Program Information (OSAP), 2017-2018⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	79,551,795	75,276,990	154,828,785
Graduate	8,858,872	8,090,673	16,949,545
Total	88,410,667	83,367,663	171,778,330

In 2017-2018, McMaster's students received about \$14.4 million in bursaries, of which \$3.0 million was funded through Trust Funds and \$11.5 million through operating funds.

Bursary Program Information, 2017-2018⁵

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	12,690	2,597,818.21	10,992,380.88	13,602,889.1
Graduate		280,970.97	516,490.8	797,461.77
Total	12,690	2,878,789.18	11,508,871.7	14,400,350.9

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 2017-2018 OSAP data reflects program starts between August 1, 2017 and July 31, 2017 and thus encompasses the 2017-2018 Fall/Winter and 2018 Spring/Summer sessions.

Note 5: The 2017-2018 Bursary data reflects payments made during the fiscal year only (eg. 2017 records have payment dates between May 1, 2017 and April 30, 2018).

Note 6: The 2017 records 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 2012-2013, the largest increase in average support for Masters students was seen in the category “Other Employment-Based Income Support” (2,353%, from \$15 to \$368). The largest increase in dollars was in Internal Fellowships/Scholarships (\$880).

Graduate Student Financial Support – Average by Category						
Qualification/Category/Average Support		2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
Master	Internal Fellowships/Scholarships	\$3,082	\$3,364	\$4,632	\$3,913	\$3,962
	Federal Fellowships/Scholarships	\$607	\$839	\$807	\$744	\$741
	Provincial Fellowships/Scholarships	\$755	\$671	\$1,055	\$799	\$613
	Other Bursaries/Awards/Scholarships/ Fellowships	\$1,272	\$817	\$804	\$997	\$729
	Teaching Assistantships	\$5,913	\$5,513	\$5,328	\$5,060	\$5,029
	Research Assistantships	\$5,074	\$4,719	\$5,643	\$4,422	\$4,706
	Other Employment-Based Income Support	\$39	\$15	\$48	\$206	\$368
PhD	Internal Fellowships/Scholarships	\$3,945	\$4,845	\$5,982	\$6,128	\$5,653
	Federal Fellowships/Scholarships	\$3,365	\$2,350	\$2,962	\$4,107	\$4,343
	Provincial Fellowships/Scholarships	\$1,765	\$1,754	\$1,630	\$1,557	\$1,777
	Other Bursaries/Awards/Scholarships/ Fellowships	\$4,216	\$4,453	\$6,305	\$1,530	\$1,586
	Teaching Assistantships	\$7,082	\$7,175	\$7,097	\$6,431	\$6,505
	Research Assistantships	\$6,197	\$6,960	\$5,200	\$7,490	\$7,098
	Other Employment-Based Income Support	\$177	\$178	\$196	\$504	\$572

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

Since 2012-2013, the largest increase in average support for PhD students was seen in the category “Other Employment-Based Income Support” (223%, from \$177 to \$572). The largest increase in dollars was in Internal Fellowships/Scholarships (\$1,708).

Between 2016-2017 and 2017-2018, full-time undergraduate program tuition for domestic entering students increased by approximately 3.0 per cent on average, while the tuition for international/visa entering students saw an increase of 8.0 per cent on average.

Tuition Fees

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

Tuition Fees for Undergraduate Entering Cohort, 2013-2014 to 2017-2018										
Level 1 Program	2013-2014		2014-2015		2015-2016		2016-2017		2017-2018	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	5,793	21,200	5,966	22,471	6,145	22,628	6,329	23,986	6,519	25,905
Business	8,145	25,440	8,552	26,966	8,980	28,584	9,428	30,299	9,900	32,723
Engineering	9,665	29,150	10,148	30,898	11,947	36,722	12,544	38,925	13,171	42,039
Health Sciences	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268
Humanities	5,793	20,140	5,966	21,348	6,145	22,628	6,329	23,986	6,519	25,905
Kinesiology	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268
Medical Radiation Science	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268
Medicine	24,801	95,000	25,545	95,000	26,056	95,000	26,577	95,000	27,241	95,000
Midwifery	7,551		8,156		8,400		8,652		8,912	
Nursing	5,793	23,320	5,966	24,719	6,145	26,201	6,329	27,773	6,519	29,995
Science	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248	6,519	27,268
Social Sciences	5,793	20,140	5,966	21,348	6,145	22,628	6,329	23,986	6,519	25,905

Tuition Fees for Graduate Entering Cohort, 2013-2014 to 2016-2017

Year 1 Master's/ Doctoral Program	2013-2014		2014-2015		2015-2016		2016-2017		2017-2018	
	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	16,761	7,008	17,096
Research Based Part-time	3,504	8,601	3,504	8,601	3,504	8,601	3,504	8,601	3,504	8,773
Course Based Full-time	7,356	16,761	7,722	17,766	8,108	18,832	8,513	19,962	8,939	21,559
Course Based Part-time	3,678	8,601	3,861	9,117	4,054	9,664	4,257	10,244	4,470	11,063
MBA ¹ Full-time	15,992	30,290	16,784	32,104	17,623	34,030	18,504	36,072	19,429	38,957
MBA Part-time (per course)	1,999	3,786	2,098	4,013	2,203	4,254	2,313	4,509	2,429	4,870
UNENE ² (per half-course)	2,700	2,700	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500
Master of Communications (per half-course)	3,507	3,786	3,647	4,013	3,793	4,254	3,945	4,509	4,142	4,870
MEEI ³ Full-time	19,071	28,902	20,022	30,636	20,022	30,636	20,022	30,636	20,022	33,087
MEEI Part-time	9,534	14,448	10,008	15,312	10,008	15,312	10,008	15,312	10,008	16,537
MEPP ⁴ Full-time	16,590	18,729	17,418	20,601	17,418	22,661	18,289	24,927	18,289	26,921
MEPP Part-time	8,514	9,609	8,937	10,569	8,937	11,626	9,384	12,788	9,384	13,812
M Eng Design ⁵ Full-time	16,590	18,729	17,418	20,601	17,418	22,661	18,289	24,927	18,289	26,921
M Eng Design Part-time	8,514	9,609	8,937	10,569	8,937	11,626	9,384	12,788	9,384	13,812
Occupational Therapy	9,044	31,558	9,496	33,451	9,971	35,458	10,469	37,585	10,993	40,592
Physiotherapy	9,044	31,558	9,496	33,451	9,971	35,458	10,469	37,585	10,993	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





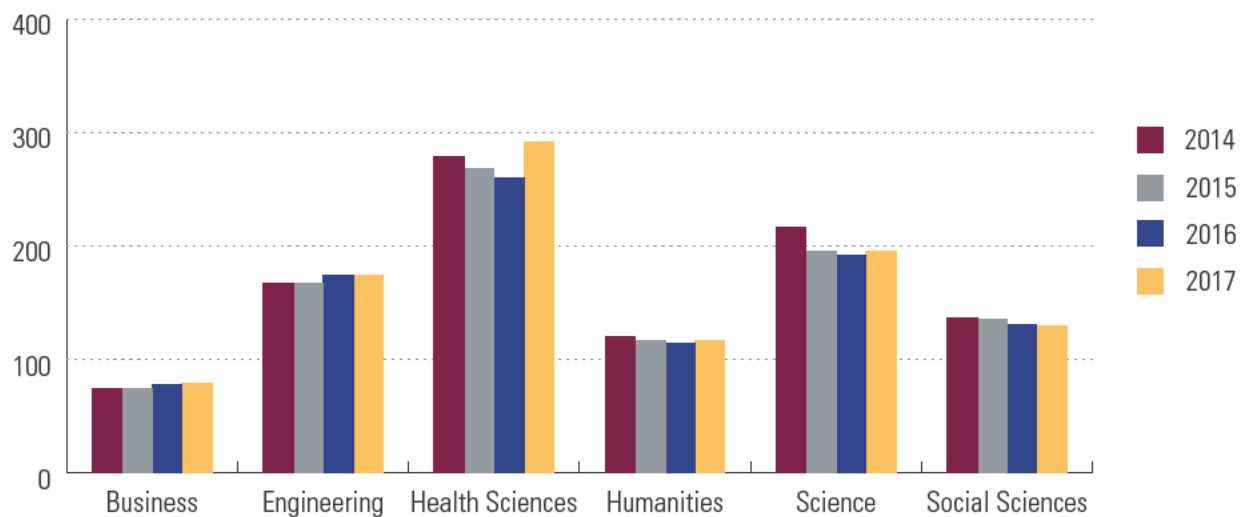
As of Fall 2017, there were 988 full-time instructional faculty (excluding clinical educators). 37.9% of full-time faculty were Females (Fall 2017).

Faculty

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

As of October 1, 2017, McMaster had 988 full-time faculty members, of which 37.9 per cent were female. 97 per cent of the full-time faculty held doctoral degrees and 74.6 per cent of faculty members were tenured and Continuing Appointment Without Review (CAWAR).

Full-Time Faculty Count by Faculty, 2014-2017⁴



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: As of October 1st of each year.

Note 3: Excludes clinician educators.

Note 4: Includes Research Educators.

Source: Human Resources

Full Time Faculty Count by Faculty and Department, 2015 2017

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

Full-Time faculty consisted of 412 (41.7%) full professors, 310 (31.4%) associate professors, 250 (25.3%) assistant professors and 16 (1.5%) lecturers.

Full Time Faculty Count by Faculty and Department, 2015 2017 (Continued)

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

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

Note 3: Excludes clinician educators.

Note 4: Includes Research Educators

Source: Human Resources

McMaster's Full-Time faculty members have an average age of 51.0 years,
with an average of 14.8 years at the university.

Full-Time Faculty Statistics, 2017-2018

Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	32	82	33	122	34	109	412
	Average Age	60.9	55.3	59.8	55.5	57.9	58.3	57.2
	Average Years in University	21.7	18.9	24.2	21.0	20.9	21.1	20.9
	% Tenured/Tenure-Track	93.8	100.0	100.0	100.0	100.0	98.2	98.1
Associate Professor	No. in Rank	24	42	58	47	49	90	310
	Average Age	51.8	48.2	51.4	48.6	50.9	50.3	50.2
	Average Years in University	14.9	12.6	14.6	13.7	13.0	13.1	13.5
	% Tenured/Tenure-Track	91.7	90.5	96.6	89.4	93.8	91.1	91.6
Assistant Professor	No. in Rank	20	48	24	25	41	92	250
	Average Age	45.0	40.5	43.0	42.0	43.2	42.4	42.4
	Average Years in University	8.3	5.9	6.9	7.9	5.9	7.5	7.0
	% Tenured/Tenure-Track	50.0	50.0	29.2	32.0	56.1	55.4	49.2
Lecturer	No. in Rank	2	6	1	1	6		16
	Average Age		43.3			40.3		41.5
	Average Years in University		8.3			4.0		5.9
	% Tenured/Tenure-Track		0			16.7		6.3
Total Faculty	No. in Rank	78	178	116	195	130	291	988
	Average Age	53.6	49.2	52.1	52.1	49.7	50.8	51.0
	Average Years in University	15.7	13.6	15.6	17.5	12.5	14.3	14.8
	% Tenured/Tenure-Track	79.5	83.1	82.8	88.2	80.0	82.5	82.2

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, 2017.

Note 4: Includes Research Educators.

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

Full-Time Faculty Appointment Status, 2017-2018 (n=988)



● Tenured: 60.1%

● Permanent Teaching/Teaching Track: 8.7%

● CAWAR: 8.5%

● Tenure-Track: 8.6%

● Contractually Limited: 8.5%

● Special Term: 5.5%

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

Note 2: Count excludes clinician educators.

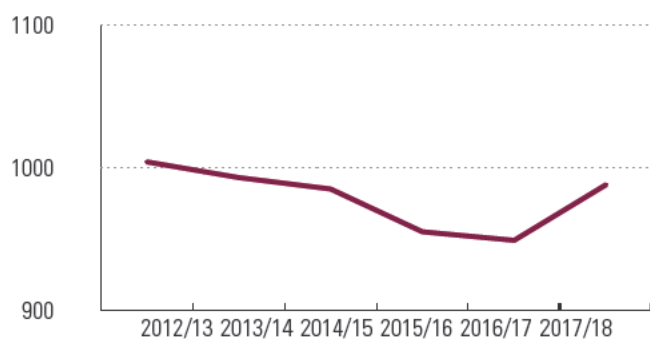
Note 3: As October 1, 2017.

Note 4: Includes Research Educators.

Source: Human Resources

93.9% of full-time faculty members have a PhD or MD.

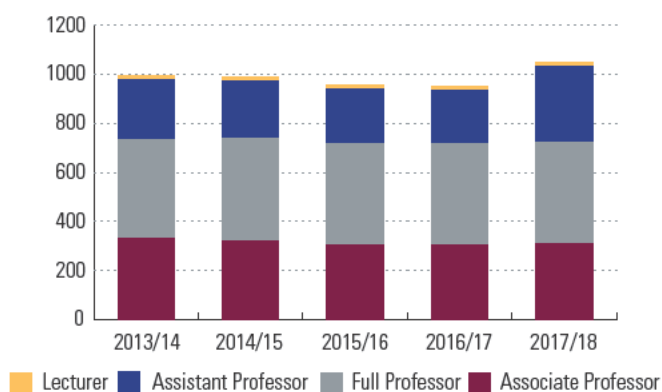
Full-Time Faculty Count , 2012/13 to 2017/18



Note 1: Excludes clinician educators.
Note 2: As of October 1st of each year.

Note 3: includes Research Educators.
Source: Human Resources

Full-Time Faculty Count by Rank , 2013/14 to 2017/18



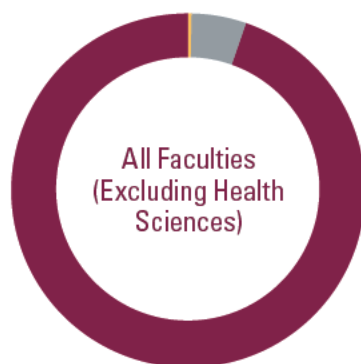
Note 1: Excludes clinician educators.
Note 2: As of October 1st of each year.

Note 3: Includes Research Educators.
Source: HR Database

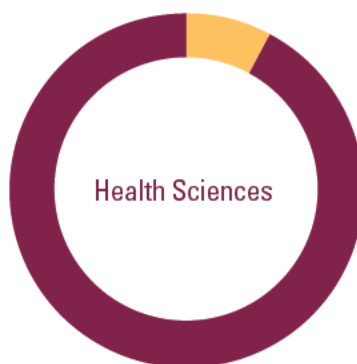
Highest Degree of Full-Time Faculty Members, 2017-2018

Faculty	% PhD/MD	% Master's	% Other
Business	87.2	11.5	1.3
Engineering	94.4	5.6	0.0
Humanities	94.0	6.0	0.0
Science	99.0	0.5	0.5
Social Sciences	93.8	5.4	0.8
Sub-total	94.7	4.9	0.4
Health Sciences	92.1	7.6	0.3
University Total	93.9	5.7	0.4

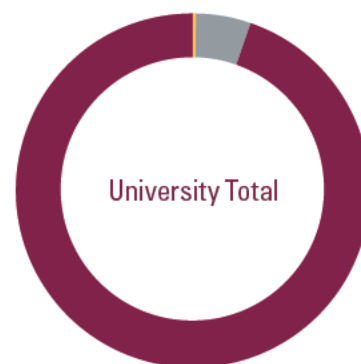
Highest Degree of Full-Time Faculty Members (n=988)



Other: 0.4%
Master's: 4.9%
PhD/MD: 94.7%



Other: 7.9%
PhD/MD: 92.1%



Other: 0.4%
Master's: 5.7%
PhD/MD: 93.9%

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, 2017.
Note 3: Includes Research Educators.
Source: Human Resources

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

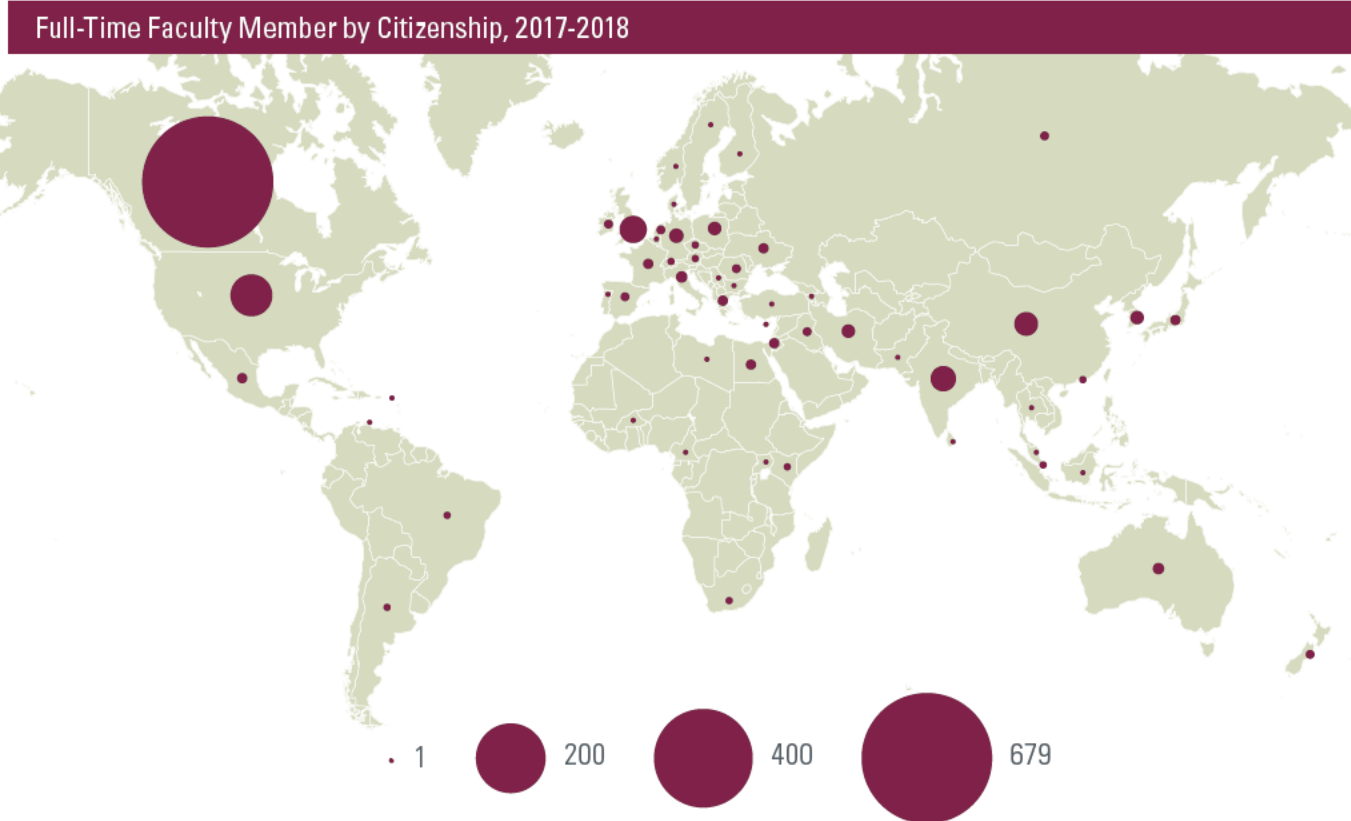
Country of Highest Degree Earned of Full-Time Faculty Members, 2017-2018						
Faculty	Canada	U.S.A.	United Kingdom	China	Australia	All Other Countries
Business	45	26	1	1		5
Engineering	89	44	11	2	6	26
Humanities	65	35	10	1		5
Science	104	58	14	1	2	16
Social Sciences	69	40	13			8
Sub-total	372	203	49	5	8	60
Health Sciences	216	24	16	2	4	29
University Total	588	227	65	7	12	89

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, 2017.

Note 3: Includes Research Educators.

Source: Human Resources



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 (89.1%) were earned in Canada, the United States and the United Kingdom.

Countries with Highest Representation, 2017-2018

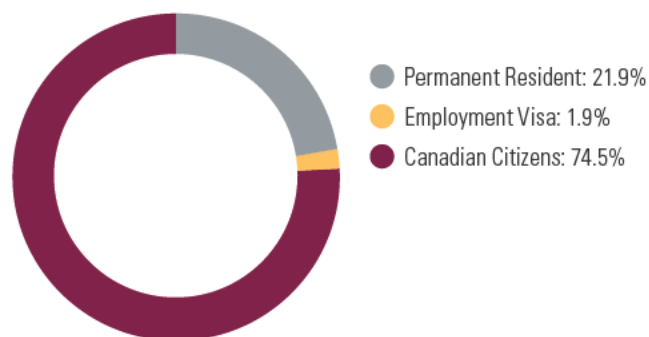
As a percent of all full-time faculty members

Canada	72.8%
United States	7.2%
United Kingdom	2.8%
India	2.4%
China	1.9%
All Other Countries	12.9%

Note 1: As of October 1st 2017.

Note 2: Excludes clinical educators.
Note 3: Includes research educators.
Source: Human Resources

Full-Time Faculty by Immigration Status, 2017-2018¹



Note 1: As of October 1st 2017.

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.

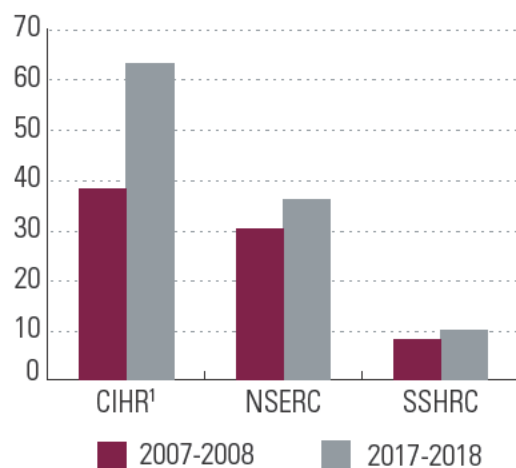
Research Grants

McMaster's estimated total research income for 2017/18 is \$391.6 million, including affiliated hospitals. (Note: final 2017/18 amounts were not available at the time of printing.)

McMaster ranks first in Canada in research intensity, averaging \$405,300 per faculty member – more than double the national average – and eighth overall in total research income, bringing in some \$354.6 million. (Research Infosource 2017).

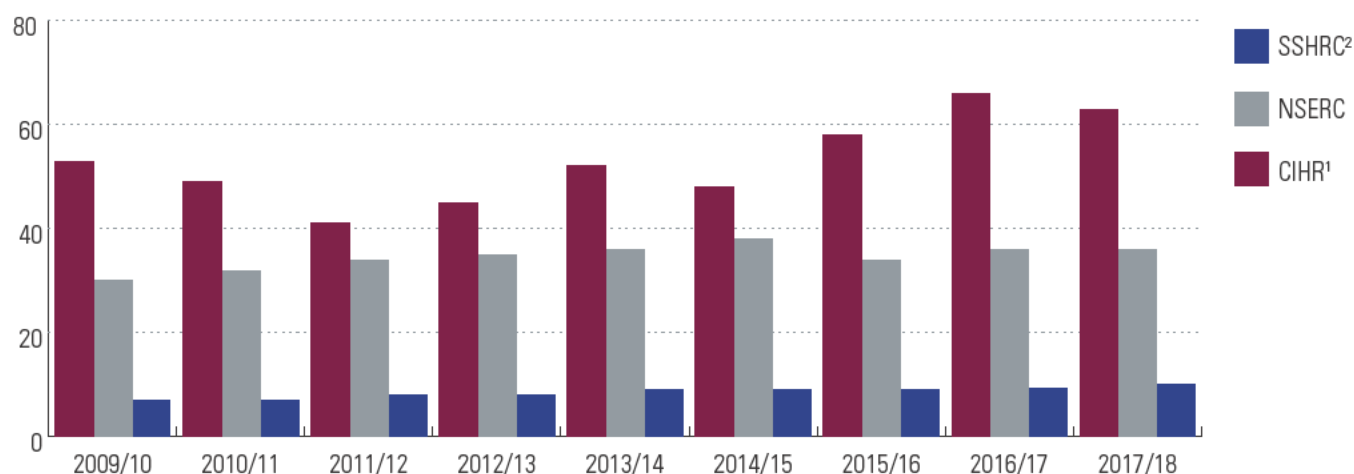
For more information on McMaster's Research Grants, please visit: www.mcmaster.ca/research/

Tri-Agencies Funding (\$),
2007-2008 vs 2017-2018 – \$ millions



- Approximately \$108.3 million was received from the Tri-Agencies, including \$62.5 million from Canadian Institutes of Health Research (CIHR), \$35.9 million from Natural Sciences & Engineering Research Council (NSERC), and \$9.9 million from Social Sciences & Humanities Research Council (SSHRC).
- \$19.4 million in renewed funding from CIHR for the Canadian Longitudinal Study on Aging (CLSA), a national, long-term project to improve understanding of the process of aging.
- \$3.4 million in funding from the CIHR Foundation Grants competition in support of two projects to study respiratory mucosal immunity and novel vaccination strategies against pulmonary tuberculosis and microbiota and inflammatory triggers of metabolic disease.
- \$35 million in funding over five years from the Government of Ontario to McMaster, the University of Waterloo and Western University to create an Advanced Manufacturing Consortium. The Consortium will allow for collaboration with industry partners on long-term industrial innovation projects to lead Ontario in fields such as additive manufacturing and digital components and devices.

Tri-Agencies Funding (\$), 2009-2010 to 2017-2018 – \$ millions



Tri-Agencies Funding (\$)

	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017	2017-2018
CIHR	53,373,065	49,496,341	40,615,338	44,755,061	51,527,733	48,213,512	57,582,687	66,376,571	62,519,402
NSERC	30,424,966	32,357,975	34,482,686	34,986,248	35,555,120	38,444,093	34,160,786	36,129,199	35,858,817
SSHRC	7,344,096	7,397,814	7,675,563	8,030,162	8,899,474	9,200,804	8,585,180	9,308,485	9,930,424
Total	91,142,127	89,252,130	82,773,587	87,771,471	95,982,327	95,858,409	100,328,653	111,814,255	108,308,643

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 and CIHR Funding Analytics Team

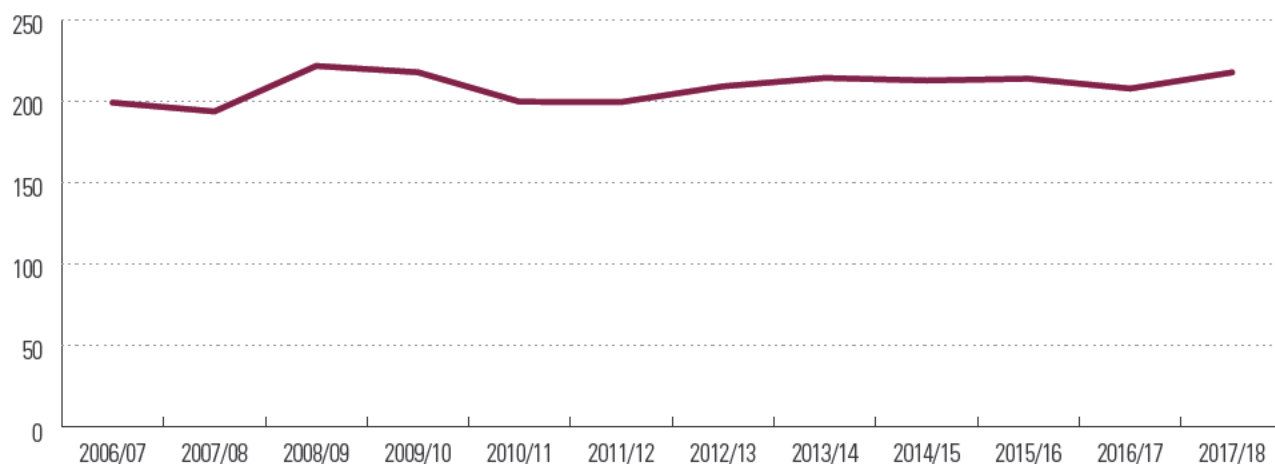
- \$8.4 million in federal and partner funding from Genome Canada's Genomic Applications Partnership Program for two projects that will validate a new white blood cell therapy for cancer and identify, isolate, and characterize immune modulators from the human microbiome.
- \$10.7 million from the MEDJCT Ontario Research Fund – Research Excellence Program (ORF-RE), to support three projects: to discover and develop a unique class of antimicrobials; to enable next-generation devices through novel molecule-based thin film deposition methods and advanced characterization of structure and function and to enhance the competitiveness of industrial process operations through responsive, flexible and cleaner production.
- \$5.2 million to lead two projects awarded through the TargetGHG Collaborative R&D Program competition, a funding initiative from the Ontario Government in partnership with the Ontario Centres of Excellence (OCE) and NSERC. The program supports technologies that address Ontario's greenhouse gas emission reduction targets and requires collaboration between for-profit businesses and academic research institutions, with the objective of fostering innovation and driving commercialization.
- \$1.1 million from MEDJCT's Early Researcher Awards Program (ERA) to support eight young researchers from three faculties whose projects include studies of maternal and infant outcomes in the context of adversity and intervention, a molecular target to treat neuromuscular disorders and micro-scale processing for the advancement of membrane-based wastewater treatment.
- \$3.5 million U.S. (approx \$4.6 M Cdn) in renewed funding from the Bill & Melinda Gates Foundation to identify and address ethical challenges, ethics-related risk, and policy gaps that have the potential to undermine the impact of potential life-saving technologies and interventions in global health and development research.



- \$8.7 million from the Canada Foundation of Innovation's (CFI) Innovation Fund (IF) and \$7.1 million from the Ontario Ministry of Economic Development, Job Creation and Trade's (MEDJCT) Ontario Research Fund - Research Infrastructure program (ORF-RI) for two projects to allow researchers to generate a more thorough understanding of the ways in which microbes benefit us and sometimes cause disease and to support the Canadian Research Data Centre Network (CRDCN) – a national network housed at McMaster which allows researchers to access and analyse the statistical data needed to answer pressing social and health research questions for Canada. An additional \$5.6 million was awarded from MEDJCT to the Canadian Centre for Electron Microscopy (CCEM), which houses some of the world's most advanced suite of tools and capabilities.
- Additional funding from the Ontario Government includes \$2.1 million from the Ministry of Health and Long-Term Care for a project to strengthen health systems through evidence-informed policymaking, \$1.4 million from the Ministry of Children and Youth Services to support the Infant and Child Health Lab (INCH) and \$1.2 million from the Ministry of Citizenship and Immigration to increase internationally educated nurse employment in health care.
- 2018 NSERC E.W.R. Steacie Memorial Fellowship (one of six awarded nationally).

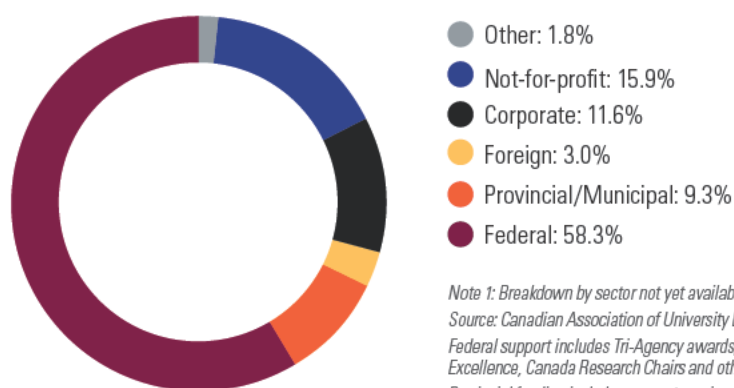
McMaster Ranks first in Canada in research intensity (average funding income per faculty member) – more than double the national average.

McMaster Sponsored Research Income – \$ millions (Excluding Affiliated Hospitals), 2006-2007 to 2017-2018



Note 1: 2017/18 is an estimate from McMaster University Financial Affairs
Source: Canadian Association of University Business Officers (CAUBO)

Sponsored Research Income – by Fund - 2016/17: Excluding Affiliated Hospitals (approximately \$208M)



Note 1: Breakdown by sector not yet available for 2017/18

Source: Canadian Association of University Business Officers (CAUBO)

Federal support includes Tri-Agency awards, as well as funding from the Canada Foundation for Innovation, Networks of Centres of Excellence, Canada Research Chairs and other Federal agencies. 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, Early Researcher Awards (ERA), Ontario Research Fund - Research Excellence (ORF-RE), Ontario Research Fund - Research Infrastructure (ORF-RI) etc.



In the past year,
6 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 Health Sciences (Health Sciences). 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	2013	2014	2015	2016	2017
Books, Other					
Titles (Paper)	1,229,351	1,237,735	1,255,490	1,274,265	1,282,221
Electronic books	510,269	564,800	596,621	595,779	611,882
Electronic audio, scores, video, etc.	9,443	11,003	12,691	14,182	19,631
Audio Materials	46,106	46,191	45,647	45,684	45,984
Film and Video	3,655	3,811	4,147	4,071	4,252
Cartographic Material	138,142	138,319	138,444	138,512	138,668
Printed Music Scores	29,848	31,120	31,221	31,468	31,639
Manuscripts & Archives (linear metre)	4,453	4,498	4,528	4,548	4,570
Serial Subscriptions					
Print/Microform Serials	1,894	1,791	1,188	1,596	1,596
Electronic Serials	86,490	92,742	93,604	96,558	88,664

- The William Ready Division of Archives and Research Collections is home to over 4,500 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 Canadians poets Nelson Ball and Christopher Levenson; the first accrual to the archives of sociologist, cultural critic, and political activist Henry Giroux; and books published in the 16th-17th centuries.

The total information resources expenditure was \$12.3M, of which 82% was allocated to serial and e-resource subscriptions, 6% to books, and 12% to membership and collection support.

Information Resource Expenditure (\$) as of April 30th	2013	2014	2015	2016	2017
Books					
Print Monographs	616,197	572,436	658,126	775,084	359,461
Electronic Monographs	311,167	198,775	398,395	314,725	418,843
Total Expense	927,364	771,211	1,056,521	1,089,809	778,304
Serial Subscriptions					
Print Serials	567,605	609,670	651,583	619,998	586,354
Electronic Serials	7,091,606	6,818,806	7,770,640	8,727,984	9,489,110
Total Expense	7,659,211	7,428,476	8,422,223	9,347,982	10,075,464
Other					
Total Expense	1,027,001	1,179,265	937,747	1,114,042	1,480,444
Grand Expense	9,613,576	9,378,952	10,416,491	11,551,833	12,334,212

Summary of Library Personnel as of April 30th	2013	2014	2015	2016	2017
Professional					
Professional Staff	23	23	23	29	33
Other Professionals	27	25	27	23	26
Total	50	48	50	52	59
FTE					
Support Staff FTE	64	69	63	65	59
Casual Staff FTE	19	16	17	19	16
Total	83	85	80	84	75
Grand Total	133	133	130	135	134

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

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

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

Source: CARL (Canadian Association of Research Libraries)

More than 12,000 students participated in a library instruction session; more than 18,000 research help questions were answered; more than 3.2 million articles were downloaded from the Library's electronic journal collection; and the libraries provide over 4,200 study seats.



The Museum added 17 pieces of art to its permanent collection in 2017, consisting of 8 works on paper, 8 paintings, and 1 sculpture.

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).

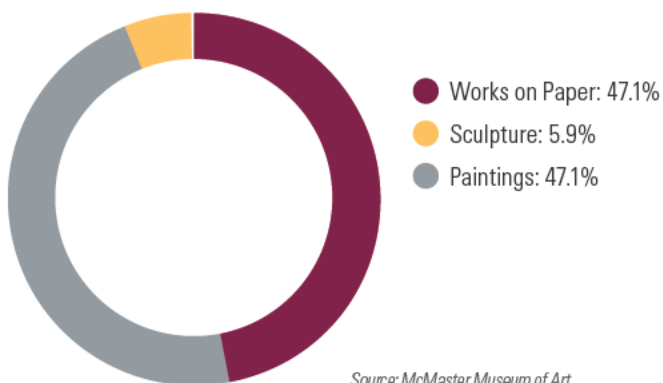
For more information on the Museum of Art, please visit: museum.mcmaster.ca/

- In 2017, the permanent collection held by the Museum of Art consisted of 5,988 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 2017 are as follows: 70,951 website views; EMuseum, 58,910 page views; Twitter Followers, 3,206; Facebook Fans, 1,646; E-invite subscribers, 1,256; Youtube Channel views, 29,575; and an active Geocache community.

Permanent Collection Growth, 2013-2017	2013	2014	2015	2016	2017
New Acquisitions					
Paintings	18	16	5	7	8
Works on Paper	10	11	66	23	8
Sculpture	2	0	8	3	1
Coins	0	0			
Media	0	0	1	1	
Total New Acquisitions	30	27	80	34	17
Permanent Collection	5,830	5,857	5,937	5,971	5,988

New Acquisitions, 2017 (n=17)



Annual Attendance as of April 30th, 2013-2017



Attendance as of April 30th	2013	2014	2015	2016	2017
Attendance	32,000	30,000	31,200	30,000	27,000

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-)

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

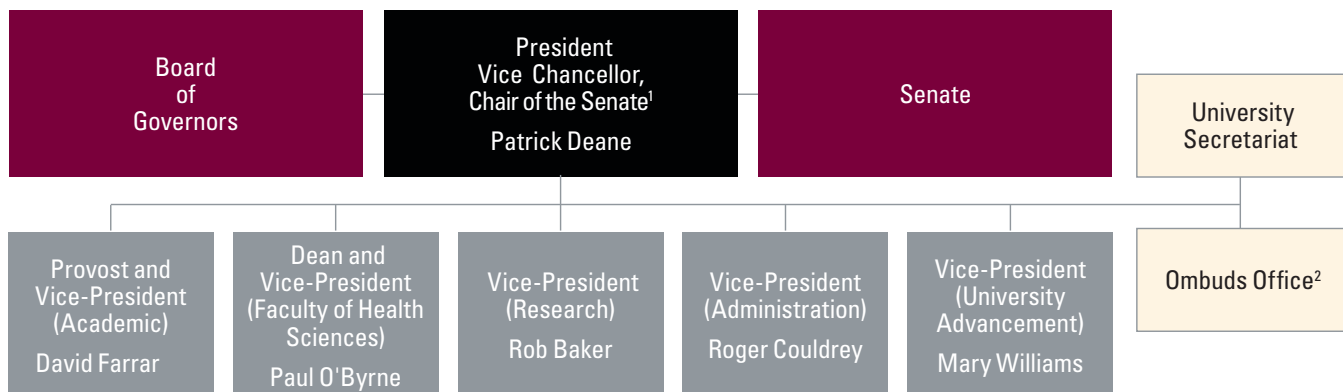
- Suzanne Labarge, 18th chancellor (2013-)

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, 2017



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

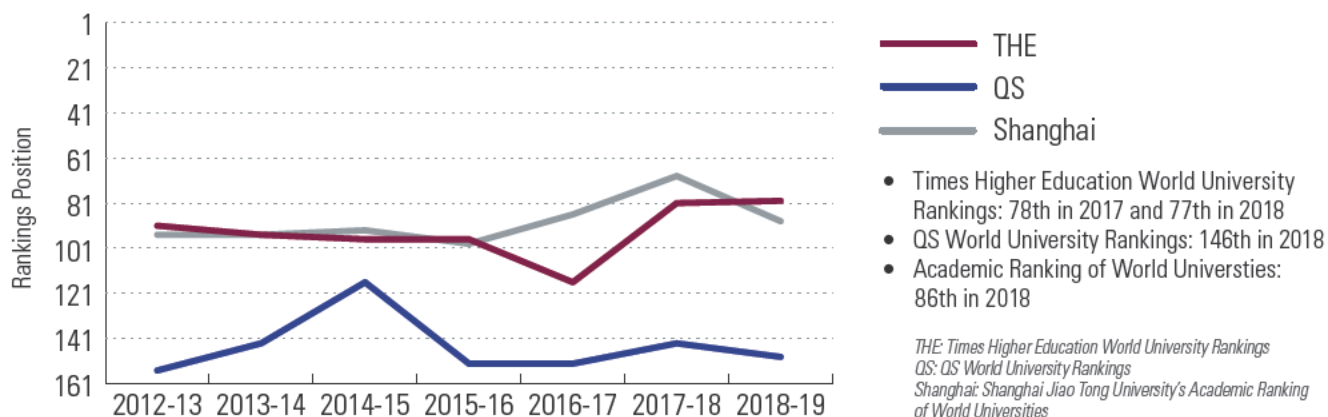
Note 2: The Ombudsperson reports to the President of the University and the President of the McMaster Students Union.

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

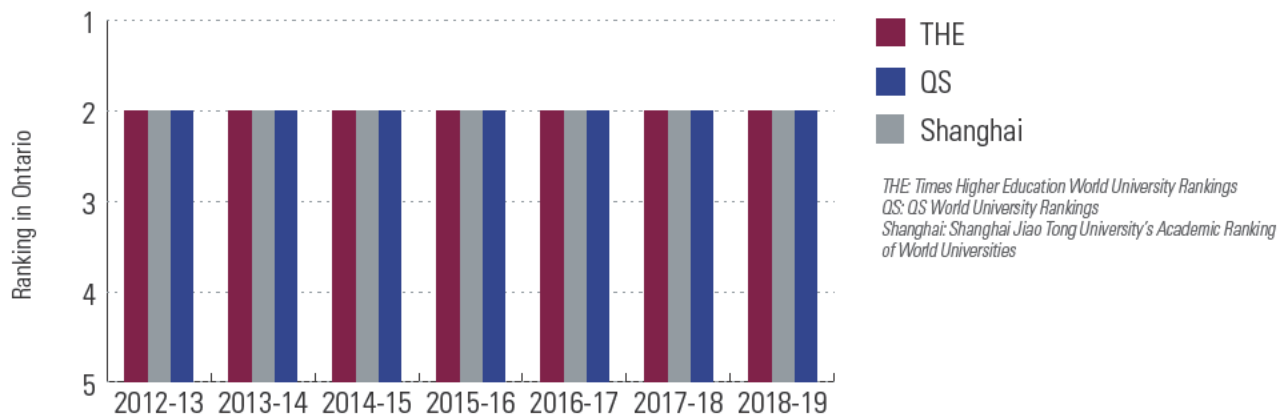


Rankings and Reputation

McMaster Rankings



McMaster Rankings in Ontario





McMaster 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 25, 2018, McMaster University had 10,342 employees (excluding McMaster University Faculty, Clinical Faculty and Senior Academic Librarians).

HAMILTON-NIAGARA'S TOP EMPLOYERS FOR 2018

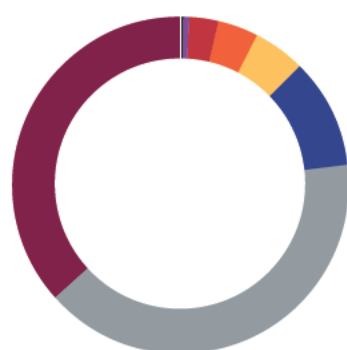
- McMaster University was named one of Hamilton-Niagara's Top Employers for 2018. This was the first time that McMaster had submitted an application to this rigorous competition. More than 72 staff members from across all areas of the University – administrative, operational, academic – collaborated 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 25, 2018

Employee Groups ¹	Count
Unifor Local 5555:	2,449
Unit 1: Non-Academic Administrative, Professional and Technical	2,417
Unit 3: Parking & Transit	15
Unit 4: Special Constables	17
CUPE Local 3906:	1,954
Unit 1: Teaching Assistants	1,670
Unit 2: Sessional Faculty and Sessional Music Faculty	123
Unit 3: Postdoctoral Fellows (Non-HSc)	161
IUOE Local 772:	13
Operating Engineers	13
SEIU Local 2:	182
Hospitality Services and PT Satellite	179
Machinists	3
MUALA (Librarians)	26
The Building Union of Canada (The BUC)	299
Operations & Maintenance and Casual Cleaners	299
The Management Group (TMG)	646
Senior Academic and Administrative Officers	18
Senior Academic Officers	5
Senior Administrative Officers	13
Clinical Scholars, Research Associates (Academic) and Fellows	239
Temporary Staff	4,516
Total	10,342

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

Staff Count by Employee Classification, excluding Temporary, as of July 25, 2018 (n=5,826)



○ IUOE Local 772 Operating Engineers: 0.2%	● The BUC: 5.1%
● Senior Academic and Administrative Officers: 0.3%	● The Management Group (TMG): 11.1%
● MUALA (Librarians): 0.4%	● Unifor Local 5555 ¹ : 42.0%
● SEIU Local: 23.1%	● CUPE Local 3906: 39.5%
● Clinical Scholars, Research Associates (Academic) and Fellows: 4.1%	

Note 1: Excludes McMaster University Faculty, Clinical Faculty, Temporary/Casual Employees and Senior Academic Librarians.
Source: Human Resources Services.

The largest employee group, Unifor Local 5555, comprises 42.0% of the total staff count.

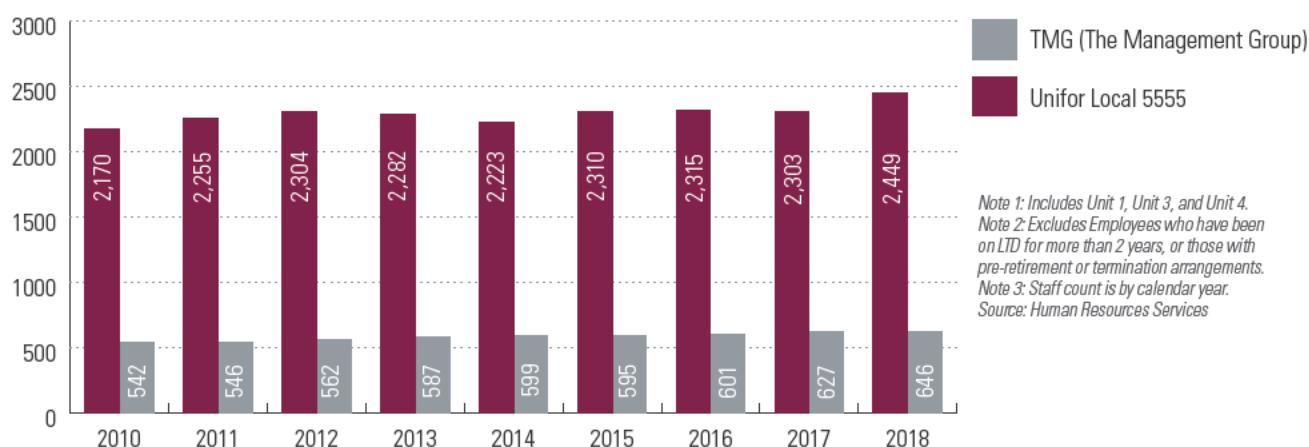
The average age of McMaster employees is 45.0 years. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows).

Employee Groups by Years of Service and Age, as of July 25, 2018

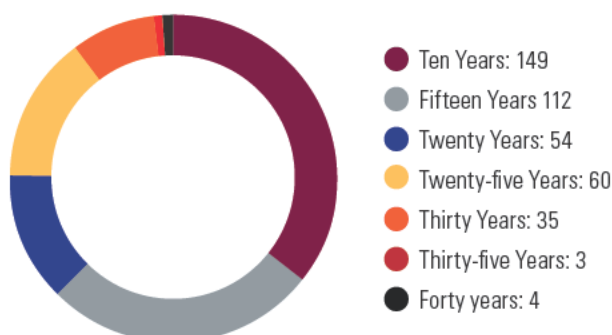
Employee Groups	Average Yrs. of Service	Average Age
Unifor Local 5555:	11.9	43.5
Unit 1: Non-Academic Administrative, Professional and Technical	12.0	43.6
Unit 3: Parking & Transit	2.5	24.3
Unit 4: Security	4.5	37.0
IUOE Local 772:	10.3	46.1
Operating Engineers	10.3	46.1
SEIU Local 2:	9.5	46.0
Hospitality Services and PT Satellite	9.7	46.0
Machinists	15.3	57.0
MUALA (Librarians)	11.2	42.0
The Building Union of Canada (The BUC)	11.5	49.0
Operations & Maintenance and Casual Cleaners	11.5	49.0
The Management Group (TMG)	13.1	46.0
Senior Academic and Administrative Officers	14.2	57.0
Senior Academic Officers	15.5	62.0
Senior Administrative Officers	13.7	55.0
Total	11.9	45.0

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 2010-2018^{2,3}



Employees Attaining Long Service Milestones in 2018 (n=372)



Four employees attained the 40 year long service milestone in 2018. 60 employees were inducted into the Quarter Century Club in 2017. The average years of service of McMaster employees is 11.9. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows).

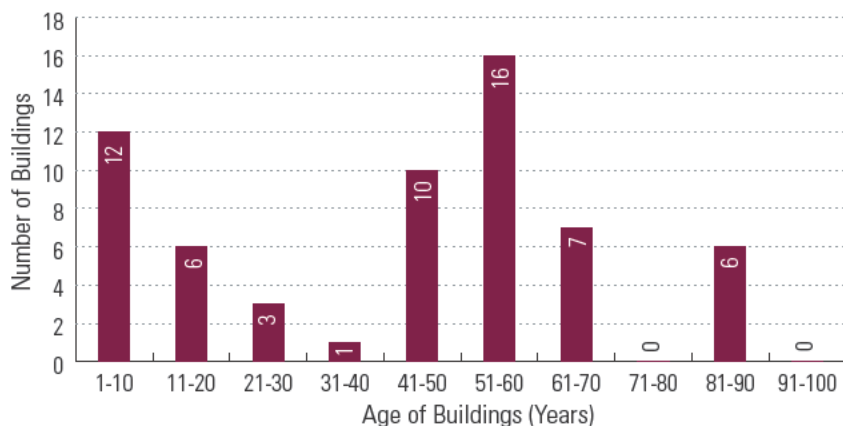
McMaster University has 12 on-campus residence buildings. A total of 3,780 bed spaces are available, with 3,658 spaces reserved for incoming first-year undergraduate students.



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 2017/2018



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)



- Miscellaneous: 4%
- Administration: 5%
- Student Services: 8%
- Libraries: 6%
- Residence: 16%
- Teaching and Research: 61%

Total gross area of buildings on-campus amounts to 570,000 m².
 McMaster devotes most space to the Teaching and Research category (61%).

McMaster University Significant Facilities

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year ³
Arthur N. Bourns Building	22,703	624	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)	251	20	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
DeGroote School of Business	6,132	322	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	105,363	3,680	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	21,007	636	Classroom & Research	1958
Kenneth Taylor Hall	10,028	450	Classroom	1971
Les Prince Hall	8,239	634	Residence	2006
L.R. Wilson Hall	12,815	486	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	5,577	323	Residence	1964
McMaster University Student Centre	11,692	353	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
Moulton Hall	4,807	261	Residence	1959

McMaster University Facilities (continued)

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year ³
Nuclear Reactor	1,648	56	Research	1957
Nuclear Research Building	4,401	232	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	8,393	281	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 2017-2018 and is scheduled for occupancy in Fall 2019.

- The Gerald Hatch Centre for Engineering Experiential Learning opened in May 2017. The total project cost was \$12 million. This facility is around 2,600 m² (gross) on a footprint of 557 m² (gross) located immediately to the south of JHE. The Hatch Centre serves as a living laboratory for researching and applying sustainable building technologies as well as being a student centre for experiential learning. The Centre also houses student clubs and societies, collaborative workspace and show space for design teams, study space, and space for extracurricular experiential learning activities. The Centre also includes the Faculty of Engineering Outreach and the Office of the Associative Dean (Academic).
- In recognition of the strong need at McMaster for more classroom, exam-writing, residence, and daycare space, the Peter George Centre for Living and Learning (Academic/Residence/Hospitality/Children Centre/Underground Parking) is currently under construction at the previous location of temporary buildings #T28, #T29, and #T18 at an approximate total project cost of \$122 million with completion targeted for September 2019.
- A major addition is being constructed at the Arthur Bourns Building, which is simultaneously undergoing a major renovation including repair and retrofit of existing labs. The project is estimated to cost \$78 million which also supports the campus electricity and heat cogeneration (COGEN) project, which enhances McMaster's ongoing energy conservation efforts.
- This year, McMaster University Library is celebrating the 50th anniversary of the acquisition of the Bertrand Russell Archives. The Russell Archives and the associated Bertrand Russell Research Centre are planned to be relocated this year from Mills Library to 88 Forsyth, an existing vacant house owned by McMaster at the corner of Forsyth Avenue North and Sterling Street.
- The Fraunhofer Project Centre for Biomedical Engineering and Advanced Manufacturing at McMaster University is under development at McMaster Innovation Park (MIP). The Centre will develop technology solutions at the interfaces of medicine, life sciences, and engineering. It is anticipated that this new facility will initially occupy 1,860 m² (gross). The total renovation cost is estimated at \$17.4 million. This includes the \$4 million committed from the City of Hamilton and \$4 million committed by the Province of Ontario.

McMaster University has over 196,000 alumni around the world, as of July 2018.



Alumni

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

For more information McMaster alumni, please visit: alumni.os.mcmaster.ca/s/1439/start.aspx

Total Number of Alumni ¹ , as of August 31, 2018			
Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,387	1,546	1,789
Business	14,190	16,909	20,476
Continuing Education	3,736	4,054	5,542
Divinity	631	745	1,339
Engineering	16,723	19,678	22,429
Health Sciences	18,033	20,162	23,070
Humanities	16,818	20,522	28,916
Science	28,091	32,743	40,775
Social Sciences	30,406	36,004	49,731
Other ³	154	213	2,480
Total	130,169	152,576	196,547

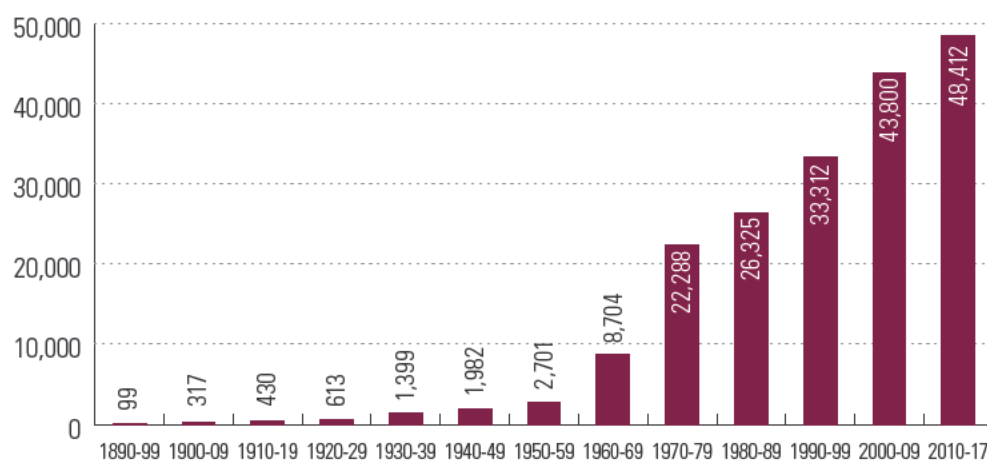
Note 1: Living Alumni includes lost and removed by request
Note 2: Active Alumni means known contact information.
Note 3: Faculty or program of graduation is unknown.
Source: University Advancement

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



48.5%
of alumni
graduated in the
past 17 years

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

Active International Alumni Residence by Country, as of August 2018

Country	Alumni	Country	Alumni	Country	Alumni	Country	Alumni
Armenia	1	Eritrea	1	Libya	4	Seychelles	1
Afghanistan	1	The Netherlands	37	Lithuania	1	Sierra Leone	5
Angola	5	Estonia	1	Macau	11	Singapore	159
Antigua	5	Ethiopia	3	Ivory Coast	1	Slovak Republic	3
Argentina	9	Falkland Islands	1	Malaysia	127	Slovenia	3
Aruba	1	Finland	6	Malta	1	Solomon Islands	1
Australia	303	France	82	Mauritius	5	South Africa	24
Austria	15	Germany	112	Mexico	59	South Korea	105
Bahamas	65	Ghana	17	Morocco	3	Spain	17
Bahrain	5	Grand-Duche Du Luxembourg	8	Nepal	3	Sri Lanka	11
Bangladesh	27	Greece	43	Netherlands Antilles	7	St. Lucia	4
Barbados	33	Grenada	2	New Zealand	80	Swaziland	1
Belgium	34	Guatemala	2	Nigeria	38	Sweden	21
Belize	2	Guyana	14	Northern Ireland	15	Switzerland	64
Bermuda	69	Haiti	1	Norway	17	Taipei	1
Bhutan	1	Holland	7	Oman	13	Taiwan	66
Bolivia	2	Honduras	1	Pakistan	53	Tanzania	11
Botswana	19	Hong Kong	821	Palestine	2	Thailand	48
Brazil	31	Hungary	7	Papua New Guinea	4	Trinidad & Tobago	109
Brunei	5	Iceland	4	People's Republic of China	459	Tunisia	1
Bulgaria	3	India	162	Peru	4	Turkey	22
Burkina Faso	2	Indonesia	40	Philippines	13	Turks and Caicos Islands	1
Burma	4	Iran	19	Poland	10	Uganda	13
Cayman Islands	11	Isle-Man	1	Portugal	5	Ukraine	5
Channel Islands	7	Israel	29	Puerto Rico	2	United Arab Emirates	113
Chile	18	Italy	36	Qatar	19	United States of America	6,254
Colombia	8	Jamaica	41	Republic of Croatia	3	Uruguay	1
Costa Rica	3	Japan	119	Republic of Ireland	32	Venezuela	12
Cyprus	8	Jordan	7	Republic of Korea	7	Vietnam	5
Czech Republic	7	Kazakhstan	4	Romania	3	Virgin Islands	1
Denmark	16	Kenya	54	Russia	9	Wales	13
Dominican Republic	2	Kuwait	16	Rwanda	3	Western Sahara	1
Ecuador	1	Latvia	2	Saudi Arabia	71	Zambia	6
Egypt	86	Lebanon	5	Scotland	53	Zimbabwe	9
England	521	Liberia	2	Serbia/Montenegro	7	Total	11,292

Source: University Advancement

Notable Alumni

Nobel Laureate in Economic Sciences

Myron Scholes

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
Gordon Clark	Douglas Coleman
Patricia Demers	Russel 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
Charles Johnston	Chil-Yong Kang
Murray Lang	J. Barry Lord
Kevin Lynch	Anne Martin-Matthews
Les McLean	John Mighton
Roger Mitchell	Heather Monroe-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
Alba DiCenso	Laura Dodson
Howard Engel	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	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 \$21.5 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

2017 Results Highlights:

Goal:
\$21.5 million

NEW PLEDGES AND GIFTS:
\$25,671,930

DISCOUNTED FUTURE GIFTS:
\$14,789,757

OTHER REVENUE:
\$1,021,133

2017 Total:
\$41,482,820

VALUE OF RECEIPTED GIFTS IN 2017: **\$37,567,723**

AVERAGE VALUE OF A FUTURE GIFT: **\$193,000**

NUMBER OF GIFTS: **7357**

VALUE OF NEW STUDENT AWARDS GIFTS: **\$1,682,931**

Donors by Type:

INDIVIDUAL: **97.6%**

CORPORATE: **1.1%**

FOUNDATIONS: **0.6%**

ORGANIZATIONS: **0.6%**


Return on investment:

\$8.54

(for every dollar spent on philanthropic activity, \$8.54 was returned to the university)

1% OF OUR DONORS GIVE **83%** OF OUR GIFTS

Source: University Advancement



The University finished the 2017-2018 year with an audited surplus of \$123.8 million.

Finance

The University finished the 2017-2018 year with an audited surplus of \$123.8 million. (2016-2017 - \$112.1 million). The increase in surplus over the prior year was driven by revenue growth related to increased enrolment and associated tuition income, revenues from specially funded programs, non-regulated fees, new referendum related fees, and other enrolment-related support service revenues.

Included within the consolidated results is an operating fund surplus of \$44.2 million (2016/17 surplus of \$25.9 million). The surplus relates to growth operating fund revenue due to increased enrollment, domestic tuition rate increases within the provincial framework and research overhead revenue.

For more information on finance, please visit: http://www.mcmaster.ca/bms/BMS_Financial_Services.htm

- Year over year capital expenditures increased to \$156.5 million, up from \$113.5 million in 2016/17, related to spending on significant capital projects including the Fraunhofer-McMaster Project Centre for Biomedical Engineering and Advanced Manufacturing, a combined heat and power cogeneration plant, the Peter George Living and Learning Centre and the Arthur N. Bourns Building.
- Total assets grew by 5.8% as a result of the increased investments and additional capital assets.
- Total liabilities increased by 2.4% primarily due to an increase in accounts payable and accrued liabilities.
- The funding of pension and other post-retirement benefit plans remain the largest financial risk to the University. As of April 30, 2018, the pension plan has a small surplus of \$19.1 (accounting basis), compared to a deficit of \$3.5 million at the same time last year. The non-pension post-retirement benefit plan deficit increased from \$220.3 million to \$247.7 million as of April 30, 2018.
- The University remains focused on sustainable financial health, growing assets and diversifying revenues, while managing expenses and liabilities.
- Future capital plans, a strong balance sheet, and continued low interest rates served to affirm the University's DBRS and Standard and Poor's credit ratings at AA.

Audited Financial Statements are available at: http://www.mcmaster.ca/bms/pdf/fs_afr_18.pdf



Year ended April 30, 2018 with comparative figures for 2017* (\$ millions)

Statement of Operations - Audited**	2018	2017	% change
Revenues	1,109.5	1,076.0	3.1%
Expenses	985.7	963.9	2.3%
Excess of revenues over expenses	123.8	112.1	10.4%

Statement of Financial Position - Audited*	2018	2017	% change
Assets	2,735.1	2,584.5	5.8%
Liabilities	1,526.0	1,490.3	2.4%
Net Assets	1,209.1	1,094.2	10.5%

Operating Fund - Unaudited*	2018	2017	% change
Sources of revenue	677.1	632.6	7.0%
Net expenditures and transfers	632.9	606.7	4.3%
Net surplus	44.2	25.9	70.7%

Reconciliation of Operating Fund Results to Audited Statement of Operations above	2018	2017	% change
Operating Fund net surplus	44.2	25.9	70.0%
Accrual Adjustments:			
Capital expenditures net of amortization	74.0	19.7	275.6%
Investment income on internal endowments	2.4	15.6	-84.6%
Pension and non-pension adjustments	21.9	16.4	33.5%
Other accounting adjustments	(18.7)	34.5	-154.2%
Excess of revenues over expenses per audited financial statements	123.8	112.1	10.4%

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

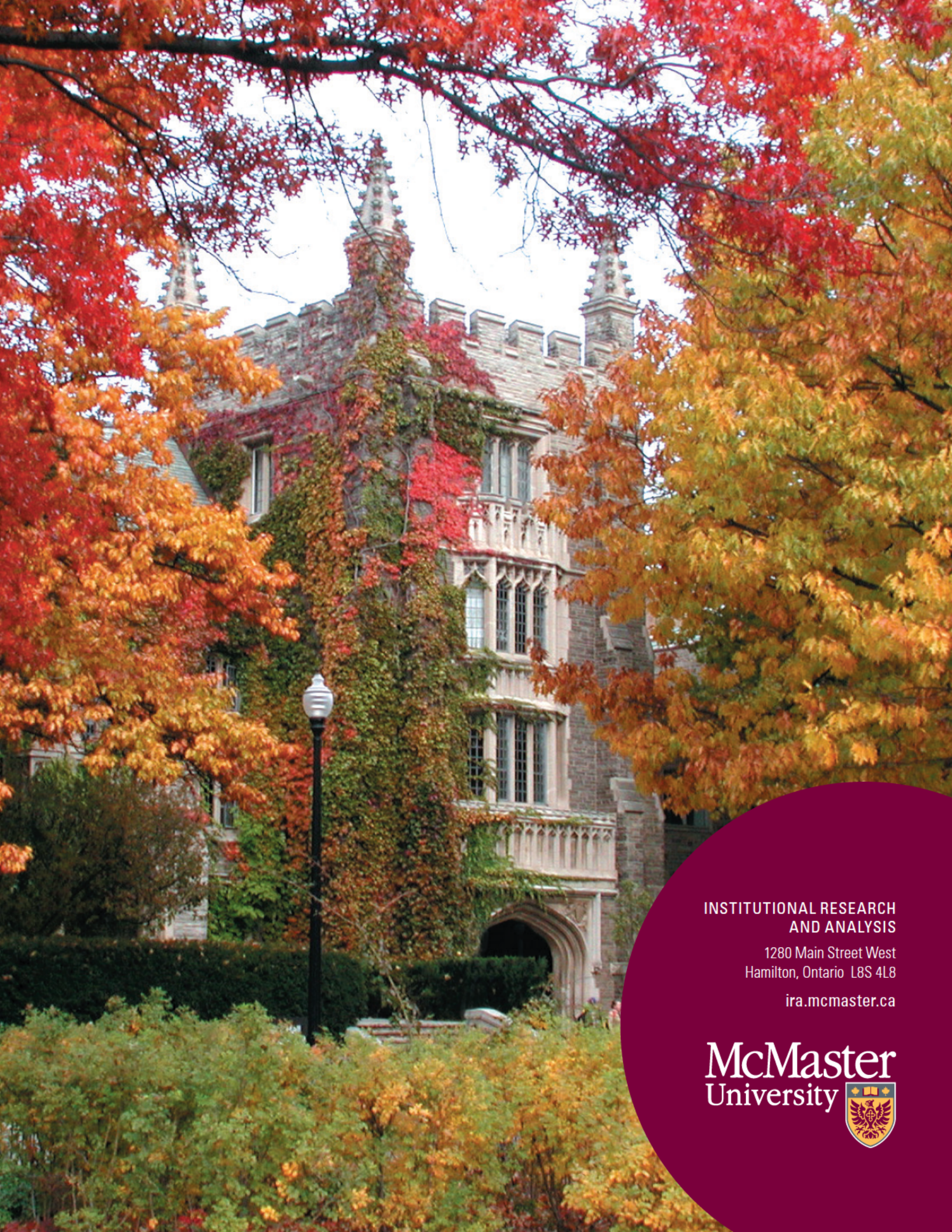
* Certain comparative figures have been restated to comply with current year's classifications.

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.
MAESD	Ministry of Advanced Education and Skills Development (formerly MTCU)
MTCU	Ministry of Training, Colleges and Universities (now known as MAESD)
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



INSTITUTIONAL RESEARCH
AND ANALYSIS

1280 Main Street West
Hamilton, Ontario L8S 4L8

ira.mcmaster.ca

McMaster
University

