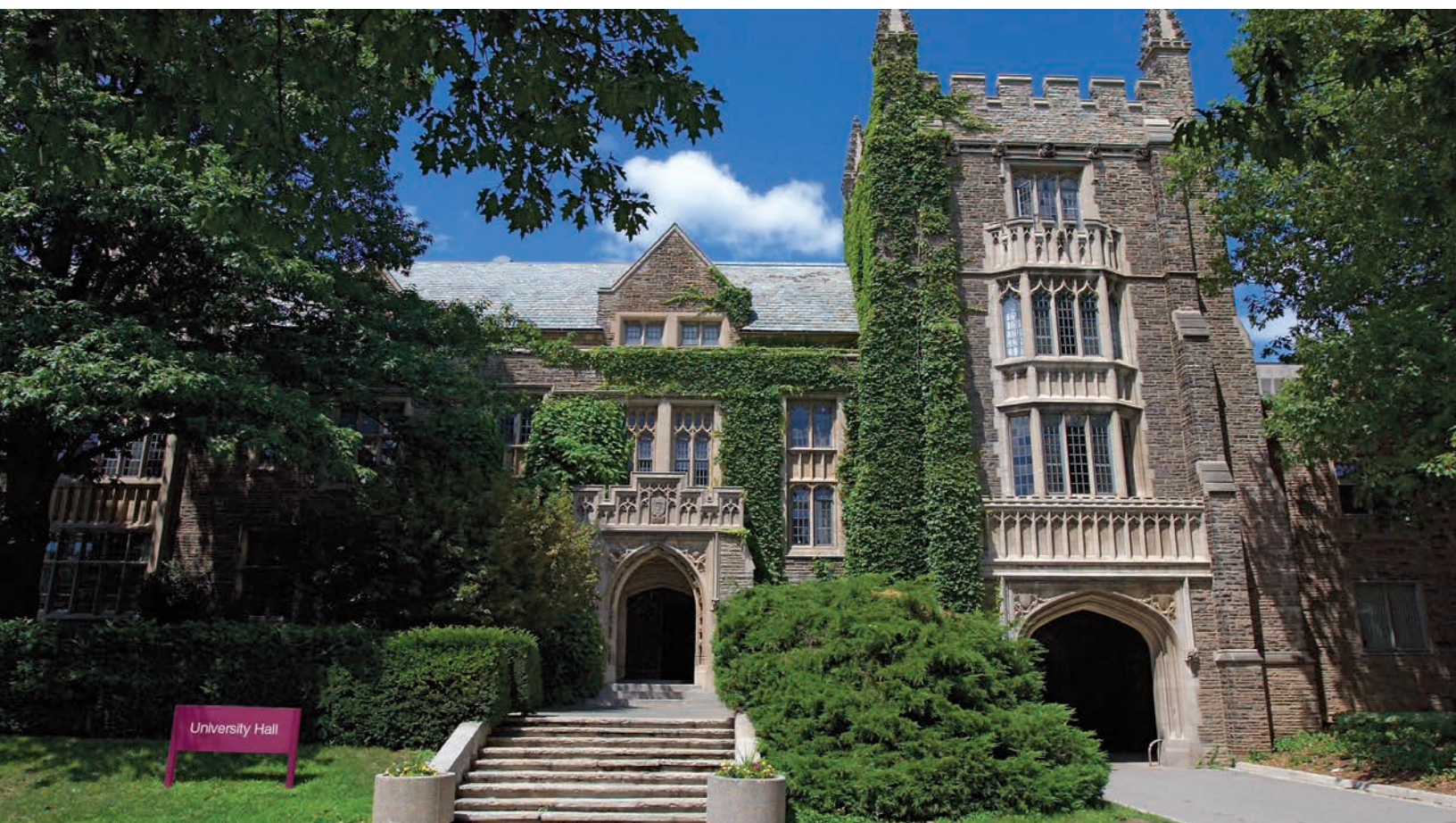


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McMaster University
Fact Book
2016 | 2017

McMaster
University 



FACT BOOK 2016-2017

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

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

ACKNOWLEDGEMENTS

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- Athletics and Recreation
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- Faculty of Business
- Faculty of Engineering
- Faculty of Health Sciences
- Faculty of Humanities
- Faculty of Science
- Faculty of Social Sciences
- Financial Aid and Scholarships
- Financial Services
- Human Resources Services
- McMaster Industry Liaison Office (MILO)
- McMaster Innovation Park

- McMaster Institute for Innovation and Excellence in Teaching and Learning (MIIETL)
- McMaster Museum of Art
- Network for Community Campus Partnerships
- Office of Public Relations
- Office of Research Services (ROADS)
- Office of the President
- Office of the Provost and Vice-President (Academic)
- Office of the Registrar
- Residence Admissions & Marketing
- School of Graduate Studies
- Student Accessibility Services
- Student Affairs
- University Advancement
- University Library

Introduction

October, 2017

We are pleased to present to the University community the 2016-2017 edition of the McMaster University Fact Book. The Fact Book is a compilation of the most frequently requested data and statistical information about McMaster University. It is intended to be a basic source of official University data and we hope that this will be a valuable resource for high-level, aggregate information.

A number of significant events took place during the 2016-2017 academic year. Once again, McMaster was ranked among the Top 100 universities in the world by the Academic Ranking of World Universities. For the second year in a row, McMaster University was also named one of Hamilton-Niagara's Top Employers. In 2016, McMaster developed several new programs that emphasize the University's focus on collaborative and innovative initiatives. McMaster's new Integrated Biomedical Engineering and Health Sciences (iBioMed) Program is the first program in Canada to offer a five-year degree integrating engineering and health sciences. The Faculty of Social Sciences also developed four new minors in Muslim Studies, Social Justice and Inclusive Communities, Social Studies of Mental Health and Addiction, and Public Leadership. The Faculty of Science launched two new Honours Bachelor of Applied Science specialization programs in collaboration with Mohawk College. The Integrated Business and Humanities (IBH) program jointly developed by the Faculties of Business and Humanities will also launch Fall 2017 with a focus on encouraging community engagement and sustainable business practices with a great deal of emphasis placed on responsible leadership and management tactics in a changing global economy.

In 2016, McMaster continued to show its dedication to public service, with a focus on fostering ongoing collaboration between the University and community partners. The McMaster Indigenous Research Institute, one of Canada's first university-wide Indigenous Research Institutes, was established in 2016 to support and sustain Indigenous research and knowledge across all disciplines. McMaster's emphasis on research and excellence continued throughout 2016. 15 McMaster researchers 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 10 McMaster graduate students named recipients of prestigious scholarships and fellowship and six 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



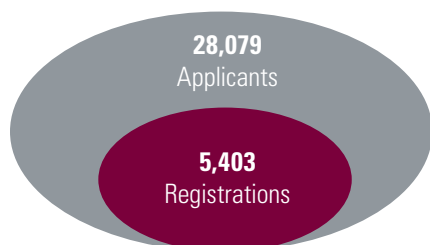
David Wilkinson
PhD, FRSC, FCAE, FCIM, FACerS, P.Eng
Provost and Vice-President (Academic)
Distinguished University Professor
McMaster University

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McMaster 2016-2017 Quick Facts

Undergraduate Admissions 2016



Source: Student Record System

Student Full-time Equivalencies by Immigration Status 2016

	Domestic	International	Total
Undergraduate FFTE	23,326.86	1,858.99	25,185.85
Graduate FTE	2,980.20	963.70	3,943.90

Note 1: The Fiscal Full-Time Equivalent (FFTE) count is calculated for each student as the proportion of the expected unit load for the full fiscal year of 2016.

Note 2: Graduate FTE enrolment is as of November 1, 2016 and as reported to MAESD.

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 2016

Undergraduate	Female	Male	Total
Full-Time	13,902	11,722	25,624
Part-Time	536	620	1,156
Total	14,438	12,342	26,780
Graduate	Female	Male	Total
Full-Time	1,892	1,820	3,712
Part-Time	448	325	773
Total	2,340	2,145	4,485
Total Headcount	16,778	14,487	31,265

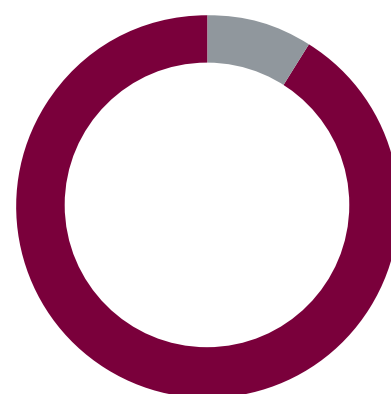
Note 1: Undergraduate and Graduate headcount enrolment is as of November 1, 2016 and as reported to MAESD.

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

Note 3: Includes Divinity.

Source: Student Records Database

Undergraduate Retention Rate 2016



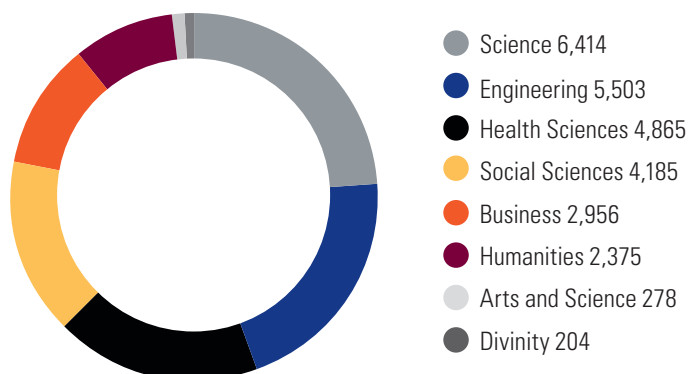
Continued to Second Year 90.9%

Did Not Continue 9.1%

Note 1: Retention rate is the percentage of first-time, full-time freshman in Fall 2015 who returned to McMaster in Fall 2016.

Source: Student Records Database, CSRDE

Fall 2016 Undergraduate Enrolment by Faculty



Note 1: Undergraduate and Graduate headcount enrolment is as of November 1, 2016 and as reported to MAESD.

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: Student Record System

106 Countries were represented by international students in 2016

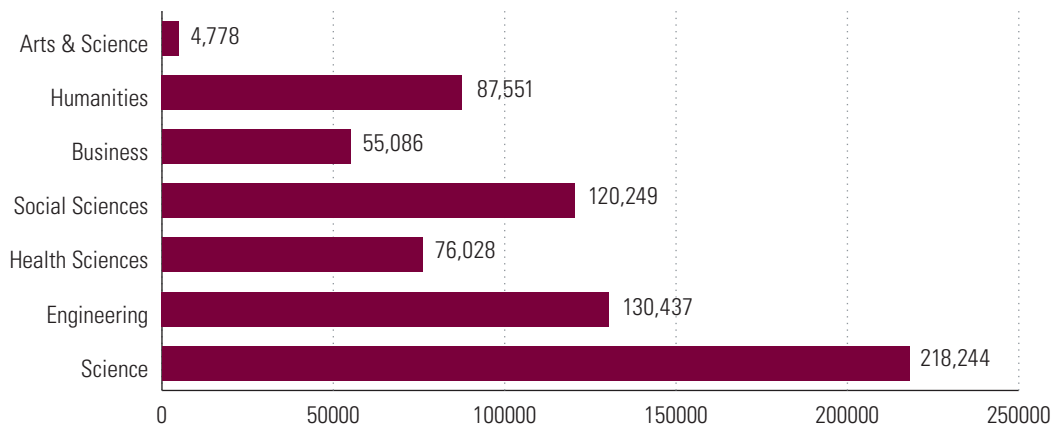
International Student Country of Origin Headcount (Undergrad and Grad) 2016	
Country	Number
China	1563
Hong Kong	253
India	176
Saudi Arabia	145
Nigeria	103
Iran, Islamic Republic of	81
United States	76
Others	694

Note 1: Headcount includes students on a co-op work term.
 Note 2: Headcount as reported on November 1st 2016.
 Source: Student Records Database

McMaster University World Ranking		
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 18 Universities in the world to achieve a 5 Star Plus rating in the QS Stars University Ratings in 2017.

Undergraduate Units Taught By Faculty Offering Course 2016/17



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 2016-2017 Academic Year
 Source: Student Records database and Course Scheduling system

Number of Degrees Awarded 2016

Faculty	Bachelor	First Professional	Masters	Doctoral	Graduate Cert. and Diploma	Total
Business	450	0	258	9	0	717
Engineering	890	0	211	64	1	1,166
Health Sciences	795	204	265	58	23	1,345
Humanities	556	0	104	13	1	674
Science	1283	0	120	63	0	1466
Social Sciences	971	0	108	23	0	1102
Arts & Science	55	0	0	0	0	55
Interdisciplinary	0	0	161	30	0	191
Total	5000	204	1227	260	25	6716

Note 1: Refers to total degrees conferred at annual June and November convocations. | Note 2: Excludes Divinity. | Source: Student Records Database

McMaster 2016-2017 Quick Facts

Number of Full-Time Faculty 2016

Faculty	Business	Engineering	Humanities	Science	Social Science	Health Science	University Total
Full Professor	33	88	33	119	36	106	415
Associate Professor	24	40	58	49	49	82	302
Assistant Professor	17	40	23	23	40	72	215
Lecturer	4	6	0	1	6	0	17
Total Faculty	78	174	114	192	131	260	949

Note 1: As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV)

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

Source: Human Resources

McMaster Academic Research*

Total Sponsored Research Income (\$000) in 2015-2016	\$354,619
Research Intensity Ratio (\$000) ¹ in 2015	\$358.3
Number of Canada Research Chairs	70
Number of Research Centres and Institutes at McMaster	70+
Number of Highly Cited Researchers in 2016	14
Research Intensity Rank for Medical Schools in Canada	1

¹ Measures Sponsored Research Income per Faculty

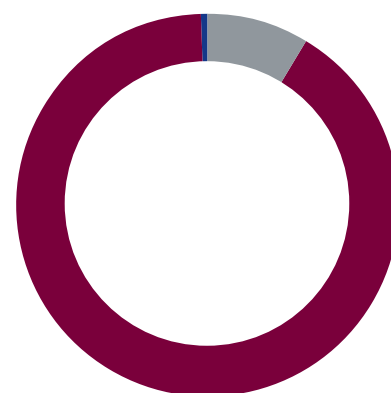
Source: McMaster Research Finance, CAUBO, Research InfoSource 2016 and Thomson Reuters Highly Cited Researchers 2016

Employee Count as of July 4, 2017

Employee Group	Headcount
Unifor Local 5555	2,378
CUPE Local 3906	1,157
IUOE Local 3906	2,268
SEIU Local 2	180
MUALA (Librarians)	24
The Building Union of Canada (The BUC)	229
The Management Group (TMG)	643
Senior Academic and Administrative Officers	15
Clinical Scholars, Research Associates (Academic) and Fellows	86
Temporary Staff	5,056
Total	10,891

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

Highest Degree of Full-Time Faculty Members 2016



- Percent PhD/MD 94.6%
- Percent Masters 5.0%
- Other 0.4%

Note 1: As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV)

Source: Human Resources

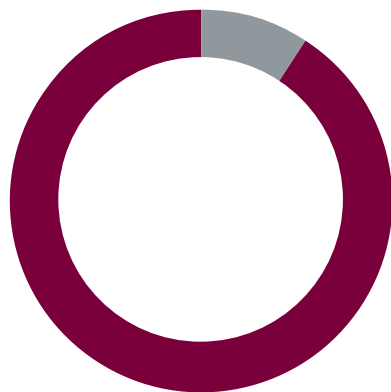
McMaster's Full-Time faculty members have an average age of 50.9 years, with an average of 14.6 years at the university.



24% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 21% in Engineering and 18% in Health Sciences.

In 2016, 28,079 undergraduate applications were received from Ontario high schools.

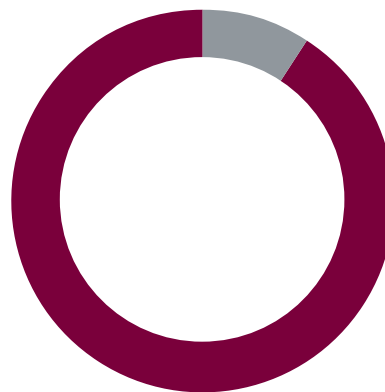
Progression of 2010 McMaster's Cohort after 5 years*



Completed or
In Progress 90.7%

Withdrawn 9.3%

Progression of 2006 Doctoral Cohort after 9 years



Completed or
In Progress 78.5%

Withdrawn 21.5%

*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)*

	2016	2017
Revenues	\$954.4	\$1,093.2
Expenses	\$925.3	\$964.0
Excess of revenues over expenses	\$29.1	\$129.2

McMaster Statement of Financial Position – Audited (Millions)*

	2016	2017
Assets	\$2,242.1	\$2,584.5
Liabilities	\$1,349.4	\$1,473.1
Net Assets	\$892.7	\$1,111.4

Note 1: Year ended April 30, 2017.

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. As a research-focused student-centred university, 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. McMaster is one of Canada's most research-intensive universities; one of only two institutions in the province to be ranked among the top 100 universities in the world and one of only four in Canada.

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. McMaster has a deeply integrated teaching, learning and research mandate. We develop innovative and entrepreneurial graduates, undertake cutting-edge research on a range of pressing issues, and serve our community by leading and partnering on a variety

of locally-focused 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 has long committed to integrating our world-class research enterprise into teaching and learning, and connecting the learning experience to our local, national and international communities.

KEY INITIATIVES

- The Paul R. MacPherson Institute for Leadership, Innovation and Excellence in Teaching continues to launch new initiatives and to provide strong pedagogical and research expertise to enable program enhancement and technology integration. Through the Student Partners Program, students have contributed to the design and development of new courses, helped create resources for faculty and students, and collaborated with staff and faculty partners on research projects related to teaching and learning.
- The multipurpose Peter George Centre for Living and Learning is now under construction. Other projects to address student need and enhance student life are underway, including plans to build a new residence with 800 beds and expand the existing recreational and fitness facilities, in partnership with the student body. Enhancements to the educational environment have also been made over the last year with the opening of state-of-the-art active-learning classrooms in L.R. Wilson Hall that will facilitate problem-based learning, inquiry, simulations, case-studies and collaborative research.
- Across the University, students continue to be offered opportunities to engage in transformative experiential learning experiences and work-integrated learning, both within Canada and overseas. Recent initiatives include:
 - The Honours BA in Indigenous Studies offered to both Indigenous and non-Indigenous students provides opportunities to explore the intellectual traditions of many Indigenous peoples, with an emphasis on the Haudenosaunee and Anishinaabe of Southern Ontario.
 - The McMaster Manufacturing Research Institute (MMRI), one of Canada's most advanced and best-equipped research laboratories in this field, undertakes high-profile applied research in cooperation with industrial partners. It provides education and training for both graduate and undergraduate students and showcases students' skills to the companies that work with MMRI.
 - Students may enrol in a new technical elective, ENGINEER 4EX3: Experiential Engineering Design, to earn recognition for design-based experiential learning conducted through a technically oriented McMaster Engineering club or team.
 - As part of the Global Health Program, students can experience a for-credit Interdisciplinary Global Health Field Course on Maternal and Infant Health in Morocco. Students learn Arabic while living with Moroccan families, visit a group that supports unwed mothers to prevent child abandonment, and travel to the medieval Islamic city of Fez to learn about Islamic healing, broadening their awareness and experience of different healthcare systems and cultures.
- McMaster is a member of the Ontario Universities International (OUI) Consortium and maintains vibrant region-to-region partnerships with networks of universities in China, France, Germany, and India. These partnerships enable students to participate in a variety of programs at partner institutions and expand their learning experiences.
- 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 Health Leadership Academy, jointly managed by the Faculties of Business and Health Sciences, is focused on developing healthcare leaders who are able to identify and support innovative new ways of delivering healthcare, and offers certificate and diploma programs, and a pathway to an accelerated MBA, for healthcare students and professionals.
 - The Integrated Business and Humanities (IBH) program jointly developed by the Faculties of Business and Humanities, will encourage community engagement



McMaster is
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the TOP 100
UNIVERSITIES
in the world.

and sustainable business practices, with a great deal of emphasis placed on responsible leadership and management tactics in a changing global economy.

- An Interdisciplinary Minor in Community Engagement was launched in 2016-2017. This program teaches students theory and principles, and also provides hands-on experience of working with the community.
- The Faculty of Social Sciences has developed four new minors, approved during 2016-2017, to offer students greater opportunities to tailor their educational pathways to their unique interests. The new Minors are in Muslim Studies, Social Justice and Inclusive Communities, Social Studies of Mental Health and Addiction, and Public Leadership.
- The new Integrated Biomedical Engineering and Health Sciences (iBioMed) Program is the first program in Canada to offer a five-year degree integrating engineering and health sciences. The iBioMed program will offer multiple pathways to careers in health, engineering and entrepreneurship.
- McMaster supports a variety of initiatives intended to equip our students with the leadership skills needed to be engaged and successful global citizens, and to transition successfully from the academy to the

workplace. Recent initiatives include:

- The McMaster Digital Transformation Research Centre (M-DTRC), based at McMaster's Ron Joyce Centre in Burlington, is poised to become a world-leading research centre with a focus on the leadership and management of digital transformation and its impacts on individuals, organizations, and society.
- The School of Social Work offers a Graduate Diploma in Critical Leadership in Social Services and Communities, which was first offered in Fall 2016. The diploma aims to enhance progressive leadership in the community and social service sectors.
- The Wilson Leadership Scholar Award, hosted by McMaster University, selects three Wilson Leaders in their final two years of undergraduate study each year. Each Wilson Leader receives a \$50,000 award along with admission to an elite leadership development program that enables them to graduate from McMaster with the skills needed to become Canada's next generation of leaders in a variety of fields.
- 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.

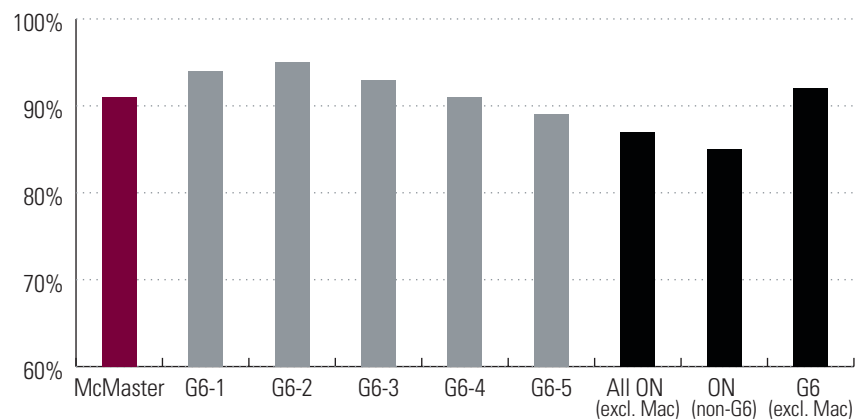
KEY OUTCOMES

- Since 2013, the MacPherson Institute has engaged more than 200 undergraduate and graduate students in their Student Partners Program and has been instrumental in the redesign of more than 30 online and blended courses, e-Modules, and more recently, Massive Open Online Courses (MOOCs).
- In the 2015 National Survey of Student Engagement (NSSE) 86 per cent of respondents rated their entire McMaster educational experience as good, or excellent.
- McMaster has continued to make innovations in online and blended learning:
 - The new Master's in Child Life and Pediatric Psychosocial Care graduate program is now delivered with a creative web-based online learning format, complemented by two residency periods – a mode of delivery unique in child life education.
 - McMaster's Bachelor of Technology program is placing its Information and Communication Technology degree program completely online in both lecture and lab contexts.
 - McMaster has developed an innovative blended format for high-enrolment foundational courses, in subjects such

as introduction to macroeconomics, biology, chemistry, physics, psychology, and environmental science, with more to come.

- McMaster's efforts to provide global engagement opportunities have yielded more than 85 exchange agreements developed from research collaborations, which provide opportunities for 1-2 semesters of study overseas, as well as many successful collaborations and research internships through the Mitacs Globalink and Rise programs.
- In partnership with Mohawk College, the Faculty of Science launched two new Honours Bachelor of Applied Science specialization programs in Fall 2016. Students undertaking Honours Human Behaviour (Autism and Behavioural Science Specialization) or Honours Human Behaviour (Early Childhood Education Specialization) pursue two qualifications simultaneously, with graduates receiving 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.
- In 2016-2017, McMaster enrolled 1,884 credit transfer students (an increase of 68% compared to 2015-2016) from 20 Ontario universities and 20 Ontario colleges.
- McMaster continues to encourage and support student entrepreneurs. Since its establishment nearly three years ago, The Forge has incubated more than 60 companies and is currently housing 43. Three companies have moved out of The Forge as self-sustaining and profitable ventures and another 34 companies are either earning revenue, have received investment, government funding, or competition award money. In the past year, more than 1,800 students have participated in Forge@Mac events, with over 550 students having participated in on-campus entrepreneurial competitions, ranging from the "Stand Up and Pitch!"

Undergraduate First Year to Second Year Retention Rates – Fall 2016

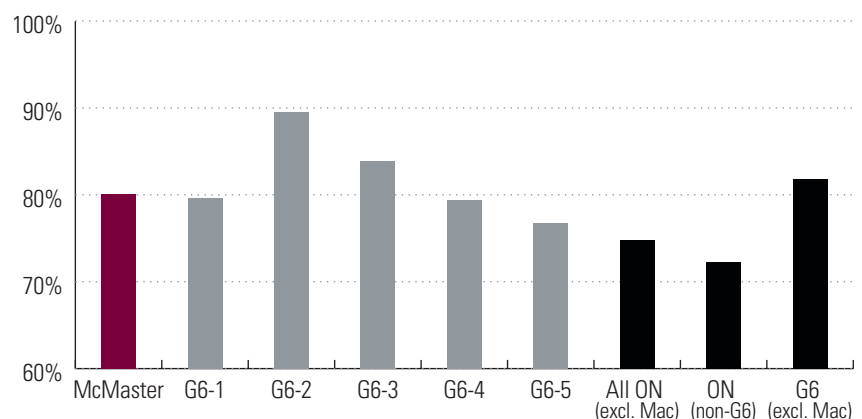


Note 1: Retention rates are based on first-time, full-time undergraduate students who commenced their studies in the previous year and have continued to study at the same institution in the reporting year.

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

Source: CSRDE (Consortium for Student Retention Data Exchange) 2017

Undergraduate Eight Year Graduation Rate – 2015



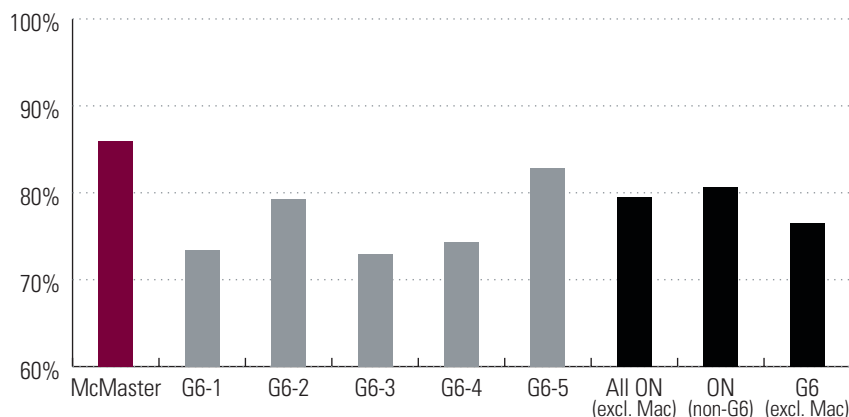
Note 1: The university graduation rate is calculated through the selection of all first year, new to the institution, undergraduate students from the Fall enrolment file 8 years prior, who received a bachelor or first professional degree.

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: Key Performance Indicators 2017

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

NSSE – Entire Educational Experience Rated as Excellent or Good – 2014

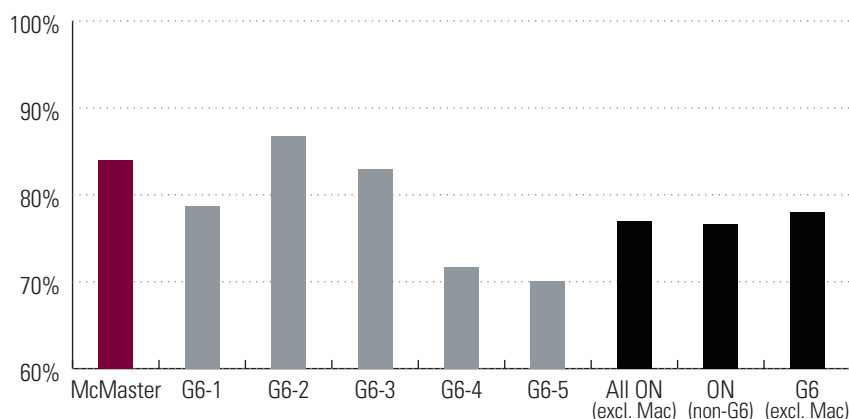


Note 1: Ontario universities administer the NSSE survey every 3 years and 2014 is the last available data.

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.

NSSE – Would you start over at the same institution Rated as Definitely Yes, or Probably Yes – 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.

team competition for potential start-ups to Delta Hacks III, focused on finding solutions to real world problems.

- 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, as against the Ontario average of 88.8 per cent. To support students in finding jobs and connecting them with local employers the University also presents Connect to Careers, Hamilton's largest job fair, in partnership with Mohawk College, Redeemer University College and the City of Hamilton. In total, 1586 job seekers and more than 145 exhibiting employers attended the 2017 event.
- The DeGroote School of Business actively promotes bridging the classroom and the commercial world and supports students in developing the skills needed to succeed in the workplace: the Canada's Next Top Ad Exec (CNTAE) competition encourages undergraduate and MBA students to facilitate a transfer of dialogue and expertise, while the Executive MBA in Digital Transformation, which welcomed its inaugural cohort of students in September 2016, enables students to learn from faculty instructors in the classroom, as well as from industry experts on-site in Silicon Valley, California. The success of DeGroote's approach can be demonstrated by the fact that 92 per cent of students in the 2016 MBA co-op program have already secured employment with an average starting salary of \$71,930.

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. In addition to this societally-focused research, teaching and service, 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, including Indigenous students, Crown Wards and First Generation students.

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:
 - 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.
 - The Indigenous Undergraduate Summer Research Scholars program (IUSRS) run by MIRI, invited Indigenous undergraduate students from universities across Canada to apply to an eight week opportunity for hands-on experience in a graduate research environment.
 - A longstanding partner with Six Nations Polytechnic (SNP), McMaster works with SNP to assist their students in transitioning to university. McMaster also provides scholarly and financial support to the SNP Indigenous Knowledge Centre, which brings together ancestral Indigenous knowledge and modern academic knowledge to advance the well-being of all peoples.
 - McMaster opened an Indigenous Circle, an outdoor space for classes, ceremonies, performances and other activities. It was designed to affirm the importance of Indigenous knowledge to the McMaster community.
- The Office of Community Engagement, created in June 2016, is developing a Teaching and Learning Toolkit that will support faculty, staff and students in integrating McMaster's Principles of Community Engagement into educational programming. During 2016-2017 the Office also launched Community Connector 101, which highlights relevant community engagement information for both community and campus partners, and Pathways to Collaboration, which helps community organizations navigate and explore both research and education partnership opportunities with McMaster.
- 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 McMaster Discovery Program (MDP) is a free, university-level, non-credit course offered to adults living in Hamilton who experience barriers to accessing higher learning opportunities. The Program will welcome its seventh cohort in Fall 2017, and has now graduated approximately 140 students. During 2016-2017, MDP also expanded its offerings by holding a series of discussion groups for its alumni.
 - The Venture Outreach program celebrated its 25th anniversary in 2016. Events included welcoming more than 40 Indigenous students for two free weeks of camp, providing hands-on engineering workshops for more than 6,500 students from Six Nations of the Grand River and New Credit First Nations, and hosting the annual STEM Conference, offered free for 180 Indigenous youth in Grades 5-8, intended to inspire them to pursue a future in STEM fields.
 - 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, the MCYU in the City program engaged 55 undergraduate and graduate students in developing 52 inquiry-based workshops and delivered them in partnership with 12 community organizations (including schools and libraries) throughout the greater Hamilton area.
- McMaster seeks to build a strong network of international partnerships supported within our world-class learning and



McMaster remains a significant source of employment within our community, and in 2016 was named one of Hamilton-Niagara's Top Employers.

research environment, which encompass an extensive network of research partnerships, internships and exchanges with institutions around the globe. McMaster's International Initiatives Micro-Fund (IIMF) has been highly successful in providing seed funding for such initiatives.

- McMaster continues to lead and actively engage in a range of initiatives within the City of Hamilton, including:
 - In November 2016, CityLAB Hamilton was approved for a 3-year pilot. CityLAB Hamilton is a partnership between McMaster, Mohawk College, Redeemer University College and the City of Hamilton and will benefit students and the community through innovative projects intended to advance the strategic priorities of the City. The pilot program will engage our talented students in community improvement initiatives, more purposefully connect them to Hamilton, and allow them to earn credits towards their degree.
 - The Faculty of Social Sciences Scholar in Community program is entering its second year. A current project 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 MAC H2OPE Clinic (Helping

Hamiltonians through Occupational and Physiotherapy Engagement) is a joint initiative between McMaster's School of Rehabilitation Science and the YMCA of Hamilton/Burlington/Brantford. The program provides occupational therapy and physiotherapy to individuals who do not have access to these services through public or extended health funding. Under the supervision of registered therapists, students assess and treat individuals for a wide range of different conditions.

- The Synapse Life Science Consortium – a collaborative effort involving McMaster, Hamilton Health Sciences, St. Joseph's Hospital, Mohawk College and the City of Hamilton – is helping to grow the life sciences industry in the Hamilton region, offering a platform for life science development that is unique in Canada.

KEY OUTCOMES

- In 2016-2017, McMaster welcomed 4,360 fulltime first-generation students (representing about 15 per cent of McMaster students), over 450 (1.5 per cent) Indigenous learners (First Nations, Métis, and Inuit) and 1,547 (5 per cent) students with disabilities. McMaster continually strives to improve access

to underrepresented groups through innovative pathway programs and initiatives.

- A direct outcome of the March 2016 Change Camp Hamilton hosted by the Office of Community Engagement, Hack the City is a student-led extra-curricular initiative that provides McMaster students with the opportunity to tackle real-world challenges brought to them by community and industry partners. In its first year, Hack the City engaged with 100 McMaster students who were presented with challenges around themes of energy, healthcare, and transportation. Winning teams in each of three categories are currently working with City and industry partners to pursue their proposals.
- 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 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. Since launching in 2015, the program has grown to offer introductory and advanced programming

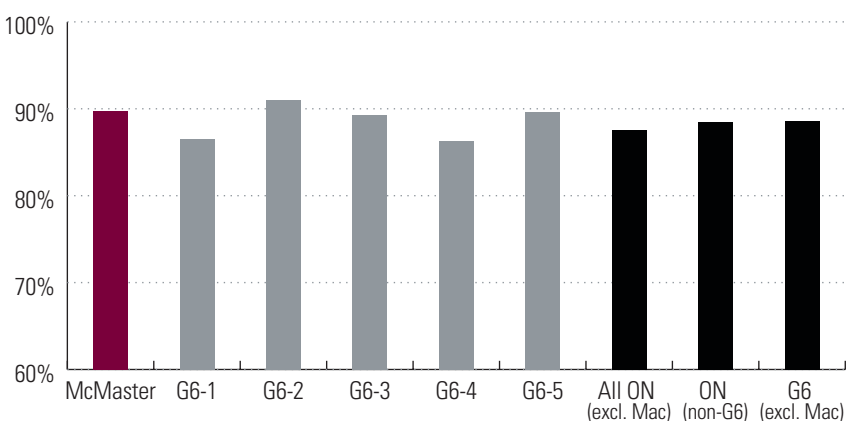


L. R. Wilson Hall for Studies in Humanities and Social Sciences Opened in 2016/17, L.R. Wilson Hall for Studies in Humanities and Social Sciences is a \$55 million dollar facility that includes our Active Learning Classrooms, lecture halls, research space, our Black Box Theatre, and our Concert Hall.

for a total of 16 weeks of camp, as well as school year programs in 2017.

- McMaster students gained valuable experience and connected with our local and broader communities through a variety of learning and research-based initiatives:
 - Upper-year students in the Faculty of Social Sciences undertake a student-driven experiential capstone course "Social Sciences in Action", which has them engaged in community-based research.
 - In summer 2016, students in the Faculty of Humanities travelled to the Canadian Museum for Human Rights for an intensive experiential workshop, as part of the "Human Rights in History" course. Another offering will take place in summer 2017.
 - Students in the School of Nursing hone their skills through simulation-based learning on campus, which is followed by clinical placements throughout the Hamilton, Halton, Peel, Niagara, and Brant regions.

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 2 years before the year displayed.

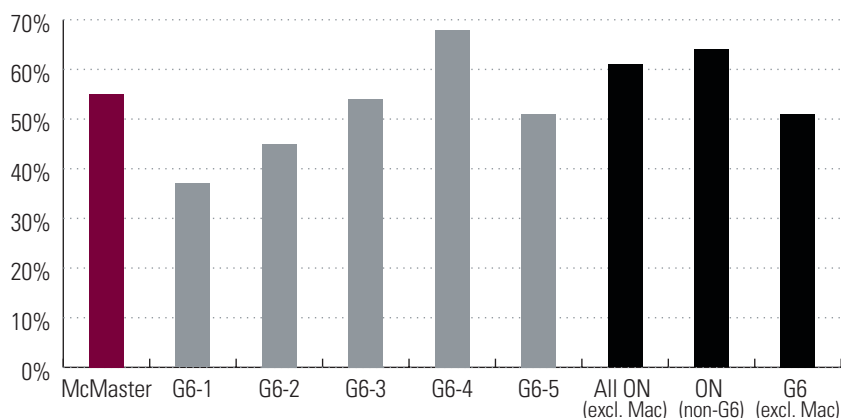
Note 3: G6-1 to G6-5 represent McMaster's Ontario peers who are members of the U15 (Canada's 15 research-intensive universities).

Source: Ontario University Graduate Survey (OUGS) 2016



McMaster's students have been successful in finding employment, both within the local economy and further afield.

Students Receiving OSAP as a Percentage of Total Enrolment 2015-2016



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 enrolled at institution (based on November 1st reporting).

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: OSAP and Official government enrolment data.

- The McMaster Research Shop, developed by the Faculty of Social Sciences, is a knowledge exchange service, which connects student learning with community research needs. Since its inception in 2015, the McMaster Research Shop has completed 11 projects, which engaged 13 different organizations and more than 40 students from all six Faculties.

- McMaster's students have been successful in finding employment, both within the local economy and further afield; 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 second year in a row, McMaster was named one of Hamilton-Niagara's Top Employers, a designation that recognizes those employers that offer exceptional places to work. With approximately 15,900 faculty and staff, McMaster is one of the largest employers in the greater Hamilton area.

- The McMaster English Language Development (MELD) diploma program run by the Faculty of Humanities was designed to enable international students to improve their English Language skills prior to attending their first year at university. Enrolment in the program has grown from 36 students in 2014-2015 (inaugural year) to 160 students in 2016-2017.

- A total of 45 proposals have received IIMF funding over the past two years, with sixteen projects, totalling \$80,000, being funded in the last funding round. This program provides seed funding to support international research partnerships and joint international activities with leading universities and institutes around the globe, with the most recent funding being used to advance projects as diverse as understanding the impact of climate change on glaciers in Peru; altering vehicle design to protect soldiers in combat environments; and developing a new framework to help Syrian newcomers integrate and find work.

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

McMaster is a world renowned research-intensive University that 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 and issues. 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 is a powerhouse in advanced manufacturing and materials research. Building on these strengths, the Biomedical Engineering and Advanced Manufacturing Fraunhofer Project Centre (BEAM), brings together researchers from science, health sciences and engineering. With some 35 industry partners, researchers will develop novel technologies for eye care, point-of-care diagnostics and cancer treatments. The \$33 million state-of-the-art facility, located at McMaster Innovation Park, will be open for business early in 2018, and is expected to create more than 75 highly qualified jobs.
- The Government of Ontario has committed \$35M towards a unique Consortium involving McMaster and two other top research-intensive and industrially collaborative universities. The Advanced Manufacturing Consortium is intended to lead Ontario in emerging sectors such as next-generation additive manufacturing, and digital components and devices, with the goal of creating impact on a global scale.
- 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 SME's, students work on experiential learning projects in support of industry needs, while studying and working at MARC.
- McMaster is well-known as a centre for microbial research, reflected in two of its major institutes: the Michael G. DeGroote Institute for Infectious Disease Research is recognized globally as a centre of innovation excellence for its work on addressing the global epidemic of drug resistant infections, and the Farncombe Family Digestive Health Research Institute, which performs cutting edge research on the microbiome.
- McMaster has a particular expertise in longitudinal studies, currently housing four unique studies: the Canadian Longitudinal Study on Aging (CLSA), a 20-year study of more than 50,000 men and women; the Prospective Urban Rural Epidemiology (PURE) cohort study of 190,000 subjects in 25 countries; the Canadian Healthy Infant Longitudinal Development (CHILD) cohort study of 3,500 Canadian children and their families from pre-birth to school age and beyond; and the Aboriginal Birth Cohort (ABC) study of mothers and infants from the Six Nations Reserve.
- 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, its research capacity continues to grow, thanks to major investments from CFI, MRIS and other partners. With the impending closure of the National Research Universal (NRU) reactor at Chalk River Laboratories, MNR will be the sole nuclear research facility above low thermal power in the country:
 - One of only four such facilities in the world, the McMaster Intense Positron Beam Facility supports environmentally



The Fraunhofer Project Centre for Biomedical Engineering and Advanced Manufacturing (BEAM) research facility, will be home to several of McMaster's leading researchers operating from a state-of-the-art facility to be constructed at the McMaster Innovation Park. The \$33 million facility, to be open for business early in 2018, is expected to create more than 75 highly qualified jobs.

sustainable methods of material production and benefits the automotive, steel, and nuclear reactor sectors.

- The Centre for Advanced Nuclear Systems, which includes a unique hot cell facility, will advance the study of materials, safety and medical applications of nuclear technology.
- The Small Angle Neutron Scattering facility is the only one of its kind in Canada and will allow researchers to understand the structure and function of relationships across a range of new materials, from new plastics to superconductors and magnetic materials, to biomaterials and new steels.
- The reactor is also an international point of reference for numismatic research. Researchers from McMaster's Department of Classics are able to work in collaboration with nuclear scientists on McMaster's ancient coin collection to advance knowledge of the economies and societies of ancient civilizations, enhance the recovery and preservation

of valuable artefacts, and improve scientific methods for analyzing diverse materials.

- McMaster researchers are playing a leading role in working to address the most significant global issues. Recent initiatives include:
 - Developing water security monitoring systems and predictive modelling tools, to deliver innovative risk management solutions to better manage global water futures. In partnership with Indigenous communities, McMaster researchers are developing appropriate water quality tools, and are working with Canadian boreal communities to develop a novel social-ecological systems decision support tool.
 - Funded by the Canada First Research Excellence Fund and other partners, the \$143-million Global Water Futures project will see senior McMaster researchers collaborating with their peers from the University of

Saskatchewan, University of Waterloo and Wilfrid Laurier University to transform the way in which we study, manage and steward water. The project draws on McMaster expertise in the areas of hydrology, climate change, the Great Lakes, flood forecasting, groundwater pollution, environmental contamination and public policy.

- 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 standard practices within businesses, governments and labour organizations.
- Researchers in the Labarge Centre for Mobility in Aging, housed in the McMaster Institute for Research on Aging, are taking an interdisciplinary approach to examine the biological, behavioural, technological and environmental factors affecting how

people age. Their work, which engages researchers from every Faculty, as well as clinicians, will lead to a better understanding of issues associated with mobility in aging; optimize the well-being of Canadians; and reduce health and social costs.

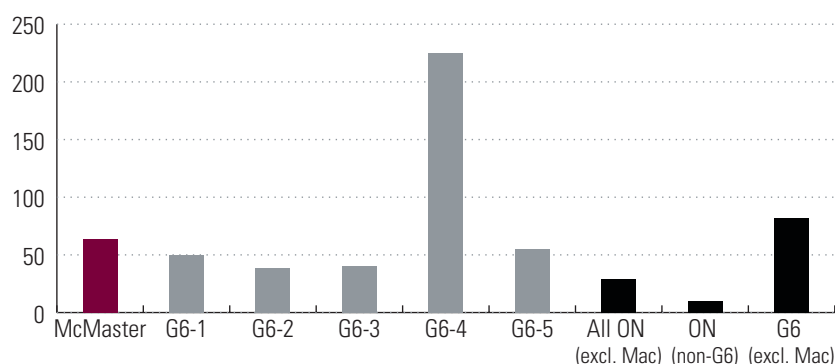
- McMaster is creating and fostering links with global researchers ranging from joint PhD programs, international research partnerships involving research institutes such as BIMR, CCEM, MARC, BigData, Population Health and the McMaster Nuclear Reactor, and engagement with our EU partners in the Erasmus+ program.

- The Government of Canada and Province of Ontario have announced a \$43 million investment 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 lab upgrades, and retrofitted and improved infrastructure in the Arthur Bourns Building, as well as an energy Co-Generation project.

- The University Library is collaborating with the Research & High Performance Computing Support unit to implement VIVO, an open-source platform that makes McMaster researchers and their work more prominent on the web. The Library also has a lead role in developing research data management infrastructure and promoting a culture of data stewardship at McMaster.

- McMaster is focused on supporting the commercialization of the cutting-edge work undertaken by our researchers, enabling them to successfully bridge the gap from research to commercial application:
 - The McMaster Industry Liaison Office (MILO) receives 80 to 100 invention disclosures per year and supports five to six projects at any given time in its small incubator set-up, MILO PreINC.

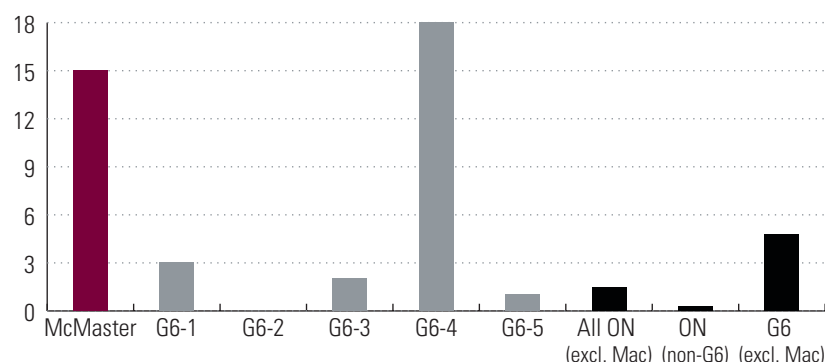
Canada Research Chairs, as of March 2017



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

Source: Canada Research Chairs, March, 2017

Highly Cited Researchers 2016

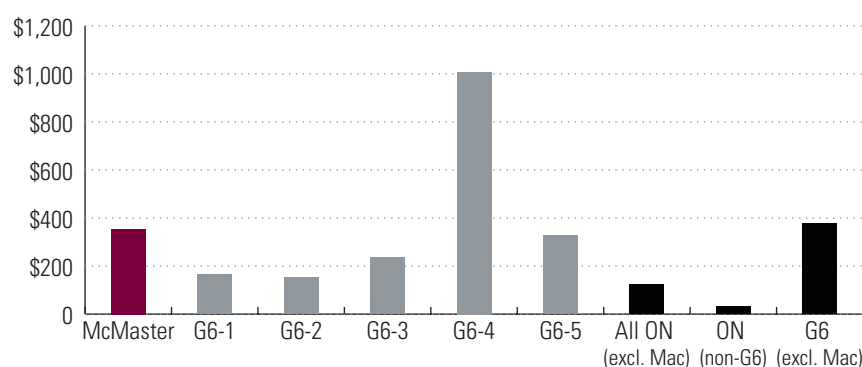


Note 1: Highly Cited Researchers is a list of leading researchers in sciences and social sciences from around the world. The 2016 list focuses on highly cited papers in science and social sciences journals indexed in the Web of Science Core Collection during the 11-year period 2004-2014.

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: Thomson Reuters Highly Cited Researchers 2016

Total Sponsored Research Income (\$000) 2015-2016

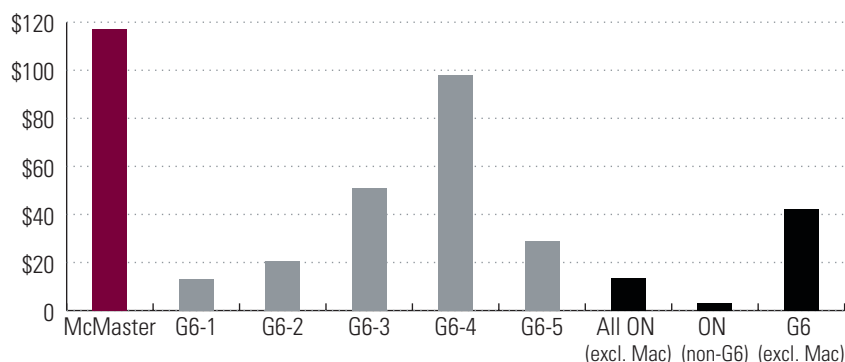


Note 1: 2015-2016 is the latest comparable data available.

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

Research Funding from Industrial Sources (\$000,000) 2015-2016



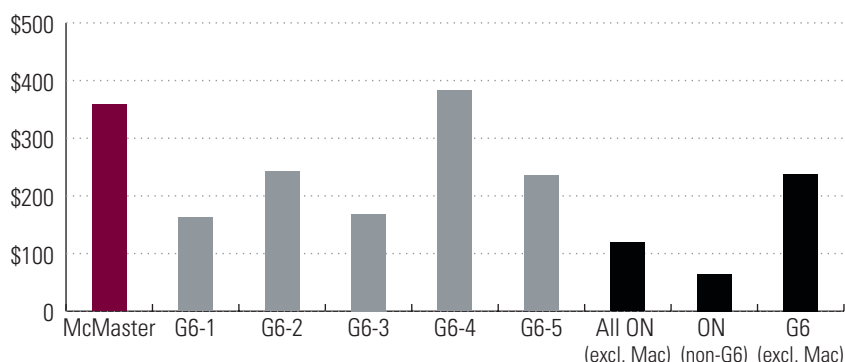
Note 1: 2015-2016 is the latest comparable data available.

Note 2: Research Funding from Industrial Sources includes sponsored research from business enterprises, as defined by the Canadian Association of University Business Officers (CAUBO).

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: Canadian Association of University Business Officers (CAUBO) 2017

Research Intensity Ratio (\$000) 2015-2016



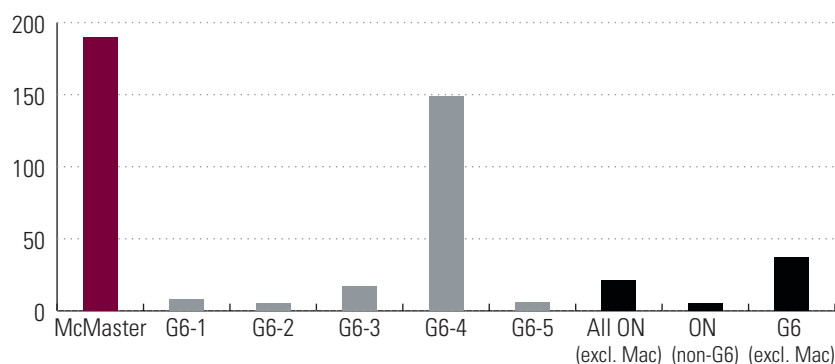
Note 1: Data includes only institutions that are part of the top 50 Canadian research universities.

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

Note 3: 2015-2016 is the latest comparable data available.

Source: Research InfoSource 2016

New Licenses 2015



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

(Canada's 15 research-intensive universities).

Source: Association of University Technology Managers (AUTM), Canadian Licensing Activity Survey 2016.

- McMaster Innovation Park (MIP) provides a range of office, lab and specialized facilities to more than 55 companies with over 700 people working onsite. The incubation space supports 13 companies, with two companies supported by the Biotech incubator, and a further two companies housed in the Don Pether Incubation Centre.
- The Innovation Factory, established in 2014, has worked with 700 different individuals, groups and start-up companies since inception.

- 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 PhD program in Communication, New Media and Cultural Studies brings together three interdisciplinary fields using tools from the arts, humanities, and social sciences.
- The Executive MBA in Digital Transformation 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.
- Those who have gone on to a career in industry can now earn an engineering doctoral degree while continuing to work. The new flexible Industrial PhD option, which launched in 2016, allows students to conduct their research at labs in their workplaces.
- The Master of Science in Speech & Language Pathology (beginning in September 2017) will prepare students to deal with the management of communication and swallowing disorders.

Over the last five years, from 2012 to 2016, McMaster researchers generated over \$1.6 billion in external research funding.



KEY OUTCOMES

- In 2016, McMaster ranked second in the province and second in the country for research intensity, averaging \$358,300 per faculty member, a 5.5% increase from the previous year, and more than double the national average, and eighth overall in total research income, bringing in some \$324.6 million (source: Re\$earch Infosource). We are one of only two Ontario universities consistently ranked among the top 100 universities in the world and one of only five in the country.
 - McMaster's Centre for Probe Development and Commercialization (CPDC) secured \$33 million in venture capital financing to launch a new company in Hamilton. This company, Fusion Pharmaceuticals, will develop treatments using medical isotopes to identify, attack, and eradicate cancer cells.
 - Over the last five years, from 2012 to 2016, McMaster researchers generated over \$1.6 billion in external research funding.
 - Over the last 15 years, McMaster has secured some \$4.6 billion in research funding and researchers have published 36,469 papers in peer-reviewed scientific international journals. This places McMaster sixth in Canada and rivals universities nearly double its size.
 - The strength of McMaster's research is seen in the 2016 listing of the world's most highly cited researchers from Clarivate Analytics. The listing included 15 McMaster researchers, which was the second highest among the U15 institutions.
 - McMaster is home to 70 Canada Research Chairs (CRCs), 109 endowed chairs, 12 endowed professorships, two Canadian Institutes of Health Research Chairs, one Canada Excellence Research Chair (CERC) and six Natural Sciences and Engineering Research Council (NSERC) industrial research chairs. The University also has more than 70 research centres and institutes.
 - McMaster has the highest average total Tri-Council funding allocation per principal investigator (\$77,834 in 2014-2015, most recent data available) of Ontario's research-intensive universities.
 - Since the winter of 2015, 270 graduate students and postdoctoral fellows from various disciplines across campus have completed one or more of the five available courses for Teaching & Learning
- Certificates offered by the MacPherson Institute, which promote and support the integration of pedagogical research into teaching practices. Around 400 students attended the annual Teaching and Learning Forum to gain a deeper understanding of good practices in post-secondary teaching.
- The number of graduate student applications from funding-eligible students more than doubled (from about 2,850 to 5,940) between 2007-2008 and 2016-2017, in part because of our international reputation for excellence.
 - In 2016, 10 McMaster graduate students were recipients of prestigious scholarships and fellowships. Six McMaster graduate students were named Vanier scholars, placing the University third among its research-intensive peers in Ontario. Three McMaster post-doctoral fellows were named Banting Fellows. One McMaster student was named a Rhodes Scholar, one of only two in Ontario and 11 in Canada.

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 2016, 28,079 undergraduate applications were received from Ontario high schools.

New Student¹ Applications from Ontario High Schools, Yield Rates – University Total (2007-2016)

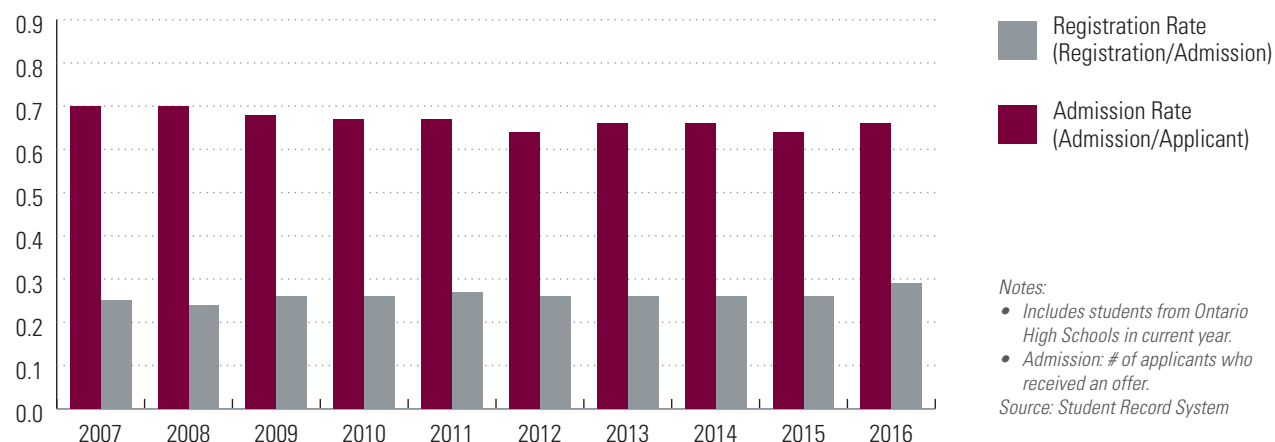
Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/ Applicant)	Confirmation Rate (Confirmation/ Admission)	Registration Rate (Registration/ Admission)
2007	25,403	17,754	4,660	4,478	0.70	0.26	0.25
2008	25,443	17,782	4,543	4,331	0.70	0.26	0.24
2009	25,673	17,537	4,697	4,535	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

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, 2007-2016



In 2016, applications to McMaster increased from 34,541 to 35,218.

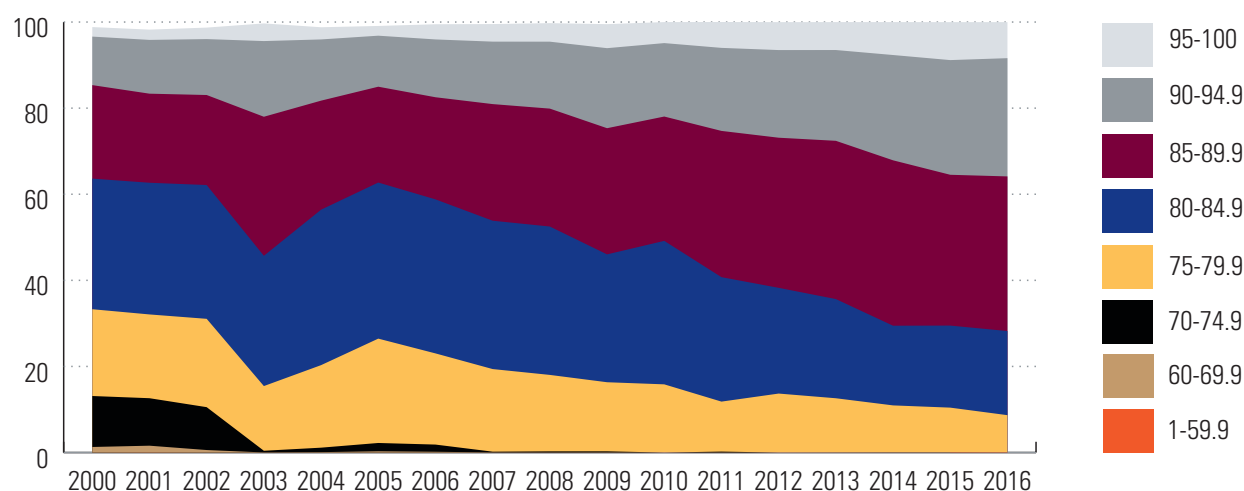
New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2007-2016						
Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2007	#	6,186	6,413	6,875	11,103	30,577
	%	20.2	21.0	22.5	36.3	100
2008	#	6,158	6,520	6,894	11,428	31,000
	%	19.9	21.0	22.2	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

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

Source: Student Record System.

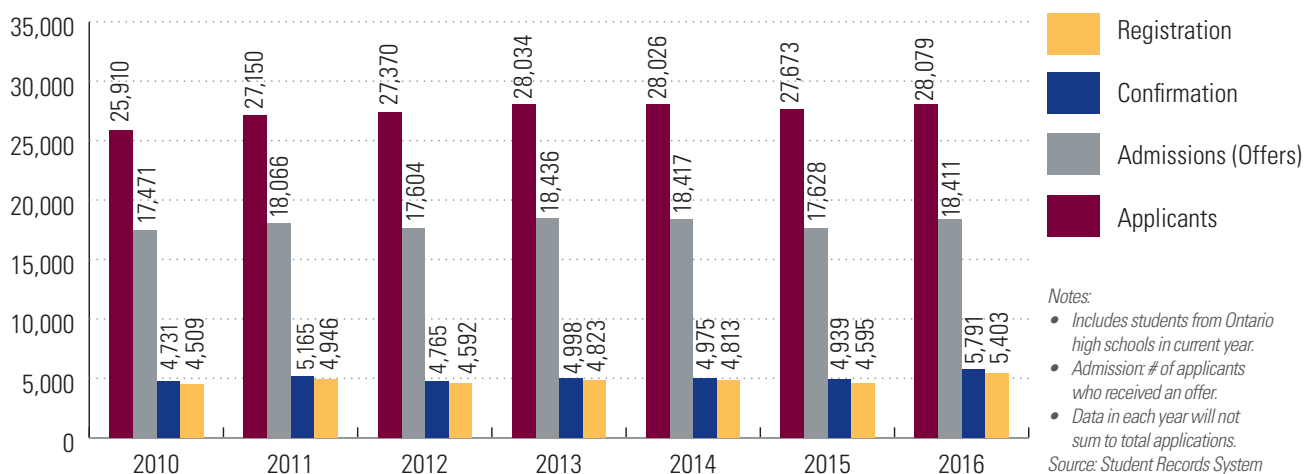
The percentage of undergraduate students registering with an admission average of 90% and above has risen from 13.5% in 2000 to 35.84% in 2016.

Grades of Entering Full-Time Undergraduate Students from Ontario High Schools

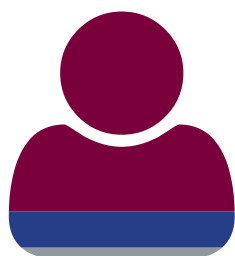


McMASTER HAS
SIX FACULTIES:
DeGroote School of
Business, Engineering,
Health Sciences,
Humanities, Science,
& Social Sciences.

New Undergraduate Student Applications from Ontario High Schools – University Total



Total Undergraduate and Graduate Regular Session Headcount Enrolment, 2016-2017 (n=31,265)



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

54%
Female



46%
Male

Notes:

- Undergraduate headcount enrolment includes Spring/Summer, Regular session as reported to MAESD on each count date. Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.
 - Regular session includes fall only.
 - New undergraduate includes students who applied directly from Secondary School only.
 - University Total includes undergraduate and graduate regular session full-time and part-time headcount enrolment.
 - Headcount excludes students on co-op work term.
 - 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

1,884 credit transfer
students enrolled at
McMaster in 2016-2017.

Over the last 5 years, undergraduate headcount enrolment has increased 6.4%.

Total Headcount Enrolment and Demographics, 2012-2013 to 2016-2017										
Undergraduate ¹	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
	Regular Session ²	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	22,020	1,090	22,367	1,205	22,558	1,337	24,473	1,298	25,624	4,127
Part-Time	3,154	10,361	3,134	10,327	3,211	9,767	1,118	9,468	1,156	6,734
% Part-Time	12.5	90.5	12.3	89.6	12.5	88.0	4.4	87.9	4.3	62.0
Domestic	23,698	10,655	23,904	10,631	24,113	10,214	23,917	9,934	24,722	10,069
International	1,476	796	1,597	901	1,656	890	1,674	832	2,058	792
% International	5.9	7.0	6.3	7.8	6.4	8.0	6.5	7.7	7.7	7.3
Male	11,597	5,132	11,851	5,160	11,897	4,955	11,746	4,746	12,342	4,716
Female	13,577	6,319	13,650	6,372	13,872	6,149	13,845	6,020	14,438	6,145
% Female	53.9	55.2	53.5	55.3	53.8	55.4	54.1	55.9	53.9	56.6
New ³	5,067	4	5,350	5	5,349	8	4,964	12	5,830	4
Continuing/Returning	19,234	11,129	19,337	11,237	19,676	10,869	20,188	10,667	20,554	10,724
% Continuing/Returning	79.1	100.0	78.3	100.0	78.6	99.9	80.3	99.9	77.9	100.0
Live on Campus	3,575		3,461		3,438		3,642		3,737	
Off Campus	21,599		22,040		22,331		22,073		23,043	
% Off Campus	85.8		86.4		86.7		85.8		86.0	
Graduate	2012-2013 Regular Session		2013-2014 Regular Session		2014-2015 Regular Session		2015-2016 Regular Session		2016-2017 Regular Session	
Full-Time	3,436		3,408		3,519		3,514		3,712	
Part-Time	801		856		829		760		773	
% Part-Time	18.9		20		19.1		17.8		17.2	
Domestic	3,507		3,443		3,431		3,402		3,501	
International	730		821		917		872		984	
% International	17.2		19.3		21.1		20.4		21.9	
Male	2,149		2,158		2,211		2,057		2,145	
Female	2,088		2,106		2,137		2,217		2,340	
% Female	49.3		49.4		49.1		51.9		52.2	
Diploma/Certificate	99		99		68		78		134	
Master's	2,678		2,662		2,759		2,768		2,907	
Doctoral	1,460		1,503		1,521		1,428		1,444.0	
% Doctoral	34.5		35.2		35.0		33.4		134	
University Total ⁴	29,411		29,765		30,117		29,865		31,265	

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

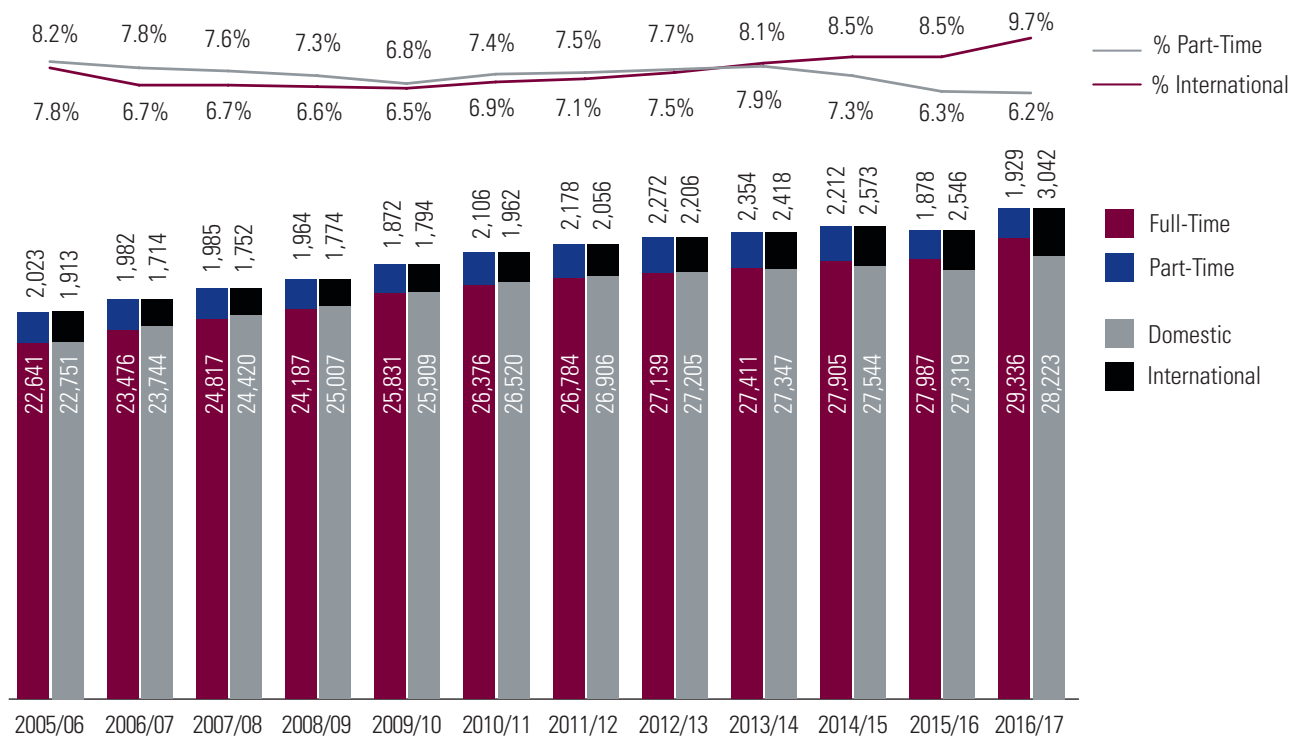
Note 5: Headcount excludes students on co-op work term.

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 2016, 9.7% of all McMaster students were international, represented by 107 countries.

Total Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2016 (historical data restated using new Full-Time/Part-Time definition)³



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

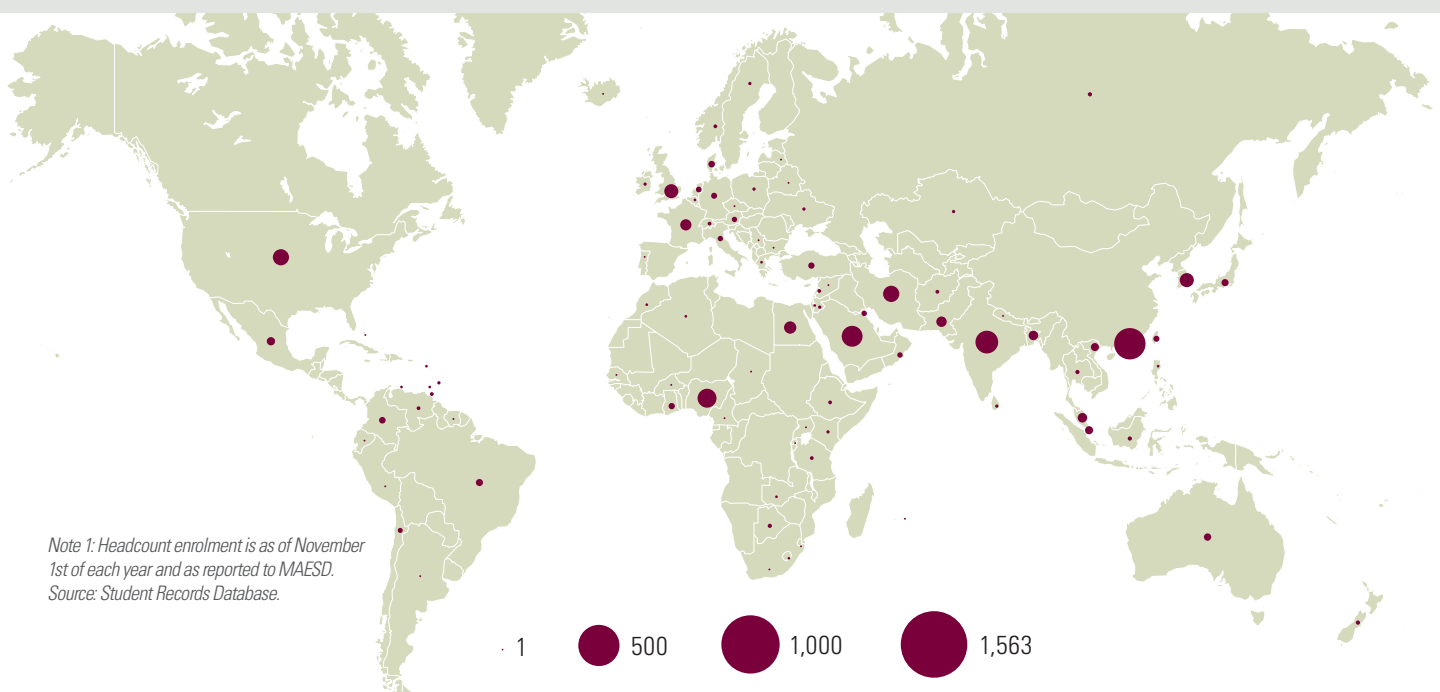
Note 2: Headcount enrolment excludes students on co-op work term.

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 (59.2%), India (5.7%), Saudi Arabia (4.7%), Nigeria (3.3%) and Iran (3.3%)



Fall 2016 full-time headcount consisted of 25,624 undergraduate and 3,712 graduate students, totaling 29,336.



The Faculty of Business has the highest percentage of international students (15.2%).

Undergraduate Enrolment and Demographics, 2016-2017

Undergraduate	Level	FFTE ¹	Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Business	1	1,028.2	1,030	8	1,038	1,038		440	598	847	9	182
	2	654.7	636	3	639	639		252	387	542	10	87
	3	612.5	622	1	623	623		286	337	511	6	106
	4	560.6	601	39	640	640		269	371	561	4	75
	Other ⁵	4.9	2	14	16		16	6	10	16		
	Total	2,860.9	2,891	65	2,956	2,940	16	1,253	1,703	2,477	29	450
Engineering³												
Engineering (Excluding Computer Science, Technology)	1	1,102.1	1,105	7	1,112	1,112		248	864	884	28	200
	2	833.5	850	7	857	857		170	687	741	15	101
	3	836.0	877	10	887	887		172	715	774	16	97
	4	759.7	859	32	891	891		171	720	761	28	102
	5	198.1	214	5	219	219		54	165	210	4	5
	Other	12.3	16	7	23	16	7	10	13	7	1	15
	Total	3,741.7	3,921	68	3,989	3,982	7	825	3,164	3,377	92	520
Computer Science	1	49.6	49	1	50	50		5	45	38	2	10
	2	66.2	69	0	69	69		14	55	60	2	7
	3	60.2	61	1	62	62		13	49	58		4
	4	60.7	61	9	70	70		5	65	65	2	3
	Total	236.7	240	11	251	251		37	214	221	6	24
Engineering Technology	1	261.7	263	4	267	267		44	223	228		39
	2	164.6	179	4	183	183		34	149	161		22
	3	200.4	252	93	345	345		44	301	308	15	22
	4	300.1	349	119	468	468		53	415	438	11	19
	Total	926.8	1,043	220	1,263	1,263		175	1,088	1,135	26	102
Engineering Total		4,905.1	5,204	299	5,503	5,496	7	1,037	4,466	4,733	124	646

Part-time enrolment was made up of 1,156 undergraduate and 773 graduate students (Fall 2016).³

Female undergraduate students represented 53.9% of total undergraduate enrolment in Fall 2016.

Undergraduate Enrolment and Demographics, 2016-2017 (continued)												
Undergraduate	Level	FFTE ¹	Headcount ²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Health Sciences ⁴												
Bachelor of Health Sciences	1	298.5	277	1	278	278		176	102	262	14	2
	2	249.2	236	0	236	236		140	96	217	18	1
	3	263.1	260	2	262	262		145	117	236	25	1
	4	213.2	214	3	217	217		128	89	200	16	1
	Other	12.0	11	6	17		17	10	7	16	1	
	Total	1,035.9	998	12	1,010	993	17	599	411	931	74	5
School of Medicine	1	204.0	204		204	204		114	90	189	15	
	2	205.5	205		205	205		106	99	195	10	
	3	202.0	203		203	203		118	85	181	22	
	Total	611.5	612	0	612	612	0	338	274	565	47	0
Midwifery	1	24.3	31	1	32	32		32		26	6	
	2	36.9	39		39	39		39		26	13	
	3	27.4	31		31	31		31		27	4	
	4	22.5	23		23	23		23		21	2	
	Total	111.1	124	1	125	125	0	125	0	100	25	0
Nursing	1	132.8	133	2	135	135		120	15	133	1	1
	2	143.8	134	1	135	135		121	14	133	1	1
	3	239.7	221	0	221	221		201	20	212	3	6
	4	189.8	203	5	208	208		184	24	202	4	2
	Total	706.1	691	8	699	699	0	626	73	680	9	10
Collaborative Nursing	1	216.2	217	5	222	222		198	24	222		
	2	439.8	421	4	425	425		369	56	425		
	3	292.4	302	41	343	343		308	35	343	0	
	4	309.6	353	5	358	358		320	38	354	2	2
	Total	1,258.0	1,293	55	1,348	1,348	0	1,195	153	1,344	2	2
Residents	Other	978.4	1,071		1,071		1,071	514	557	605	298	168
	Total	978.4	1,071		1,071		1,071	514	557	605	298	168
Health Sciences Total		4,700.9	4,789	76	4,865	3,777	1,088	3,397	1,468	4,225	455	185

The Faculty of Health Sciences has the highest percentage of domestic students from outside Ontario in Fall 2016 (9.4%).

Students from Ontario represent 89.1% of total undergraduate enrolment in Fall 2016.

Undergraduate Enrolment and Demographics, 2016-2017 (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	570.4	586	16	602	602		383	219	558	9	35
	2	566.1	580	32	612	612		419	193	578	12	22
	3	540.7	541	39	580	580		404	176	551	13	16
	4	463.1	501	49	550	550		354	196	531	11	8
	Other ⁵	16.8	20	11	31	15	16	22	9	15	1	15
	Total	2,157.0	2,228	147	2,375	2,359	16	1,582	793	2,233	46	96
Science	1	1,899.9	1,846	7	1,853	1,853		1,183	670	1,661	36	156
	2	1,668.1	1,583	7	1,590	1,590		1,013	577	1,495	22	73
	3	1,497.5	1,501	29	1,530	1,530		954	576	1,448	19	63
	4	1,198.5	1,256	41	1,297	1,297		806	491	1,245	19	33
	5	47.8	16	0	16	16		5	11	15	0	1
	Other	75.1	63	65	128	31	97	66	62	91	3	34
	Total	6,387.0	6,265	149	6,414	6,317	97	4,027	2,387	5,955	99	360
Social Sciences	1	1,092.2	1,121	47	1,168	1,168		803	365	1,030	32	106
	2	1,013.7	1,023	57	1,080	1,080		729	351	997	21	62
	3	988.9	1,009	102	1,111	1,111		766	345	1,043	15	53
	4	636.6	710	50	760	760		539	221	720	8	32
	Other	35.3	37	29	66	25	41	48	18	38	3	25
	Total	3,766.5	3,900	285	4,185	4,144	41	2,885	1,300	3,828	79	278
Arts & Science	1	79.9	77	0	77	77		52	25	70	7	
	2	69.0	66	1	67	67		54	13	64	3	
	3	61.1	60	1	61	61		45	16	56	5	
	4	64.7	68	2	70	70		48	22	65	5	
	Other	1.6	2	1	3		3	2	1	3		
	Total	276.2	273	5	278	275	3	201	77	258	20	0
Divinity College	1	46.4	41	26	67	67		21	46	48	1	18
	2	33.4	15	45	60	59	1	13	47	44	1	15
	3	9.4	2	20	22	22		6	16	15	0	7
	4	1.6	1	1	2	2			2	2	0	0
	5	0.1		0	0	0			0	0		
	Other	27.4	15	38	53	34	19	16	37	47	3	3
	Total	118.2	74	130	204	184	20	56	148	156	5	43
University Total	1	7,006.1	6,980	125	7,105	7,105	0	3,819	3,286	6,196	160	749
	2	6,144.5	6,036	161	6,197	6,196	1	3,473	2,724	5,678	128	391
	3	5,831.1	5,942	339	6,281	6,281	0	3,493	2,788	5,763	143	375
	4	4,780.5	5,199	355	5,554	5,554	0	2,900	2,654	5,165	112	277
	5	246.0	230	5	235	235	0	59	176	225	4	6
	Other	1163.7	1237	171	1408	121	1287	694	714	838	310	260
Total		25,171.9	25,624	1,156	26,780	25,492	1,288	14,438	12,342	23,865	857	2,058

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MAESD on each count date in 2016-2017.

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, 2016 and as reported to MAESD.

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

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

Note 5: Other level includes continuing students.

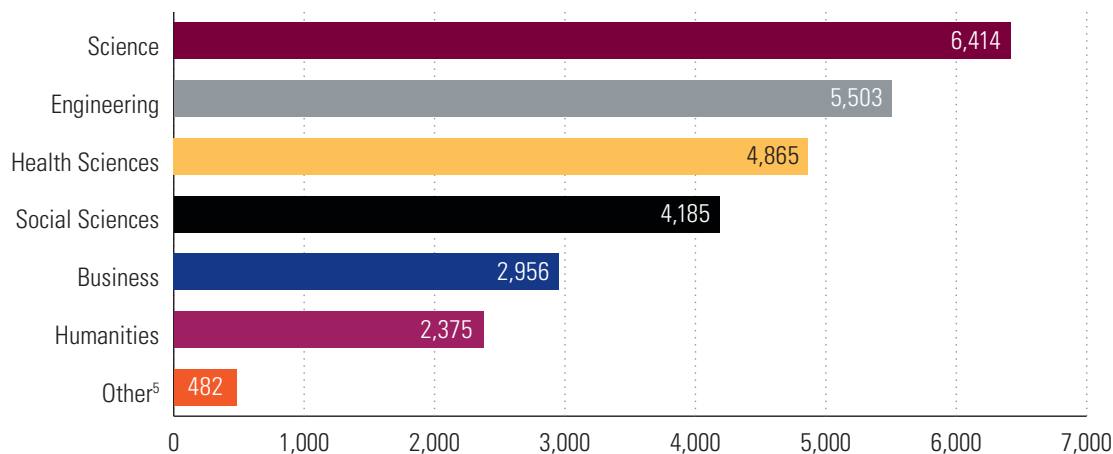
Source: Student Record Database



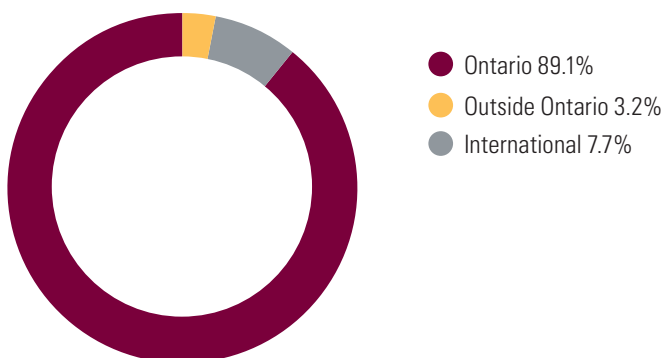
24% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 21% in Engineering and 18% in Health Sciences.

In Fall 2016, international students made up 7.7% of undergraduate student headcount enrolment.

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2016-2017 (n=26,780)



Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2016-2017 (n=26,780)



Note 1: FTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MAESD on each count date in 2016-2017. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program.

Note 2: Undergraduate headcount enrolment is as of November 1, 2016 and as reported to MAESD.

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

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

Note 5: Other level includes continuing students.

Note 6: Other includes Arts & Science and Divinity College.

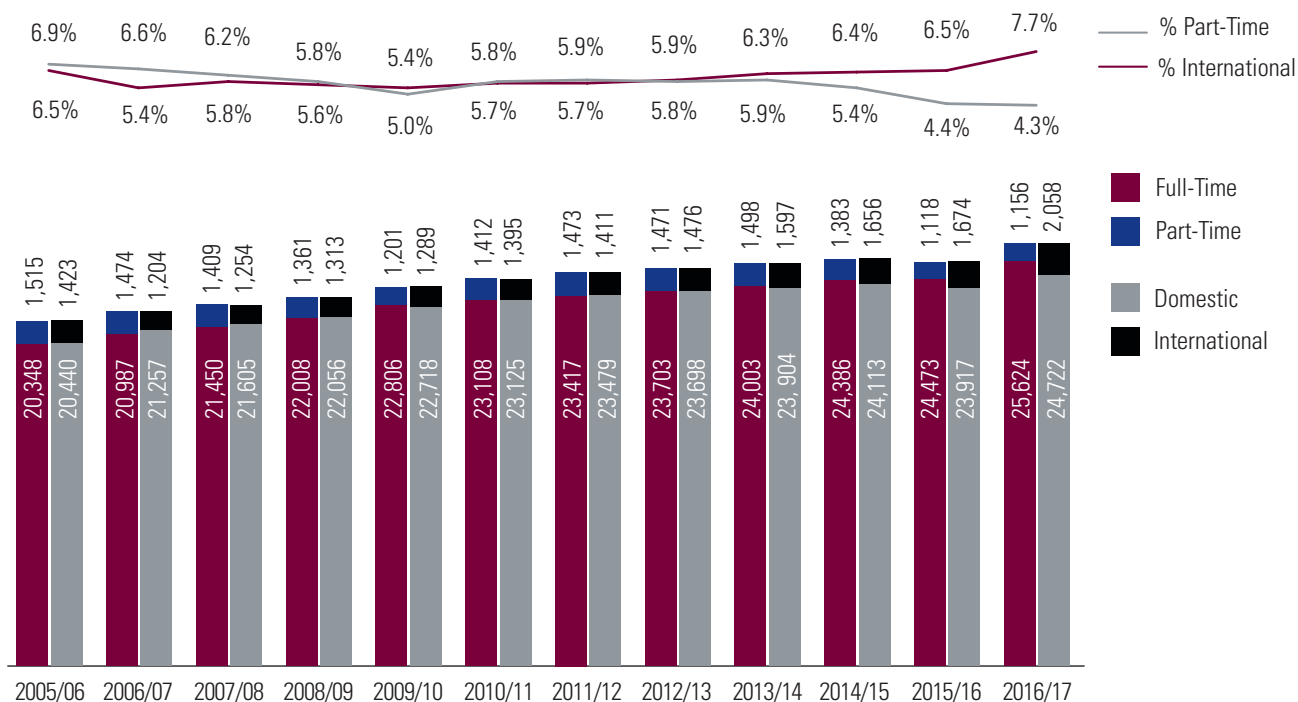
Note 7: Headcount excludes students on co-op work term.

Note 8: Normal unit load is determined by the Required Units specified in the University Calendar.

Note 9: Collaborative Programs are included in the Undergraduate Enrolment Demographics table.

Source: Student Record Database

Undergraduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2016³ (historical data restated using new Full-Time/Part-Time definition)³



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-time has decreased from 6.9 (using new part-time definition) in 2005-2006 to 4.3 in 2016-2017.

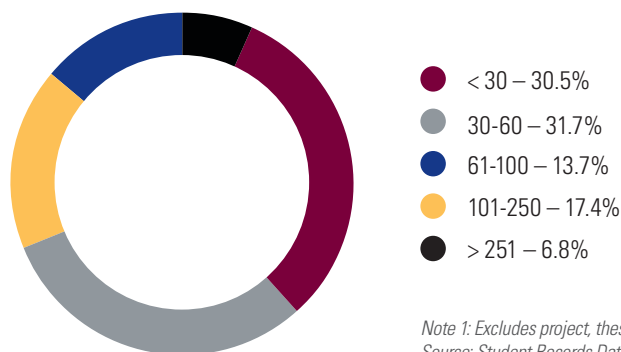
Undergraduate Class Size by Year Level, Fall 2016

Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
<30	37	15.4	48	14.2	128	30.4	192	58.9
30 – 60	60	24.9	95	28.1	167	39.7	98	30.1
61 – 100	26	10.8	71	21.0	68	16.2	16	4.9
101 – 250	56	23.2	99	29.3	56	13.3	19	5.8
>251	62	25.7	25	7.4	2	0.5	1	0.3
Total	241	100.0	338	100.0	421	100.0	326	100.0

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

The majority of undergraduate classes are between 30-60 students (31.7%).

Undergraduate Class Size, Fall 2016 (n=1,326)



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 2016

Faculty	Average Class Size
Business	72.3
Engineering	66.3
Health Sciences	53.7
Humanities	67.1
Science	136.8
Social Sciences	90.2

Undergraduate Enrolment and Demographics – Collaborative Programs, 2016-2017

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	88.17	91		91	91		82	9	91		
	2	230.30	221	1	222	222		192	30	222		
	3	145.53	144	23	167	167		148	19	167		
	4	168.26	190	3	193	193		172	21	190	1	2
	Total	632.26	646	27	673	673	0	594	79	670	1	2
Conestoga Nursing	1	128.00	126	5	131	131		116	15	131		
	2	209.52	200	3	203	203		177	26	203		
	3	146.90	158	18	176	176		160	16	176		
	4	141.30	163	2	165	165		148	17	164	1	
	Total	625.72	647	28	675	675	0	601	74	674	1	0
Medical Radiation Science (Mohawk)	1	127.10	126		126	126		107	19	118	5	3
	2	163.50	109		109	109		95	14	104	4	1
	3	163.00	107	4	111	111		88	23	109	2	
	4	110.50	110		110	110		92	18	108	1	1
	Total	564.10	452	4	456	456	0	382	74	439	12	5
Bachelor of Technology (Mohawk)	1	261.70	263	4	267	267		44	223	228		39
	2	164.63	179	4	183	183		34	149	161		22
	3	84.10	160	1	161	161		17	144	146		15
	4	211.23	272	10	282	282		34	248	259	7	16
	Total	721.66	874	19	893	893	0	129	764	794	7	92
Total Collaborative Programs		2543.74	2,619	78	2,697	2,697	0	1,706	991	2,577	21	99

Note 1: FTE (Fiscal Fulltime Equivalent) includes Spring/Summer, Fall and Winter as reported to MAESD on each count date in 2016-2017. FTE is based on the undergraduate student unit load as a proportion of the Normal unit load for that specific academic year within a program. Normal unit load is determined by the Required Units specified in the University Calendar.

Note 2: Undergraduate headcount enrolment is as of November 1, 2016 and as reported to MAESD. Headcount excludes students on co-op work term.

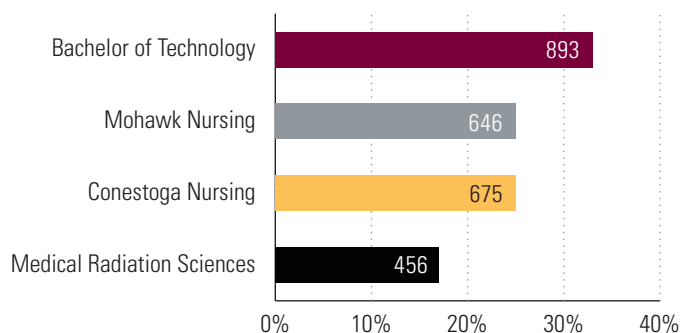
Source: Student Record Database

The McMaster COLLABORATIVE program FTE enrolment has increased 4.2% over 2015-2016. (Mohawk and Conestoga)

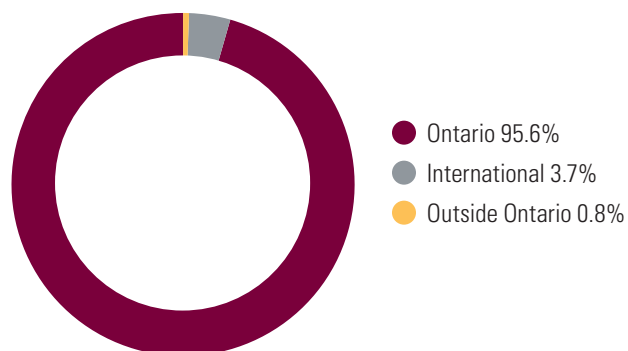


Amongst collaborative programs, the McMaster Bachelor of Technology program with Mohawk saw the largest increase in student enrollment in 2016-17 (25.3%).

Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2016-2017 (n=2,697)



Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2016-2017 (n=2,697)



52.2% of graduate students were female (Fall 2016).



In 2016, six McMaster graduate students were named Vanier Scholars and one McMaster graduate student was named a Banting Fellow.

Graduate Enrolment and Demographics, 2016-2017

Faculty/ Department		FFTE 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	583.3	538	151	689	622	66	1	298	391	454	23	212
	Faculty of Bus. - General	22.0	22		22			22	14	8			22
	Total	605.3	560	151	711	622	66	23	312	399	454	23	234
Engineering	Chemical Engineering	80.6	80	2	82	29	53		25	57	35	4	43
	Civil Engineering	69.1	67	7	74	32	42		20	54	27	4	43
	Computing & Software	97.8	93	16	109	58	51		24	85	75	4	30
	Electrical & Computer Eng.	134.2	130	14	144	69	75		34	110	61	8	75
	Engineering Physics	60.5	59	5	64	30	31	3	11	53	39	5	20
	Faculty of Eng. - General	23.0	23		23			23	4	19			23
	Materials Science & Eng.	61.0	61		61	33	28		23	38	28		33
	Mechanical Engineering	108.3	105	11	116	56	60		19	97	46	2	68
	School of Eng. Practice	106.1	101	17	118	118			35	83	41	2	75
	Total	740.6	719	72	791	425	340	26	195	596	352	29	410
Health Sciences	Biochemistry and Biomedical Sciences	120.1	118	7	125	43	76	6	66	59	106	5	14
	Biomedical Discovery	8.0	8		8	8			3	5	7		1
	Chemical Biology and Medicine	1.0	1		1		1		1		1		
	Child Life Studies	17.0	14	10	24	24			24		17	7	
	Clinical Behavioural Studies	5.1		17	17			17	15	2	17		
	Clinical Epidemiology & Biostatistics	26.2	25	4	29	29			19	10	26	2	1
	Faculty of HSci. - General	5.0	5		5			5	4	1			5
	Health Research Methodology	147.0	120	90	210	103	71	36	116	94	149	28	33
	Health Science Education	30.8	17	46	63	63			41	22	45	12	6
	Medical Sciences	164.6	164	2	166	96	70		90	76	149	5	12
	Nursing	76.8	69	26	95	74	17	4	89	6	94	1	8
	Occupational Therapy	129.0	129		129	129			113	16	112	17	
	Physiotherapy	132.0	132		132	132			86	46	124	7	1
	Public Health	20.8	19	6	25	25			21	4	20	4	1
	Rehabilitation Science	68.8	49	66	115	75	40		88	27	76	28	11
	Total	952.2	870	274	1144	801	275	68	776	368	943	116	85

The Faculty of Engineering has the highest percentage of international graduate students (51.8%)

The Faculty of Health Sciences had the highest percentage of total graduate enrolment (25.5%) and the largest graduate student headcount enrolment in 2016-2017, with 1,144 students.

Graduate Enrolment and Demographics, 2016-2017 (continued)

Faculty/ Department		FFTE 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	13.0	13		13	5	8		9	4	8	5	
	Communication Studies and Multimedia	35.0	14	70	84	84			63	21	71	7	6
	Communications Mgt.	0.3		1	1			1	1				1
	English & Cultural Studies	94.3	94	1	95	31	64		68	27	72	14	9
	Faculty of Hum. - General	4.0	4		4			4	2	2			4
	French	20.3	20	1	21	11	10		18	3	16	2	3
	Gender Studies and Feminist Research	10.0	10		10	10			9	1	8	1	1
	History	49.5	48	5	53	20	33		30	23	47	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	298.7	275	79	354	191	158	5	228	126	282	41	31
Science	Biology	88.0	88		88	50	38		46	42	61	7	20
	Chemistry	83.0	83		83	25	58		34	49	58	1	24
	Faculty of Sci. - General	8.0	8		8			8	2	6			8
	Geography & Earth Sciences	80.7	78	9	87	42	45		43	44	66	4	17
	Kinesiology	47.6	47	2	49	27	22		30	19	47	1	1
	Mathematics & Statistics	94.0	94		94	56	38		38	56	56	2	36
	Medical Physics & Applied Radiation Sci.	23.5	22	5	27	17	10		13	14	20		7
	Physics & Astronomy	62.0	62		62	25	37		15	47	41	6	15
	Psychology, Neuroscience & Behaviour	94.0	94		94	33	61		55	39	82	4	8
	Total	580.8	576	16	592	275	309	8	276	316	431	25	136
Social Sciences	Anthropology	39.0	39		39	17	22		28	11	28	9	2
	Economics	59.9	59	3	62	32	30		27	35	58	2	2
	Faculty of SocSci. - General	1.0	1		1			1		1			1
	Health, Aging and Society	16.6	16	2	18	11	7		18		17	1	
	Labour Studies	13.6	13	2	15	15			6	9	15		
	Political Science	56.3	56	1	57	28	29		27	30	50	3	4
	Religious Studies	42.3	42	1	43	12	31		9	34	31	5	7
	Social Work	50.9	47	13	60	35	22	3	47	13	56	2	2
	Sociology	48.3	48	1	49	19	30		35	14	43	3	3
	Total	327.9	321	23	344	169	171	4	197	147	298	25	21

The Faculty of Humanities has the highest percentage of domestic students from outside Ontario in Fall 2016 (11.6%).

Graduate Enrolment and Demographics, 2016-2017 (continued)

Faculty/ Department		FFTE 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
Interdisciplinary	Chemical Biology	32.0	32		32	15	17		22	10	26	1	5
	eHealth	90.6	84	22	106	106			58	48	93	2	11
	Global Health	88.0	88		88	88			72	16	70	12	6
	Globalization	18.3	18	1	19	19			15	4	16	2	1
	Health Management	39.9		133	133	133			102	31	101	30	2
	Health Policy	34.0	34		34		34		17	17	22		12
	Neuroscience	52.0	52		52	24	28		36	16	49	3	
	School of Biomedical Engineering	60.3	60	1	61	31	30		31	30	45	2	14
	School of Computational Science & Engineering	23.3	23	1	24	8	16		3	21	7	1	16
	Total	438.4	391	158	549	424	125		356	193	429	53	67
University Total	Business	605.3	560	151	711	622	66	23	312	399	454	23	234
	Engineering	740.6	719	72	791	425	340	26	195	596	352	29	410
	Health Sciences	952.2	870	274	1,144	801	275	68	776	368	943	116	85
	Humanities	298.7	275	79	354	191	158	5	228	126	282	41	31
	Science	580.8	576	16	592	275	309	8	276	316	431	25	136
	Social Sciences	327.9	321	23	344	169	171	4	197	147	298	25	21
	Interdisciplinary	438.4	391	158	549	424	125	0	356	193	429	53	67
Grand Total		3,943.9	3,712	773	4,485	2,907	1,444	134	2,340	2,145	3,189	312	984

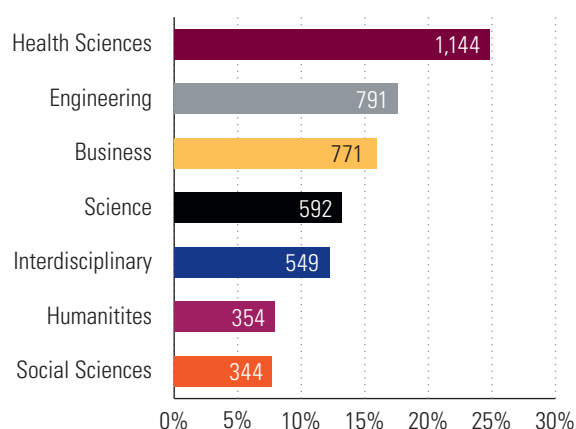
Note 1: FTE enrolment is as of November 1, 2016 and as reported to MAESD. FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3* part-time headcount.

Note 2: Graduate headcount enrolment is as of November 1, 2016 and as reported to MAESD.

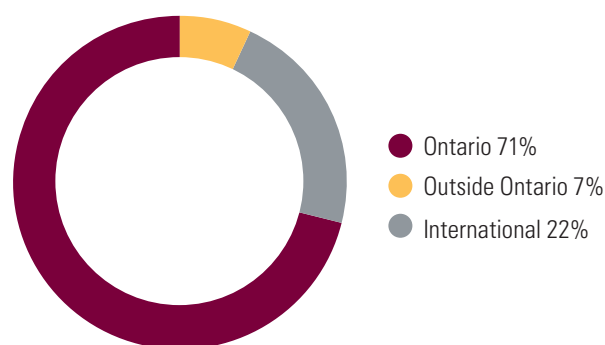
Source: Student Record Database

Graduate headcount enrolment comprised 14.3% of total enrolment in 2016-2017.

Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2016-2017 (n=4,485)



Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2016-2017 (n=4,485)



Note 1: FTE enrolment is as of November 1, 2016 and as reported to MAESD.

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

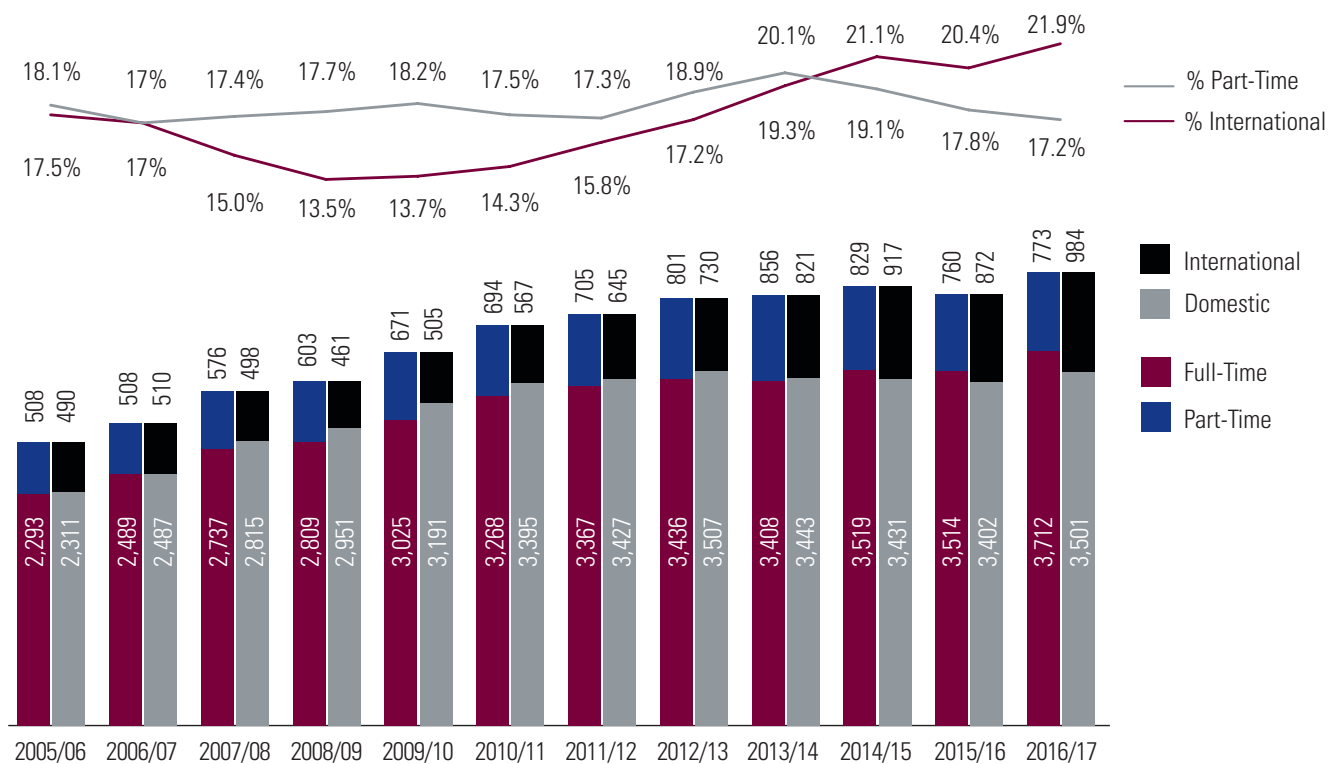
Note 2: Graduate headcount enrolment is as of November 1, 2016 and as reported to MAESD.

Source: Student Records Database

In Fall 2016,
INTERNATIONAL
GRADUATE STUDENTS
represented 22%
of the graduate
student body.



Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2016



Notes:

- Headcount enrolment is as of November 1st of each year and as reported to MAESD.
- Headcount enrolment excludes students on co-op work term.
- 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.



338 McMASTER MARAUDER STUDENT ATHLETES achieved a GPA of over 9.5 in the 2016-2017 academic year.

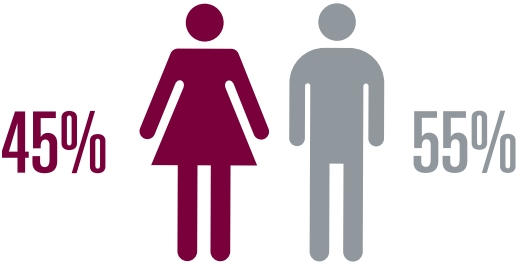
In 2016-2017, McMaster University had over 1,100 student athletes.

Student Athletics

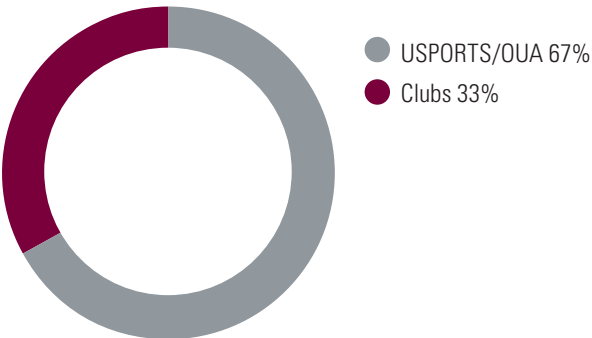
The mission of the Athletics and Recreation department at McMaster University is to enrich the overall learning experience at McMaster; to promote a life-long appreciation for the benefits of a healthy-active lifestyle, and to be major contributors in the development of tomorrow’s leaders. For more information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

U Sports and Ontario University Athletics student athletes at McMaster represented 66.7 per cent (2016/17 figure) of all the student athletes.

Student Athletes by Gender, 2016-2017 (n=1,107)



Student Athletes by Organization, 2016-2017 (n=1,107)



Notes:

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

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

Men’s and Women’s Volleyball were OUA Champions, and the Men’s Volleyball team also won a USPORTS Bronze medal.

Men’s Wrestling won USPORTS & OUA Silver Medals, while Men’s Squash also won an OUA Silver medal.

OUA Bronze medals were won by Badminton, Men’s Rugby and Women’s Swimming, while Fastpitch won an OIWFA Bronze medal.

Student Athletes by Sport, 2012-2016

Sport		2012			2013			2014			2015			2016		
		Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
CIS ¹	Basketball	15	32	46.9	15	31	48.4	14	29	48.3	16	37	43.2	15	34	44.1
	Cross-Country	13	33	39.4	17	42	40.5	18	42	42.9	15	34	44.1	18	42	42.9
	Football		99			98			103			90			95	
	Rugby – Female	32	32	100.0	33	33	100.0	41	41	100.0	33	33	100.0	31	31	100.0
	Swimming	20	42	47.6	28	55	50.9	23	48	47.9	22	51	43.1	21	43	48.8
	Soccer	23	51	45.1	26	52	50.0	27	60	45.0	34	66	51.5	31	70	44.3
	Volleyball	16	34	47.1	17	32	53.1	16	34	47.1	17	35	48.6	16	34	47.1
	Wrestling	10	32	31.3	11	26	42.3	12	36	33.3	7	28	25.0	6	36	16.7
	Total	133	355	37.5	147	369	39.8	151	393	38.4	144	374	38.5	138	385	35.8
OUA ¹	Badminton	11	24	45.8	11	23	47.8	10	21	47.6	6	14	42.9	7	18	38.9
	Baseball		24			21			24			30			35	
	Golf	6	15	40.0	5	13	38.5	4	18	22.2	1	12	8.3	2	14	14.3
	Fencing	24	45	53.3	42	83	50.6	23	54	42.6	17	51	33.3	24	66	36.4
	Lacrosse – Female	24	24	100.0	25	25	100.0	21	21	100.0	20	20	100.0	23	23	100.0
	Rowing	56	100	56.0	50	91	54.9	46	86	53.5	37	73	50.7	28	69	40.6
	Rugby – Male		55			65			63			56			63	
	Squash	9	23	39.1	9	21	42.9	9	16	56.3	10	22	45.5	9	24	37.5
	Tennis	15	25	60.0	21	31	67.7	19	28	67.9	14	25	56.0	8	21	38.1
	Water Polo	12	23	52.2	13	26	50.0	16	34	47.1	15	33	45.5	12	20	60.0
	Total	157	358	43.9	176	399	44.1	148	365	40.5	120	336	35.7	113	353	32.0
Clubs	Cheerleading	38	41	92.7	35	41	85.4	37	38	97.4	31	32	96.9	31	31	100.0
	Cricket															
	Cycling															
	Curling	9	9	100.0	8	8	100.0	6	11	54.5	8	13	61.5	9	14	64.3
	Dance							51	51	100.0						
	Fastpitch	14	14	100.0	16	16	100.0	13	13	100.0	13	13	100.0	13	13	100.0
	Field Hockey	17	17	100.0	26	26	100.0	23	23	100.0	23	23	100.0	20	20	100.0
	Figure Skating	23	26	88.5	19	20	95.0	26	26	100.0	39	40	97.5	18	20	90.0
	Football – Female	189	189	100.0	137	137	100.0	171	171	100.0	136	136	100.0	96	96	100.0
	Gymnastics	27	31	87.1	21	24	87.5	34	34	100.0	17	21	81.0			
	Ice Hockey – Female	16	16	100.0	17	17	100.0	16	16	100.0	18	18	100.0	17	17	100.0
	Lacrosse – Male		30			26			27			26			26	
	Life Guarding				6	10	60.0				4	4	100.0	3	5	60.0
	Ice Hockey – Male		35			38			54			33			40	
	Synchro Swim				16	16	100.0	12	12	100.0	15	15	100.0	20	20	100.0
	Ultimate Frisbee	16	40	40.0	20	40	50.0	19	60	31.7	17	59	28.8	22	67	32.8
	Total	349	448	77.9	321	419	76.6	408	536	76.1	321	433	74.1	249	369	67.5
Grand Total		639	1,161	55.0	644	1,187	54.3	707	1,294	54.6	585	1,143	51.2	500	1,107	45.2

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

Note: 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

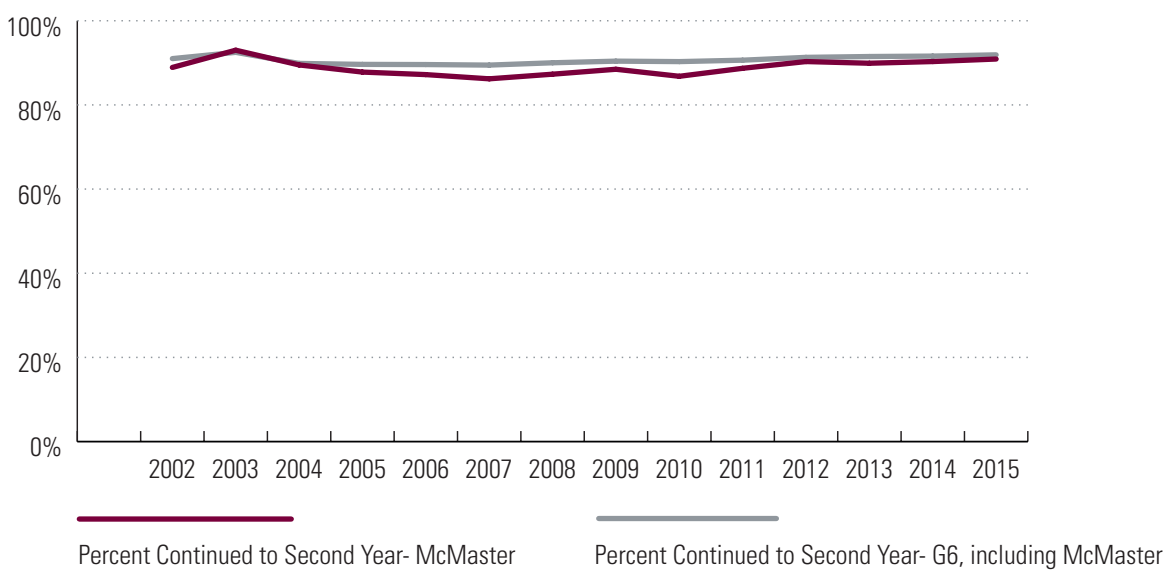


Approximately 91% of first-time, full-time, baccalaureate degree-seeking students of the 2015 entering cohort continued to second year.

Retention and Graduation

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

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



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

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 – 2012 to 2016 Entering Cohort					
Total	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	4,940	5,193	5,182	4,950	5,813
% Continued to 2nd Year	90.3	89.9	90.3	90.9	
% Continued to 3rd Year	85.9	86.0	86.5		
% Continued to 4th Year	78.1	78.6			
% Continued to 5th Year	32.1				
Female	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	2,638	2,725	2,778	2,674	3,069
% Continued to 2nd Year	91.2	90.9	91.6	91.7	
% Continued to 3rd Year	87.3	87.3	87.9		
% Continued to 4th Year	79.9	80.3			
% Continued to 5th Year	23.3				
Male	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	2,302	2,468	2,404	2,276	2,744
% Continued to 2nd Year	89.3	88.9	88.8	90.0	
% Continued to 3rd Year	84.4	84.6	84.9		
% Continued to 4th Year	75.9	76.9			
% Continued to 5th Year	42.2				
Domestic	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	4,598	4,861	4,815	4,600	5,206
% Continued to 2nd Year	90.6	90.3	91.0	91.5	
% Continued to 3rd Year	86.3	86.4	87.3		
% Continued to 4th Year	78.4	78.9			
% Continued to 5th Year	32.7				
International	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	342	332	367	350	607
% Continued to 2nd Year	86.0	84.0	80.9	83.4	
% Continued to 3rd Year	81.3	80.1	75.8		
% Continued to 4th Year	73.7	75.6			
% Continued to 5th Year	24.0				
Total G6 ³ , Including McMaster	2012	2013	2014	2015	2016
Entering Cohort Headcount ²	36,438	37,267	37,521	38,327	N/A ⁴
% Continued to 2nd Year	91.3	91.5	91.6	91.9	
% Continued to 3rd Year	85.3	86.1	86.5		
% Continued to 4th Year	N/A ⁴	N/A ⁴			
% Continued to 5th Year	31.2				

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 2016 lists N/A, as the entering cohort headcount is always one year behind.

Source: Student Records Database, CSRDE

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

Graduation Rates ¹ of First-Time, Full-Time, Baccalaureate Degree-Seeking Students – 2008 Cohort to 2012 Cohort					
Total	2008	2009	2010	2011	2012
Cohort Headcount	4,736	4,832	4,833	5,337	4,940
% Graduated in 4 Years	51.4	53.6	51.7	51.6	50.5
% Graduated in 5 Years	72.0	73.8	72.0	72.6	
% Graduated in 6 Years	76.9	78.9	77.5		
% Graduated in 7 Years	78.8	80.5			
% Graduated in 8 Years	79.5				
Female	2008	2009	2010	2011	2012
Cohort Headcount	2,453	2,620	2,521	2,759	2,638
% Graduated in 4 Years	62.9	63.9	63.3	64.6	61.4
% Graduated in 5 Years	79.0	79.5	78.1	80.5	
% Graduated in 6 Years	81.5	82.5	81.6		
% Graduated in 7 Years	82.4	83.3			
% Graduated in 8 Years	82.8				
Male	2008	2009	2010	2011	2012
Cohort Headcount	2,283	2,212	2,312	2,578	2,302
% Graduated in 4 Years	39.0	41.4	39.1	37.7	38.0
% Graduated in 5 Years	64.5	67.0	65.4	64.2	
% Graduated in 6 Years	72.1	74.5	73.1		
% Graduated in 7 Years	74.9	77.1			
% Graduated in 8 Years	75.9				
Domestic	2008	2009	2010	2011	2012
Cohort Headcount	4,472	4,588	4,540	4,984	4,598
% Graduated in 4 Years	51.5	54.0	52.0	52.0	50.2
% Graduated in 5 Years	72.3	74.3	72.4	73.4	
% Graduated in 6 Years	77.4	79.4	78.1		
% Graduated in 7 Years	79.3	80.9			
% Graduated in 8 Years	80.0				
International	2008	2009	2010	2011	2012
Cohort Headcount	264	244	293	353	342
% Graduated in 4 Years	48.9	45.1	47.8	45.6	53.8
% Graduated in 5 Years	66.3	64.8	66.2	62.3	
% Graduated in 6 Years	68.5	69.3	70.0		
% Graduated in 7 Years	70.1	72.1			
% Graduated in 8 Years	71.2				
Total G6 ² , Including McMaster	2008	2009	2010	2011	2012
Cohort Headcount	32,802	34,191	34,545	35,488	36,438
% Graduated in 4 Years	48.8	49.2	44.2	50.1	49.6
% Graduated in 5 Years	70.4	71.2	71.5	71.5	
% Graduated in 6 Years	75.8	76.6	76.9		
% Graduated in 7 Years	77.9	78.6			
% Graduated in 8 Years	81.9				

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.

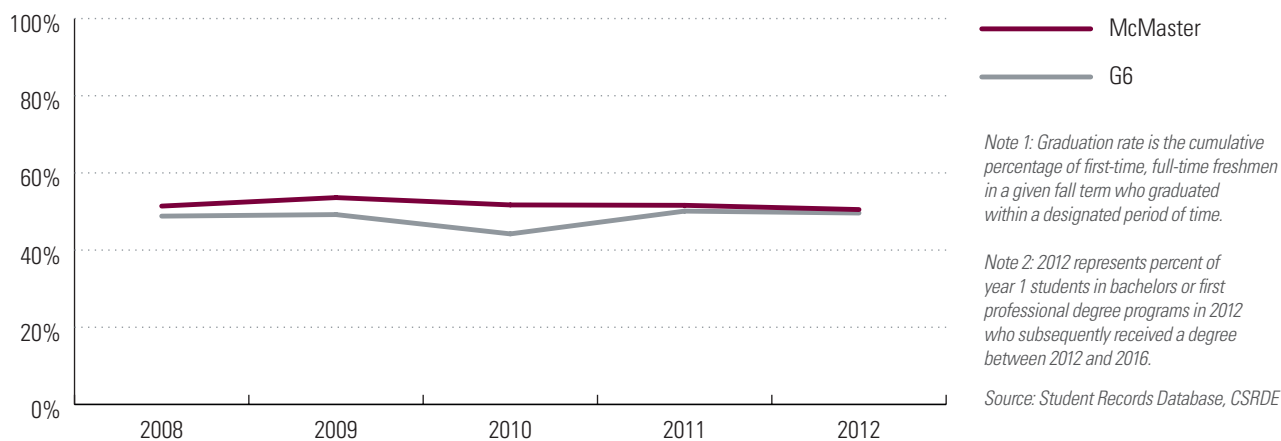
Note 2: G6 consists of McMaster and Ontario peers.

Source: Student Records Database, CSRDE

Based on the 2006 doctoral cohort study, students graduating from a PhD program at McMaster took an average of 4.7 years (median) to complete their studies.



4-Year Undergraduate Student Graduation Rates



McMaster programs provide high-quality preparation for our grads future careers.

Time-to-Completion, Master's and Doctoral Cohorts Study Progression of 2010 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress		Promoted	
		#	%	Median Yrs	#	%	Median Yrs	#	%	#	%
Business	214	194	90.7	2.3	11	5.1	1.3	9	4.2		
Engineering	268	209	78.0	2.0	37	13.8	2.0	4	1.5	18	6.7
Health Sciences	167	128	76.6	2.3	12	7.2	1.0	4	2.4	23	13.8
Humanities	140	121	86.4	1.0	15	10.7	1.0		0.0	4	2.9
Interdisciplinary	102	82	80.4	2.0	6	5.9	1.2		0.0	14	13.7
Science	171	125	73.1	2.0	15	8.8	1.3		0.0	31	18.1
Social Sciences	156	144	92.3	1.0	11	7.1	1.0		0.0	1	0.6
Total	1218	1003	82.3	2.0	107	8.8	1.3	17	1.4	91	7.5

Progression of 2006 Doctoral Cohort after 9 years									
Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	6	5	83.3	5.0	1	16.7	2.0		
Engineering	69	48	69.6	4.7	19	27.5	1.7	2	2.9
Health Sciences	79	68	86.1	5.0	11	13.9	2.3		
Humanities	22	17	77.3	5.0	5	22.7	4.0		
Science	82	71	86.6	4.3	11	13.4	2.0		
Social Sciences	37	22	59.5	6.0	15	40.5	6		
Total	295	231	78.3	4.7	62	21.0	2.0	2	0.7
Progression of 2010 Doctoral Cohort after 5 years									
Business	20	7	35.0	4.7	4	20.0	1.5	9	45.0
Engineering	67	25	37.3	4.0	19	28.4	1.3	23	34.3
Health Sciences	59	39	66.1	4.3	7	11.9	1.0	13	22.0
Humanities	30	14	46.7	5.0	4	13.3	2.8	12	40.0
Interdisciplinary	38	23	60.5	4.3	7	18.4	1.7	8	21.1
Science	89	51	57.3	4.0	12	13.5	0.7	26	29.2
Social Sciences	45	11	24.4	4.0	10	22.2	1.8	24	53.3
Total	348	170	48.9	4.3	63	18.1	1.3	115	33.0

Trend of Doctoral Progression (2007-2010 Cohorts after 5 years)								
Results/ Cohorts	2007		2008		2009		2010	
	#	%	#	%	#	%	#	%
Graduated	129	48.3	147	51.2	169	50.0	170	48.9
In Progress	90	33.7	89	31.0	109	32.2	115	33.0
Withdrawn	48	18	51	17.8	60	17.8	63	18.1
Total	267	100.0	287	100.0	338	100.0	348	100.0

Trend of Doctoral Progression (2003-2006 Cohorts after 9 years)								
Results/ Cohorts	2003		2004		2005		2006	
	#	%	#	%	#	%	#	%
Graduated	214	72.5	180	74.1	202	76.2	239	78.1
In Progress	3	1.0	2	0.8	4	1.5	2	0.7
Withdrawn	78	26.4	61	25.1	59	22.3	65	21.2
Total	295	100.0	243	100.0	265	100.0	306	100.0

Source: Graduate Studies and Student Records Database

Approximately 56% of degrees were awarded to females in 2016.
This has remained relatively constant since 2011, ranging from 55% to 57%.

Degrees Awarded¹, 2012-2016

Faculty/Degree		2012			2013			2014			2015			2016			
		F	M	All	F	M	All	F	M	All	F	M	All	U	F	M	All
Business	Bachelor	211	266	477	198	244	442	194	223	417	231	273	504		197	253	450
	First Professional											1	1				
	Master's	67	125	192	77	117	194	99	143	242	114	192	306		111	147	258
	Doctoral	1	2	3	1	10	11		8	8	5	7	12		3	6	9
	Grad. Cert. & Diploma							23	31	54	27	31	58				
	Total	279	393	672	276	371	647	316	405	721	377	504	881		311	406	717
Engineering	Bachelor	110	560	670	122	653	775	107	665	772	128	748	876		148	742	890
	Master's	48	169	217	63	190	253	64	147	211	67	171	238		53	158	211
	Doctoral	16	41	57	8	33	41	14	33	47	9	46	55		9	55	64
	Grad. Cert. & Diploma	2	1	3												1	1
	Total	176	771	947	193	876	1,069	185	845	1,030	204	965	1,169		210	956	1,166
Health Sciences	Bachelor	566	115	681	587	132	719	571	131	702	581	138	719		638	157	795
	First Professional	125	65	190	127	79	206	119	83	202	120	83	203		110	94	204
	Master's	195	63	258	188	62	250	202	57	259	192	71	263		188	77	265
	Doctoral	29	17	46	32	23	55	36	21	57	33	18	51		30	28	58
	Grad. Cert. & Diploma	21	1	22	21	1	22	22	3	25	15	2	17		21	2	23
	Total	936	261	1,197	955	297	1,252	950	295	1,245	941	312	1,253		987	358	1,345
Humanities	Bachelor	387	186	573	368	193	561	391	185	576	356	175	531		390	166	556
	Master's	77	44	121	72	50	122	63	38	101	72	38	110		77	27	104
	Doctoral	12	10	22	11	8	19	10	7	17	13	7	20		6	7	13
	Grad. Cert. & Diploma				2		2				4		4			1	1
	Total	476	240	716	453	251	704	464	230	694	445	220	665	1	473	201	675
Science	Bachelor	774	455	1,229	828	546	1,374	769	523	1,292	817	525	1,342		778	505	1,283
	Master's	57	75	132	60	71	131	58	59	117	54	63	117		55	65	120
	Doctoral	23	38	61	36	37	73	26	36	62	29	43	72		28	35	63
	Total	854	568	1,422	924	654	1,578	853	618	1,471	900	631	1,531	2	861	605	1,468
Social Sciences	Bachelor	688	367	1,055	755	325	1,080	685	342	1,027	723	334	1,057		652	319	971
	Master's	67	62	129	67	47	114	60	51	111	63	54	117		70	38	108
	Doctoral	11	10	21	16	12	28	17	6	23	6	11	17		14	9	23
	Total	766	439	1,205	838	384	1,222	762	399	1,161	792	399	1,191		736	366	1,102
Arts & Science	Bachelor	47	17	64	40	18	58	58	18	76	42	21	63		41	14	55
	Total	47	17	64	40	18	58	58	18	76	42	21	63		41	14	55
Indig-enous Studies ²	Bachelor	6		6													
	Total	6		6													
Inter-disciplinary	Master's	53	32	85	79	39	118	87	51	138	94	61	155		121	40	161
	Doctoral	8	8	16	7	7	14	11	12	23	16	11	27		14	16	30
	Total	61	40	101	86	46	132	98	63	161	110	72	182		135	56	191
Total		3,601	2,729	6,330	3,765	2,897	6,662	3,686	2,873	6,559	3,811	3,124	6,935	3	3,754	2,962	6,719
Divinity College	UG. Cert. & Diploma		1	1	2		2	1		1		1	1		1	1	2
	First Professional										1	4	5			4	4
	Master's	6	24	30	7	18	25	15	20	35	4	11	15		9	18	27
	Doctoral	3	6	9		4	4	1	5	6	2	7	9		4	4	8
	Total	9	31	40	9	22	31	17	25	42	7	23	30		14	27	41
Grand Total		3,610	2,760	6,370	3,774	2,919	6,693	3,703	2,898	6,601	3,818	3,147	6,965	3	3,768	2,989	6,760

Note 1: Refers to total degrees conferred at annual June and November convocations. | Note 2: Indigenous Studies was moved to Social Science effective May 2013.

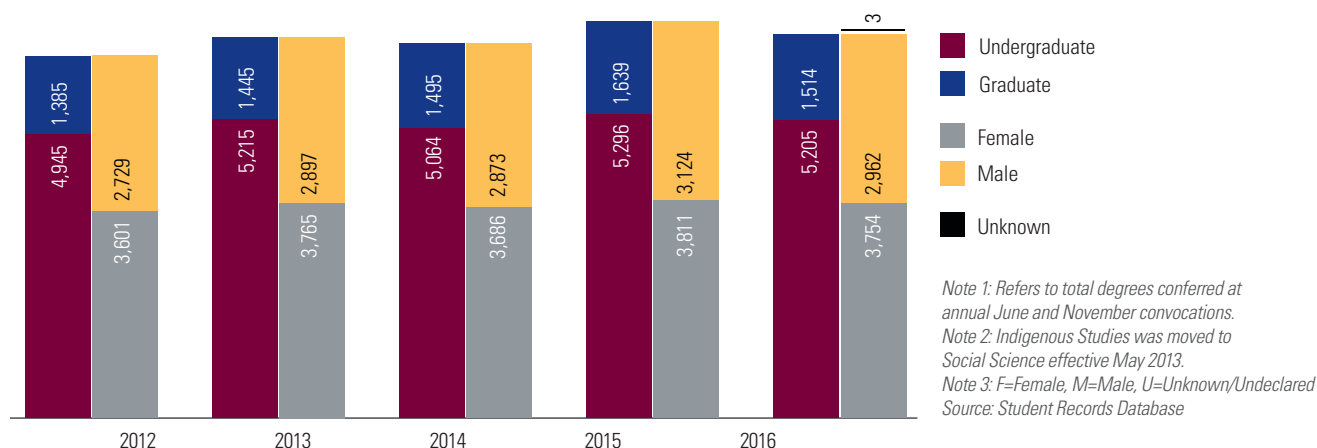
Note: F=Female, M=Male, U=Unknown/Undeclared | Note: Excludes Divinity College.

Source: Student Records Database

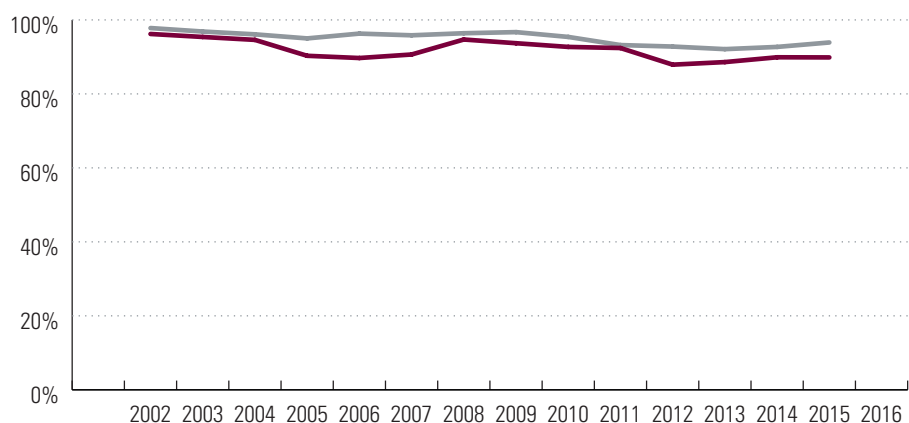
261 doctoral degrees were awarded in 2016 (excluding Divinity College), an increase of 16 per cent from 2012.

From 2012 to 2016, the number of undergraduate and graduate degrees awarded (excluding Divinity College) increased 5.3 and 9.3 percent, respectively.

Degrees Awarded by Level and Gender, 2012-2016



Employment Rates – 6 Months and 2 Years after Graduation

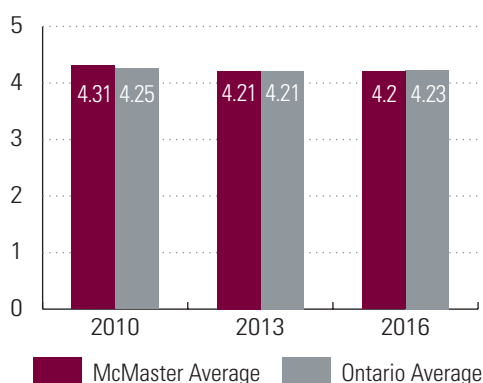


Between 2004 and 2016, the number of degrees awarded (excluding Divinity) has increased 61.1%. Total headcount enrolment (excluding Divinity) has increased 29.4% during the same time period.

Source: Ontario University Graduate Survey, 2001-2016

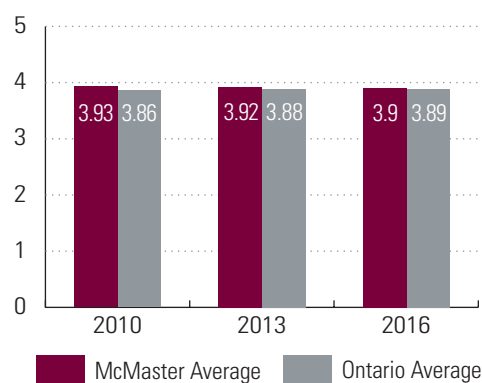
CGPSS – Would you select same field of study?

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=18,108, 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
 Source: Canadian Graduate and Professional Student Survey (CGPSS).

The number of students receiving McMaster's Honour Awards (entrance awards) increased by 8.4 percent between 2011-2012 and 2016-2017.



Financial Aid

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

Honour Awards by Faculty, 2011-2012 to 2016-2017 ¹												
Faculty/ Program	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
	#	%	#	%	#	%	#	%	#	%	#	%
Arts & Science	71	1.6	66	1.6	65	1.5	65	1.5	67	1.5	75	1.4
Business	605	13.7	480	12.0	664	15.3	631	14.4	665	15.2	954	18.2
Engineering	971	22.0	822	20.5	954	22.0	949	21.6	902	20.7	1157	22.1
Health Sciences	203	4.6	188	4.7	202	4.7	191	4.3	197	4.5	258	4.9
Nursing	149	3.4	133	3.3	151	3.5	142	3.2	118	2.7	121	2.3
Midwifery	1	0.0	2	0.0	2	0.0	3	0.1	1	0.0	4	0.1
Humanities	334	7.6	355	8.8	378	8.7	292	6.6	329	7.5	328	6.3
Music	24	0.5	22	0.5	17	0.4	14	0.3	18	0.4	23	0.4
Science	1,072	24.3	1,015	25.3	949	21.9	1,105	25.2	1,070	24.5	1197	22.8
Kinesiology	194	4.4	206	5.1	202	4.7	224	5.1	222	5.1	240	4.6
Medical Radiation Science	103	2.3	129	3.2	124	2.9	123	2.8	112	2.6	122	2.3
Mathematics & Statistics	63	1.4	63	1.6	72	1.7	101	2.3	104	2.4	180	3.4
Social Sciences	614	13.9	533	13.3	562	12.9	552	12.6	556	12.7	581	11.1
Total	4,404	100.0	4,014	100.0	4,342	100.0	4,392	100.0	4,361	100.0	5240	100.0

2016-2017 In-Course Awards by Faculty, as of August 30, 2017²

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			1,075	2	22,100	24	46,662	28			69,837	54
Business	2,500	1	25,500	16	71,250	64	49,250	50	1,000	2	149,500	133
Engineering	1,750	3	122,650	30	168,769	88	151,270	100	66,850	42	511,289	263
Health Sciences	11,825	11	21,500	27	90,525	57	52,175	63	9,700	11	185,725	169
Humanities	700	4	24,825	20	96,975	82	102,800	90	1,400	4	226,700	200
Nursing			23,150	9	44,150	29	52,850	52			120,150	90
Science	1,650	3	102,395	57	207,500	161	209,560	202	51,625	47	572,730	470
Social Sciences	1,000	1	16,150	13	50,575	46	61,050	69	4,500	6	133,275	135
Total	19,425	23	337,245	174	751,844	551	725,617	654	135,075	112	1,969,206	1514

Ontario Student Assistance Program Information (OSAP), 2016-2017⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	90,738,320	39,832,118	130,516,781
Graduate	10,234,590	229,638	10,464,228
Total	100,972,910	40,061,756	140,981,009

In 2016-2017, McMaster's students received about \$10.1 million in bursaries, of which \$3.0 million was funded through Trust Funds and \$7.1 million through operating funds.

Bursary Program Information, 2016-2017⁵

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	16,515	2,407,846.4	6,618,088	9,042,449.4
Graduate		575,592.25	517,192	1,092,784.25
Total	16,515	2,983,438.65	7,135,280	10,135,233.65

Work Program Information, 2016-2017⁶

Work Program ⁷	Fall/Winter		Summer		Total	
	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)
Total	1,277,446.53	486,718.65	2,758,986	899,228	4,036,432.53	1,385,946.65

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

Note 2: Does not include entrance academic grants and exchange grants; includes non-monetary awards.

Note 3: Includes Engineering "other" levels.

Note 4: The 2016-2017 OSAP data reflects program starts between August 1, 2016 and July 31, 2016 and thus encompasses the 2016-2017 Fall/Winter and 2017 Spring/Summer sessions.

Note 5: The 2016-2017 Bursary data reflects payments made during the fiscal year only (eg. 2016 records have payment dates between May 1, 2016 and April 30, 2017).

Note 6: The 2016 records reflect the summer 2016 work program and the fall/winter 2016-2017 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 2011-2012, the largest increase in average support for Masters students was seen in the category “Other Employment-Based Income Support” (1,273%, from \$15 to \$206). The largest increase in dollars was in Internal Fellowships/Scholarships (\$594).

Graduate Student Financial Support – Average by Category						
Qualification/Category/Average Support		2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
Master	Internal Fellowships/Scholarships	\$3,319	\$3,082	\$3,364	\$4,632	\$3,913
	Federal Fellowships/Scholarships	\$727	\$607	\$839	\$807	\$744
	Provincial Fellowships/Scholarships	\$1,007	\$755	\$671	\$1,055	\$799
	Other Bursaries/Awards/Scholarships/Fellowships	\$986	\$1,272	\$817	\$804	\$997
	Teaching Assistantships	\$6,462	\$5,913	\$5,513	\$5,328	\$5,060
	Research Assistantships	\$5,350	\$5,074	\$4,719	\$5,643	\$4,422
	Other Employment-Based Income Support	\$15	\$39	\$15	\$48	\$206
PhD	Internal Fellowships/Scholarships	\$4,047	\$3,945	\$4,845	\$5,982	\$6,128
	Federal Fellowships/Scholarships	\$3,896	\$3,365	\$2,350	\$2,962	\$4,107
	Provincial Fellowships/Scholarships	\$2,211	\$1,765	\$1,754	\$1,630	\$1,557
	Other Bursaries/Awards/Scholarships/Fellowships	\$3,155	\$4,216	\$4,453	\$6,305	\$1,530
	Teaching Assistantships	\$6,928	\$7,082	\$7,175	\$7,097	\$6,431
	Research Assistantships	\$6,156	\$6,197	\$6,960	\$5,200	\$7,490
	Other Employment-Based Income Support	\$183	\$177	\$178	\$196	\$504

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

Since 2011-2012, the largest increase in average support for PhD students was seen in the category “Other Employment-Based Income Support” (175%, from \$183 to \$504). The largest increase in dollars was in Internal Fellowships/Scholarships (\$2,081).



Between 2015-2016 and 2016-2017, 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 6.0 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, 2012-2013 to 2016-2017										
Level 1 Program	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	5,624	20,000	5,793	21,200	5,966	22,471	6,145	22,628	6,329	23,986
Business	7,757	24,000	8,145	25,440	8,552	26,966	8,980	28,584	9,428	30,299
Engineering	9,205	27,500	9,665	29,150	10,148	30,898	11,947	36,722	12,544	38,925
Health Sciences	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248
Humanities	5,624	19,000	5,793	20,140	5,966	21,348	6,145	22,628	6,329	23,986
Kinesiology	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248
Medical Radiation Science	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248
Medicine	23,847	95,000	24,801	95,000	25,545	95,000	26,056	95,000	26,577	95,000
Midwifery	6,992		7,551		8,156		8,400		8,652	
Nursing	5,624	22,000	5,793	23,320	5,966	24,719	6,145	26,201	6,329	27,773
Science	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819	6,329	25,248
Social Sciences	5,624	19,000	5,793	20,140	5,966	21,348	6,145	22,628	6,329	23,986

Tuition Fees for Graduate Entering Cohort, 2012-2013 to 2016-2017

Year 1 Master's/ Doctoral Program	2012-2013		2013-2014		2014-2015		2015-2016		2016-2017	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Research Based Full-time	7,008	15,813	7,008	16,761	7,008	16,761	7,008	16,761	7,008	16,761
Research Based Part-time	3,504	8,115	3,504	8,601	3,504	8,601	3,504	8,601	3,504	8,601
Course Based Full-time	7,008	15,813	7,356	16,761	7,722	17,766	8,108	18,832	8,513	19,962
Course Based Part-time	3,504	8,115	3,678	8,601	3,861	9,117	4,054	9,664	4,257	10,244
MBA¹ Full-time	15,232	28,576	15,992	30,290	16,784	32,104	17,623	34,030	18,504	36,072
MBA Part-time (per course)	1,904	3,572	1,999	3,786	2,098	4,013	2,203	4,254	2,313	4,509
UNENE² (per half-course)	2,700	2,700	2,700	2,700	2,500	2,500	2,500	2,500	2,500	2,500
Master of Communications (per half-course)	3,373	3,572	3,507	3,786	3,647	4,013	3,793	4,254	3,945	4,509
MEEI³ Full-time	18,165	27,267	19,071	28,902	20,022	30,636	20,022	30,636	20,022	30,636
MEEI Part-time	9,081	13,632	9,534	14,448	10,008	15,312	10,008	15,312	10,008	15,312
MEPP⁴ Full-time	15,801	17,028	16,590	18,729	17,418	20,601	17,418	22,661	18,289	24,927
MEPP Part-time	8,109	8,736	8,514	9,609	8,937	10,569	8,937	11,626	9,384	12,788
M Eng Design⁵ Full-time	15,801	17,028	16,590	18,729	17,418	20,601	17,418	22,661	18,289	24,927
M Eng Design Part-time	8,109	8,736	8,514	9,609	8,937	10,569	8,937	11,626	9,384	12,788
Occupational Therapy	8,773	29,772	9,044	31,558	9,496	33,451	9,971	35,458	10,469	37,585
Physiotherapy	8,773	29,772	9,044	31,558	9,496	33,451	9,971	35,458	10,469	37,585

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

Note: 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

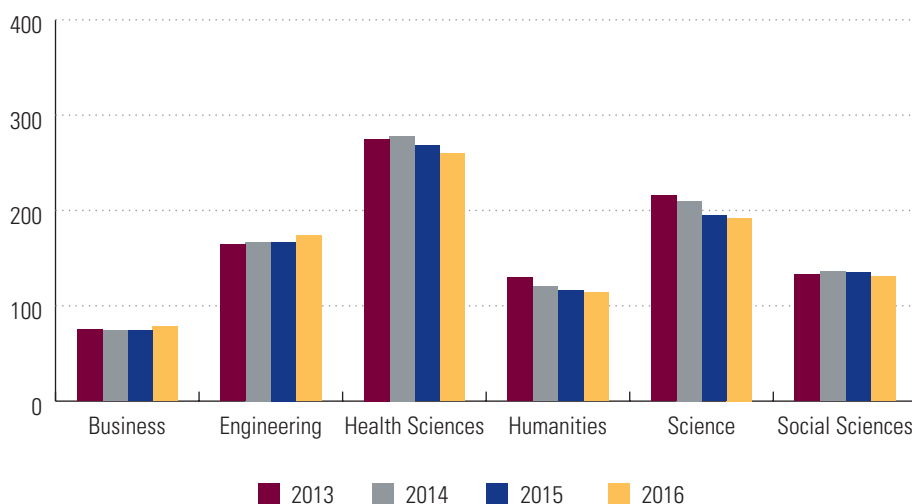


Faculty

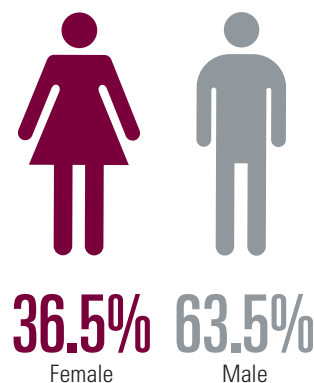
For more information on faculty, please visit: ira.mcmaster.ca/category/data/

As of October 1, 2016, McMaster has 949 full-time faculty members, of which 36.5 per cent were female. 94.6 per cent of the full-time faculty hold doctoral degrees and 72.7 per cent of faculty members were tenured and Continuing Appointment Without Review (CAWAR).

Full-Time Faculty Count by Faculty, 2013-2016



Full-time faculty by gender, Fall 2016



Notes:

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

Source: Human Resources

Full-Time Faculty Count by Faculty and Department, 2013-2016

Faculty/Department ¹		2013			2014			2015			2016		
		M	F	All	M	F	All	M	F	All	M	F	All
Business	Accounting & Financial Management Services	8	3	11	8	3	11	6	3	9	6	3	9
	Finance & Business Economics	14	2	16	14	2	16	15	2	17	15	2	17
	Human Resources & Management	7	6	13	8	7	15	8	7	15	8	6	14
	Management Science & Information Systems	5	2	7	5	2	7	6	2	8	6	3	9
	Strategic Market Leadership and Health Services	15	6	21	13	6	19	13	6	19	15	7	22
	Operations Management	6	1	7	5	1	6	5	1	6	6	1	7
	Total	55	20	75	53	21	74	53	21	74	56	22	78
Engineering	Bachelor of Technology	17	2	19	18	2	20	19	1	20	20	2	22
	Chemical Engineering	16	3	19	15	3	18	15	3	18	14	4	18
	Civil Engineering	14	3	17	15	4	19	15	4	19	14	4	18
	Computing and Software	22	2	24	22	2	24	21	2	23	21	3	24
	Electrical and Computer Engineering	26	3	29	26	3	29	26	3	29	27	4	31
	Engineering (General)	3		3	1		1						
	Engineering Physics	14	2	16	14	2	16	15	2	17	15	2	17
	Material Science & Engineering	11	2	13	10	3	13	11	2	13	13	2	15
	Mechanical Engineering	21	2	23	22	2	24	23	2	25	23	2	25
	Engineering Practice	1		1	3		3	3		3	3	1	4
	Total	145	19	164	146	21	167	148	19	167	150	24	174
Health Sciences ²	Anesthesia	2		2	1		1	1		1	1		1
	Biochemistry & Biomedical Sciences	18	7	25	18	7	25	18	8	26	19	8	27
	Health Research Methods, Evidence and Impact	22	9	31	24	13	37	24	15	39	23	14	37
	Family Medicine	2	5	7	2	5	7	3	2	5	2	2	4
	Medicine	40	16	56	44	15	59	39	14	53	42	13	55
	Obstetrics and Gynecology	3	4	7	2	4	6	2	4	6	2	4	6
	Oncology	3	2	5	2	2	4	3	2	5	3	2	5
	Pathology and Molecular Medicine	20	7	27	19	5	24	20	7	27	19	7	26
	Pediatrics	5	5	10	6	5	11	6	4	10	5	4	9
	Psychiatry	7	9	16	9	10	19	10	9	19	7	10	17
	School of Nursing	4	50	54	4	45	49	4	40	44	4	37	41
	School of Rehabilitation Science	3	25	28	4	25	29	3	23	26	3	23	26
	Surgery	4	3	7	4	3	7	4	3	7	4	2	6
	Total	133	142	275	139	139	278	137	131	268	134	126	260

Full-Time faculty consisted of 415 (43.7%) full professors, 302 (31.8%) associate professors, 215 (22.7%) assistant professors and 17 (1.8%) lecturers.

Full-Time Faculty Count by Faculty and Department, 2013-2016 (Continued)

Faculty/Department ¹		2013			2014			2015			2016		
		M	F	All	M	F	All	M	F	All	M	F	All
Humanities	Classics	7	2	9	6	2	8	5	2	7	4	2	6
	Communication Studies & Multimedia	8	5	13	9	5	14	8	7	15	9	8	17
	English & Cultural Studies	10	15	25	10	15	25	8	15	23	8	14	22
	French	8	5	13	6	4	10	4	3	7	4	3	7
	History	10	12	22	10	10	20	12	8	20	12	8	20
	Linguistics and Languages	4	9	13	3	10	13	3	10	13	4	8	12
	Peace Studies	1		1									
	Philosophy	10	6	16	8	6	14	7	7	14	7	7	14
	School of the Arts	10	8	18	8	8	16	8	9	17	7	9	16
	Total	68	62	130	60	60	120	55	61	116	55	59	114
Science	Biology	21	12	33	20	12	32	20	12	32	20	13	33
	Chemistry	22	4	26	23	3	26	22	3	25	21	4	25
	Geography & Earth Sciences	25	5	30	25	5	30	20	5	25	18	4	22
	Integrated Science Program	1	1	2	1	1	2	1	1	2	2	2	4
	Kinesiology	14	7	21	12	7	19	10	7	17	9	6	15
	Mathematics & Statistics	32	6	38	33	5	38	29	5	34	30	6	36
	Medical Physics & Applied Radiation Sciences	7	2	9	6	2	8	6	2	8			
	Physics & Astronomy	21	7	28	20	6	26	19	5	24	21	6	27
	Psychology, Neuroscience & Behaviour	16	13	29	17	12	29	17	11	28	18	12	30
	Total	159	57	216	157	53	210	144	51	195	139	53	192
Social Sciences	Anthropology	8	8	16	7	8	15	7	7	14	7	7	14
	Economics	20	7	27	21	6	27	22	7	29	20	9	29
	Health, Aging, and Society	3	6	9	3	8	11	3	7	10	4	7	11
	Indigenous Studies ³		2	2		2	2		1	1		1	1
	Labour Studies	4	4	8	4	4	8	4	4	8	3	4	7
	Political Science	13	8	21	14	7	21	14	8	22	13	7	20
	Religious Studies	11	5	16	11	5	16	10	5	15	11	4	15
	School of Social Work	4	10	14	4	11	15	4	12	16	3	11	14
	Sociology	11	9	20	11	10	21	9	11	20	8	12	20
	Total	74	59	133	75	61	136	73	62	135	69	62	131
Grand Total		634	359	993	630	355	985	610	345	955	603	346	949

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: Excludes clinician educators.

Note 3: Indigenous Studies was moved from Other to Social Sciences effective May 2013.

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

Source: Human Resources

McMaster's Full-Time faculty members have an average age of 50.9 years,
with an average of 14.6 years at the university.

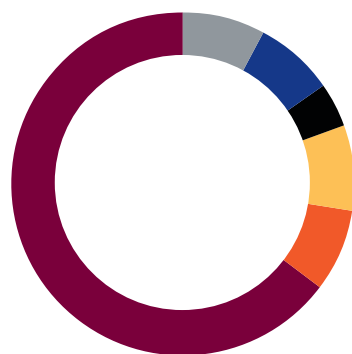
Full-Time Faculty Statistics, 2016-2017

Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	33	88	33	119	36	106	415
	Average Age	60.3	55	59.1	55	57.8	57.4	56.6
	Average Years in University	21.1	17.5	23.2	20.4	20.6	20.7	20.2
	% Tenured/Tenure-Track	93.9	100	100	100	100.0	100	99.5
Associate Professor	No. in Rank	24	40	58	49	49	82	302
	Average Age	51.3	47.4	50.8	47.5	50.2	50	49.5
	Average Years in University	13.9	11.6	13.6	12.6	12.1	12.7	12.7
	% Tenured/Tenure-Track	91.7	92.5	96.6	91.8	93.9	93.9	94.0
Assistant Professor	No. in Rank	17	40	23	23	40	72	215
	Average Age	46.2	39.4	42.5	41.3	42.4	43.6	42.5
	Average Years in University	9.6	4.8	6.1	7.8	5.4	9.5	7.3
	% Tenured/Tenure-Track	41.2	55.0	26.1	30.4	48.7	61.1	49.1
Lecturer	No. in Rank	4	6		1	6		17
	Average Age		42.7			40.3		40.8
	Average Years in University		7.3			4.2		5.1
	% Tenured/Tenure-Track					28.6		11.1
Total Faculty	No. in Rank	78	174	114	192	131	260	949
	Average Age	53.5	49.3	51.5	51.3	49.4	51.3	50.9
	Average Years in University	15.5	12.9	14.9	16.8	12	15.1	14.6
	% Tenured/Tenure-Track	76.9	84.5	83.3	89.1	78.6	87.3	84.7

Notes:

- No statistics are reported for groups with less than 5 individuals.
- Health Sciences % Tenure/Tenure-Track also includes CAWAR and Special appointments.
- As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).
- Excludes clinician educators

Full-Time Faculty Appointment Status, 2016-2017 (n=949)



- Tenured 64.7%
- Permanent Teaching/Teaching Track 7.9%
- CAWAR 8.0%
- Tenure-Track 7.8%
- Contractually Limited 7.4%
- Special Term 4.2%

Notes:

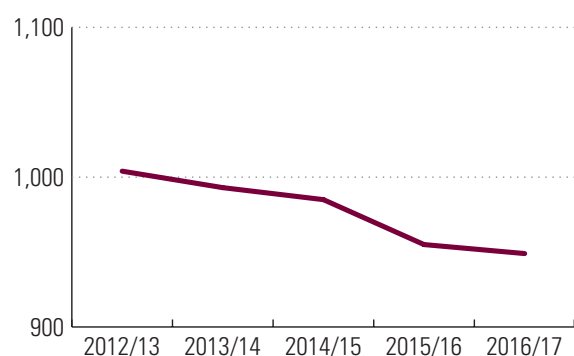
- Departments for faculty members are based on their home departments. The report does not capture joint appointments.
- Count excludes clinician educators.
- As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

Source: Human Resources



92.6 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 Count , 2012/13 to 2016/17

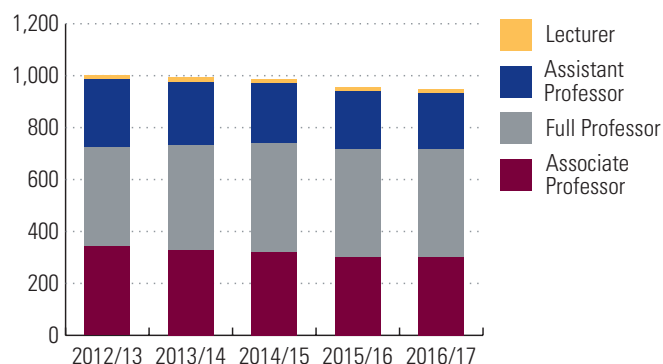


Notes:

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

Source: Human Resources

Full-Time Faculty Count by Rank , 2012/13 to 2016/17



Notes:

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

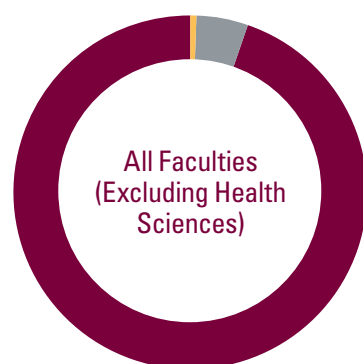
Source: Human Resources

94.6% of full-time faculty members have a PhD or MD.

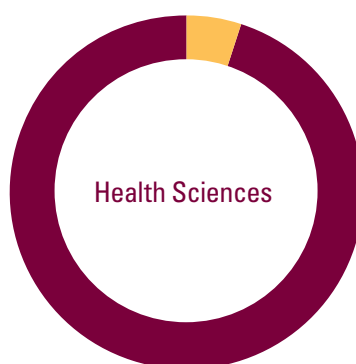
Highest Degree of Full-Time Faculty Members, 2016-2017

Faculty	% PhD/MD	% Master's	% Other
Business	87.2	10.3	2.6
Engineering	94.3	5.7	0.0
Humanities	93.9	6.1	0.0
Science	99.0	0.5	0.5
Social Sciences	93.1	6.1	0.8
Sub-total	94.5	4.9	0.6
Health Sciences	95.0	5.0	0.0
University Total	94.6	5.0	0.4

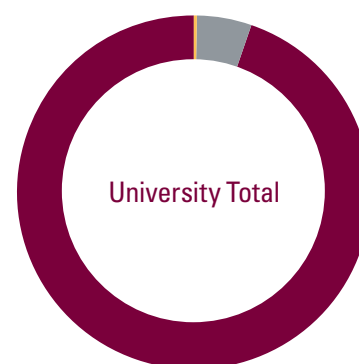
Highest Degree of Full-Time Faculty Members (n=949)



- Other 0.6%
- Master's 4.9%
- PhD/MD 94.6%



- Other 5.0%
- PhD/MD 95.0%



- Other 0.4%
- Master's 5.0%
- PhD/MD 94.6%

Notes:

- Departments for faculty members are based on their home departments. The report does not capture joint appointments.
- As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

Source: Human Resources



Faculty members earned their highest degrees in 30 countries. Most (89.1%) were earned in Canada, the United States and the United Kingdom.

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

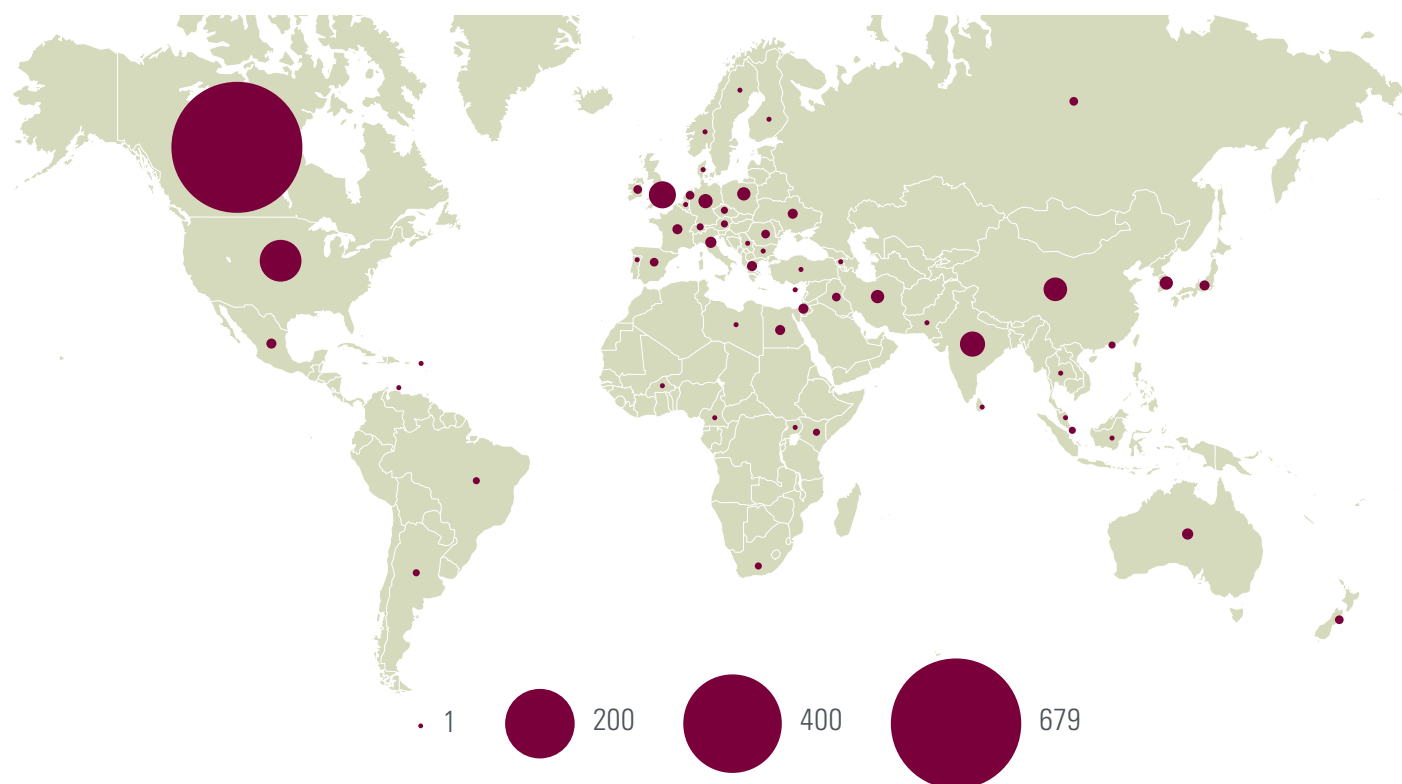
Country of Highest Degree Earned of Full-Time Faculty Members, 2016-2017						
Faculty	Canada	U.S.A.	United Kingdom	China	Australia	All Other Countries
Business	47	25	1	2	1	2
Engineering	85	45	12	5	2	25
Humanities	64	34	11		1	4
Science	101	59	14		1	17
Social Sciences	70	40	13			8
Sub-total	367	203	51	7	5	56
Health Sciences	188	22	15	2	3	30
University Total	555	225	66	9	8	86

Notes:

- Departments for faculty members are based on their home departments. The report does not capture joint appointments.
- As of October 1, 2016 and as reported to Statistics Canada and Ontario Council of Academic Vice-Presidents (OCAV).

Source: Human Resources

Full-Time Faculty Member by Citizenship, 2016-2017



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.

Countries with Highest Representation, 2016-2017

As a percent of all full-time faculty members

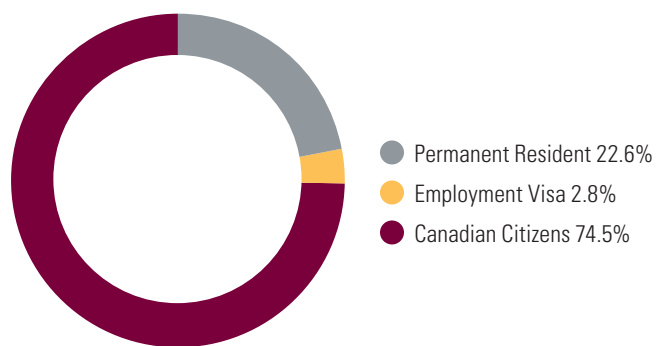
Canada	71.3%
United States	7.2%
United Kingdom	3.0%
India	2.5%
China	2.0%
All Other Countries	14.0%

Notes:

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

Source: Human Resources

Full-Time Faculty by Immigration Status, 2016-2017¹



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

Note: Excludes clinical educators.

Source: Human Resources

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



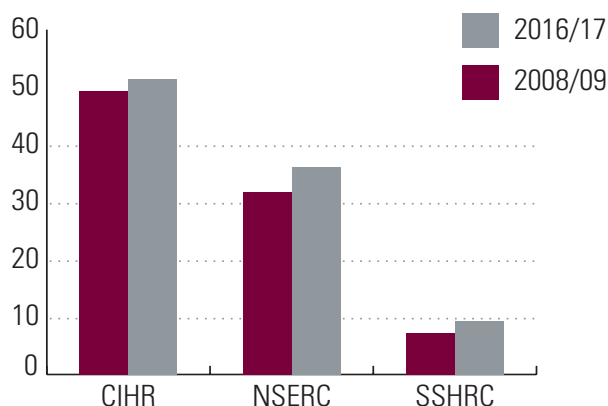
Research Grants

McMaster's estimated total research income for 2016/17 is \$378.3 million, including affiliated hospitals. (Note: final 2016/17 amounts were not available at the time of printing.).

McMaster ranks second in Canada and second in Ontario in research intensity, averaging \$358,300 per faculty member – nearly double the national average – and eighth overall in total research income, bringing in some \$324.6 million. (Research Infosource 2016).

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

**Tri-Agencies Funding (\$),
2008-2009 vs 2016-2017 – \$ millions**



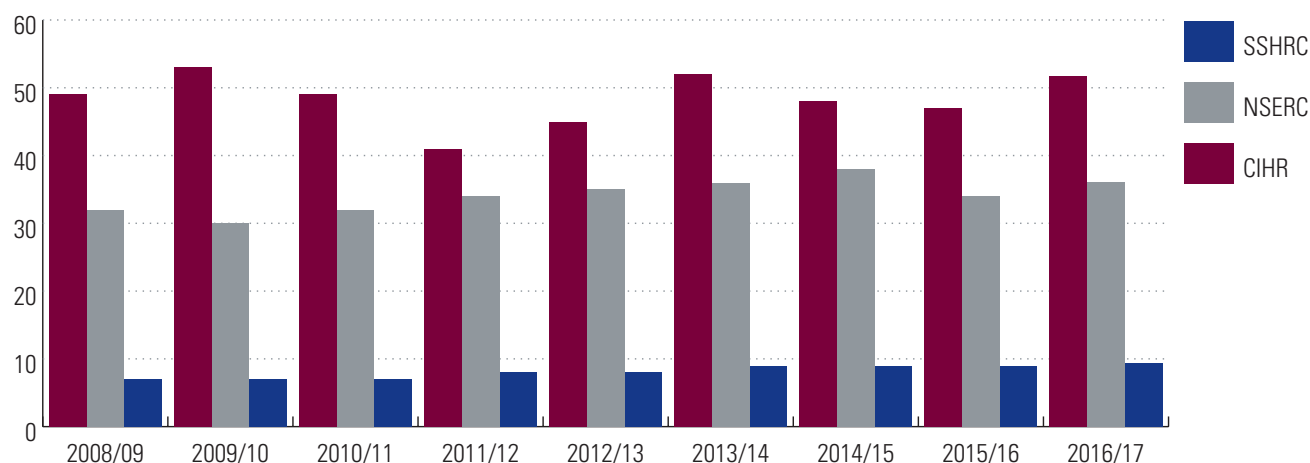
Notes:

- CIHR includes affiliated hospitals (including Juravinski Cancer Centre)
- SSHRC includes Divinity College
- Data includes CRC and NCE

Source: Tri-Agencies websites.

- Approximately \$97.2 million was received from the Tri-Agencies, including \$51.8 million from Canadian Institutes of Health Research (CIHR), \$36.1 million from Natural Sciences & Engineering Research Council (NSERC), and \$9.3 million from Social Sciences & Humanities Research Council (SSHRC).
- \$19.5 million in funding from the CIHR Foundation Grants competition in support of 3 projects to study: the mechanisms and origins of drug resistance and the discovery of new antibiotics and antimicrobial strategies, the prevention and management of influenza and advancements for the care of patients with musculoskeletal injuries worldwide through multi-national research initiatives.
- \$9.7 million from the Canada Foundation for Innovation's Major Science Initiative (MSI) Fund, which ensures that Canada's large, complex research facilities that serve communities of researchers have the support they need to continue to operate at the cutting edge. The funding will support two institutes: The Canadian Centre for Electron Microscopy (CCEM), which houses some of the world's most advanced suite of tools and capabilities and The Canadian Research Data Centre Network (CRDCN) which allows researchers from across the country to advance their understanding of key research questions and inform critical areas of public policy.

Tri-Agencies Funding (\$), 2008-2009 to 2016-2017 – \$ millions



Tri-Agencies Funding (\$)¹

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016	2016-2017
CIHR¹	49,345,310	53,373,065	49,496,341	40,615,338	44,755,061	51,527,733	48,213,512	48,192,477	51,755,022
NSERC	31,570,983	30,424,966	32,357,975	34,482,686	34,986,248	35,555,120	38,444,093	34,160,786	36,129,199
SSHRC²	7,317,787	7,344,096	7,397,814	7,675,563	8,030,162	8,899,474	9,200,804	8,585,180	9,308,485
Total	88,234,080	91,142,127	89,252,130	82,773,587	87,771,471	95,982,327	95,858,409	90,938,443	97,192,706

Note 1: Data includes CRC and NCE

Note 2: CIHR includes affiliated hospitals (including Juravinski Cancer Centre)

Note 3: SSHRC includes Divinity College

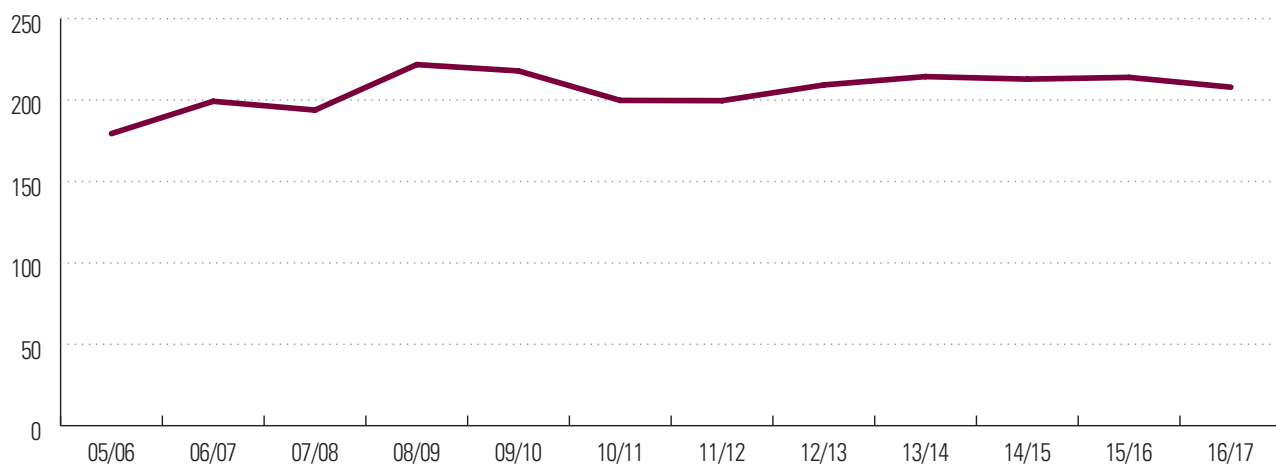
Source: Tri-Agencies websites.

Both 2015-16 and 2016-17 CIHR funding includes estimated funding.

- \$8.0 million from the Ontario Ministry of Research, Innovation and Science's Ontario Research Fund – Research Excellence Program (ORF-RE), to support two projects: the first will develop a revolutionary long range Electric Vehicle (EV) that will alleviate the cost, range and safety constraints of the current EVs; the second will develop novel materials based solutions to treat a host of vision disorders, including macular degeneration and glaucoma.
- Over \$7.0 million from NSERC under their Research Partnerships programs (Strategic Partnerships and Collaborative Research and Development Grants) to support industry-university collaborations that transfer research results and expertise to Canadian companies to help them create and maintain a competitive edge while also training students to become the next industry leaders. This funding includes close to \$1.8M that was additionally matched by \$1.1M from industry to support two research projects related to the integrated control and autonomous monitoring of data centres.
- \$2.5 million from the Terry Fox Research Institute to study glioblastoma, the most lethal and aggressive brain tumour that occurs in adults. The focus of the study will be on the relapsed cancer, not the original tumour.
- \$2.3 million from the Ontario SPOR SUPPORT Unit (OSSU) for two projects to support the masterclass, which prepares future champions for the conduct and use of patient-oriented research in Ontario's health system and future mentors to others becoming involved in the conduct and use of patient-oriented research; and to develop and evaluate a new hospital-to-home transitional care intervention for older adults with chronic health problems and depression.
- \$1.1 M from the Ontario Ministry of Research, Innovation and Science's Early Researcher Awards Program (ERA) to support eight young researchers from five faculties whose work will include: the study of how exercise promotes brain function to reduce the risk of dementia, the creation of dance technologies for people with Parkinson's disease, extraction and analysis of public data on family-friendly community resources across Canada, heavy metal removal in wastewater treatment and contaminated sediment remediation and early exercise strategies in critically ill patients to accelerate recovery.
- \$1.0 million in total from federal and provincial proof-of-principle programs to support eleven researchers. Funding will be used to develop commercialization plans, further technology development or test products and bring them closer to market, in the areas of stem cells, energy waste recovery, bioprocessing, drug detection, automotive, treatments for ophthalmic and infectious diseases, and weapons detection.
- 2016 CIHR Gold Leaf Prize for Outstanding Achievements by an Early Career Investigator (one of four Gold Leaf Prizes awarded nationally) and two 2017 Killam Research Fellowships (of six awarded nationally by the Canada Council for the Arts).

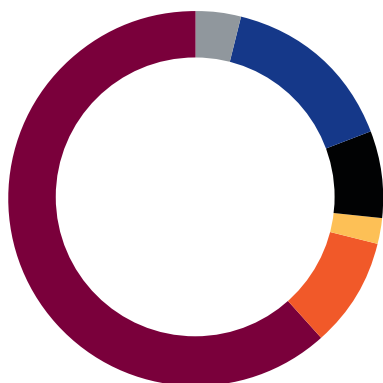


McMaster Sponsored Research Income – \$ millions (Excluding Affiliated Hospitals), 2005-2006 to 2016-2017



Source: Canadian Association of University Business Officers (CAUBO)

Sponsored Research Income – by Fund - 2015/16¹ Excluding Affiliated Hospitals (approximately \$214M)



- Other 4.1%
- Not-for-profit 15.3%
- Corporate 7.3%
- Foreign 2.4%
- Provincial/Municipal 9.5%
- Federal 61.4%

Acronyms:


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

Note 1: 2016-2017 estimate from McMaster University Financial Services.

Source: 2005-2006 - 2015-2016 Canadian Association of University Business Officers (CAUBO)

Federal Supports include Tri-Agencies awards, as well as funding from the Canadian Foundation for Innovation, Federal Government, Networks of Centres of Excellence, and Canada Research Chairs. Tri-Agencies funding is awarded from CIHR, NSERC, and SSHRC.

Provincial Funding includes support received from provincial government sources, including but not limited to Ontario Centres of Excellence, and Ontario Research Funds, such as ERA, ORF-RE, ORF-RI, etc



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's digital collections continue to grow, with more than 15,000 items available through MacSphere, McMaster's institutional repository. An additional 11,000 items, including maps, books, and multimedia are available through the Library's Digital Archive. Recent acquisitions include the archives of Stratford-based writer and McMaster graduate Marianne Brandis, journalist Peter Calamai, the award-winning Indigenous poet, playwright, and essayist Daniel David Moses, and numerous new additions to our existing archives.

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

Collections as of April 30th	2012	2013	2014	2015	2016
Books, Other					
Titles (Paper)	1,240,643	1,229,351	1,237,735	1,255,490	1,274,265
Microform (Units)	1,544,518	1,560,902	1,570,917	1,572,386	1,586,012
Electronic books	492,948	510,269	564,800	596,621	595,779
Electronic audio, scores, video, etc.	8,616	9,443	11,003	12,691	14,182
Audio Materials	46,084	46,106	46,191	45,647	45,684
Film and Video	4,152	3,655	3,811	4,147	4,071
Cartographic Material	137,902	138,142	138,319	138,444	138,512
Printed Music Scores	28,094	29,848	31,120	31,221	31,468
Total	3,502,957	3,527,716	3,603,896	3,656,647	3,689,973
Serial Subscriptions					
Print/Microform Serials	2,367	1,894	1,791	1,188	1,596
Electronic Serials	84,427	86,490	92,742	93,604	96,558
Total	86,794	88,384	94,533	94,792	98,154
Grand Total	3,589,751	3,616,100	3,698,429	3,751,439	3,788,127

- 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. Archives including such Canadian icons as Farley Mowat, Bruce Cockburn, Margaret Laurence, and British philosopher and activist Bertrand Russell are among the Division's best known.

The total information resources expenditure was \$11.5M, of which 81% was allocated to serial and e-resource subscriptions, 9% to books, and 10% to membership and collection support.

Information Resource Expenditure (\$) as of April 30th	2012	2013	2014	2015	2016
Books					
Print Monographs	631,423	616,197	572,436	658,126	775,084
Electronic Monographs	213,749	311,167	198,775	398,395	314,725
Total Expense	845,172	927,364	771,211	1,056,521	1,089,809
Serial Subscriptions					
Print Serials	628,761	567,605	609,670	651,583	619,998
Electronic Serials	6,427,441	7,091,606	6,818,806	7,770,640	8,727,984
Total Expense	7,056,202	7,659,211	7,428,476	8,422,223	9,347,982
Other					
Contract Binding	2,477	1,370	214	3,559	305
Other Library Materials	91,846	1,025,631	1,179,051	934,188	1,113,737
Total Expense	94,323	1,027,001	1,179,265	937,747	1,114,042
Grand Expense	7,995,697	9,613,576	9,378,952	10,416,491	11,551,833

Summary of Library Personnel as of April 30th	2012	2013	2014	2015	2016
Professional					
Professional Staff	24	23	23	23	28.42
Other Professionals	23	27	25	27	23.5
Total	47	50	48	50	51.92
FTE					
Support Staff FTE	72	64	69	63	68
Casual Staff FTE	22	19	16	17	18.5
Total	94	83	85	80	86.5
Grand Total	141	133	133	130	138.42

Notes:

- Does not include the Health Sciences Library (not available).
- The new Integrated Library System provides a more accurate count by item type.
- All staffing numbers are Full Time Equivalencies (FTE).

Source: CARL (Canadian Association of Research Libraries)

More than 11,000 students participated in a library instruction session; more than 15,000 research help questions were answered; more than 2.8 million articles were downloaded from the Library's electronic journal collection.



The Museum added 34 pieces of art to its permanent collection in 2016, consisting of 23 works on paper, 3 sculptures, 7 paintings and 1 media piece.

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).

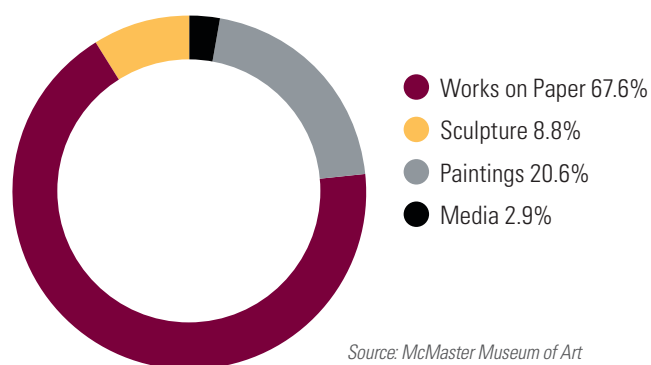
For more information on the Museum of Art, please visit: museum.mcmaster.ca/

- In 2016, the permanent collection held by the Museum of Art consisted of 5,971 works of art valued at over \$98.7 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.

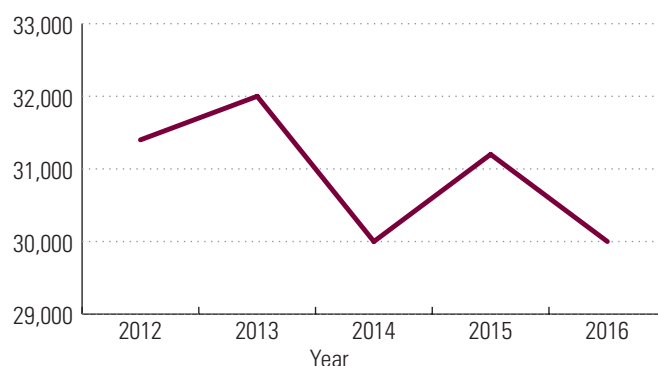
Social Media statistics for 2016 are as follows: 51,772 website views; EMuseum, 39,728 page views; Twitter Followers, 2,872; Facebook Fans, 1,278; E-invite subscribers, 1,136; Youtube subscribers, 73; and an active Geocache community.

Permanent Collection Growth, 2012-2016	2012	2013	2014	2015	2016
New Acquisitions					
Paintings	62	18	16	5	7
Works on Paper	47	10	11	66	23
Sculpture	1	2	0	8	3
Coins	1	0	0		
Media	2	0	0	1	1
Total New Acquisitions	113	30	27	80	34
Permanent Collection	7,230	5,830	5,857	5,937	5,971

New Acquisitions, 2016 (n=34)



Annual Attendance as of April 30th, 2012-2016



Attendance as of April 30th	2012	2013	2014	2015	2016
Attendance	31,400	32,000	30,000	31,200	30,000

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

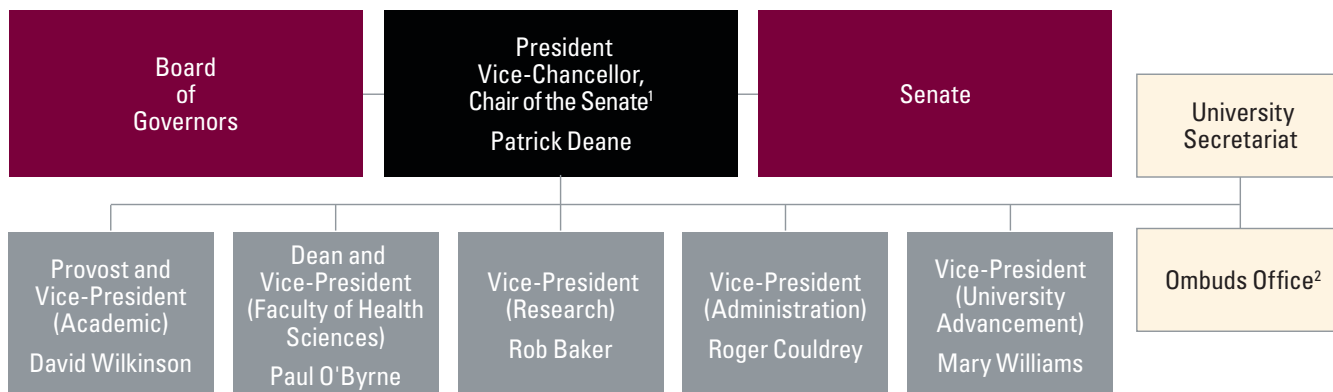
- Suzanne Labarge, 18th chancellor (2013-)

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, 2016



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.

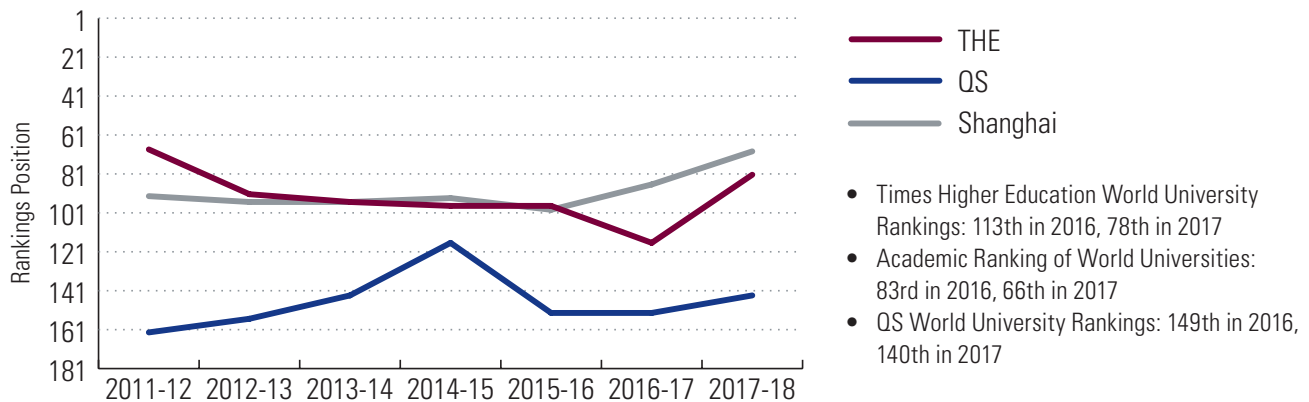
Note 2: The Ombudsperson reports to the President of the University and the President of the McMaster Students Union.

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

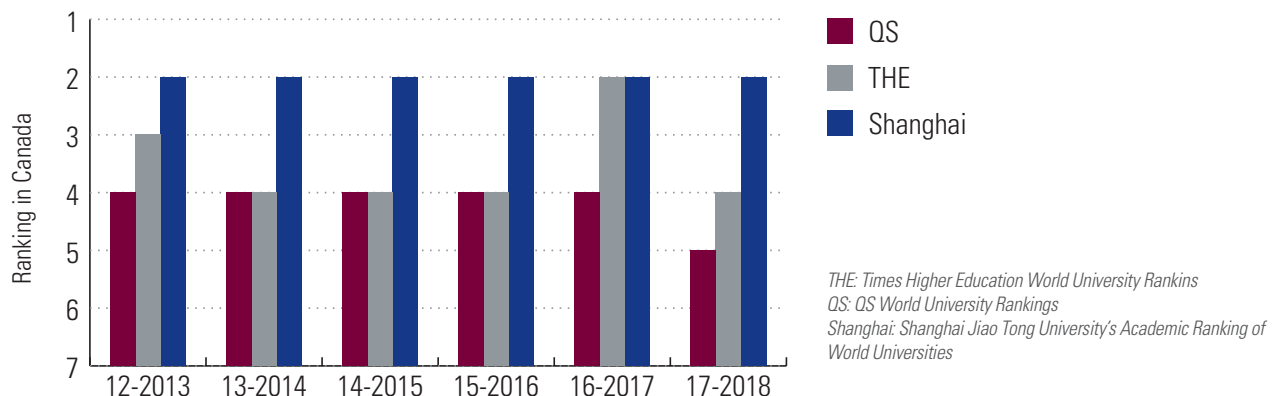


Rankings and Reputation

McMaster Rankings



McMaster Rankings in Canada





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 4, 2017, McMaster University had 10,891 employees (excluding McMaster University Faculty, Clinical Faculty and Senior Academic Librarians).

HAMILTON-NIAGARA'S TOP EMPLOYERS FOR 2017

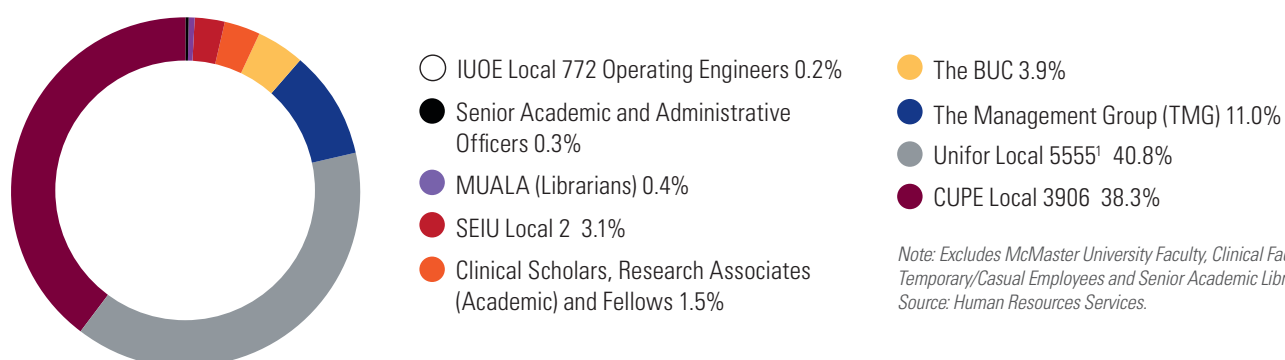
- McMaster University was named one of Hamilton-Niagara's Top Employers for 2017. This was the first time that McMaster had submitted an application to this rigorous competition. More than 72 staff members from across all areas of the University – administrative, operational, academic – collaborated 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 4, 2017

Employee Groups ¹	Count
Unifor Local 5555:	2,378
Unit 1: Non-Academic Administrative, Professional and Technical	2,331
Unit 3: Parking & Transit	28
Unit 4: Security	19
CUPE Local 3906:	2,268
Unit 1: Teaching Assistants	1,968
Unit 2: Sessional Faculty and Sessional Music Faculty	149
Unit 3: Postdoctoral Fellows (Non-HSc)	151
IUOE Local 772:	12
Operating Engineers	12
SEIU Local 2:	180
Hospitality Services and PT Satellite	177
Machinists	3
MUALA (Librarians)	24
The Building Union of Canada (The BUC)	275
Operations & Maintenance and Casual Cleaners	275
The Management Group (TMG)	643
Senior Academic and Administrative Officers	15
Senior Academic Officers	4
Senior Administrative Officers	11
Clinical Scholars, Research Associates (Academic) and Fellows	232
Temporary Staff	5,045
Total	11,072

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 4, 2017 (n=5,835)



The largest employee group, Unifor Local 5555, comprises 40.8% of the total staff count.

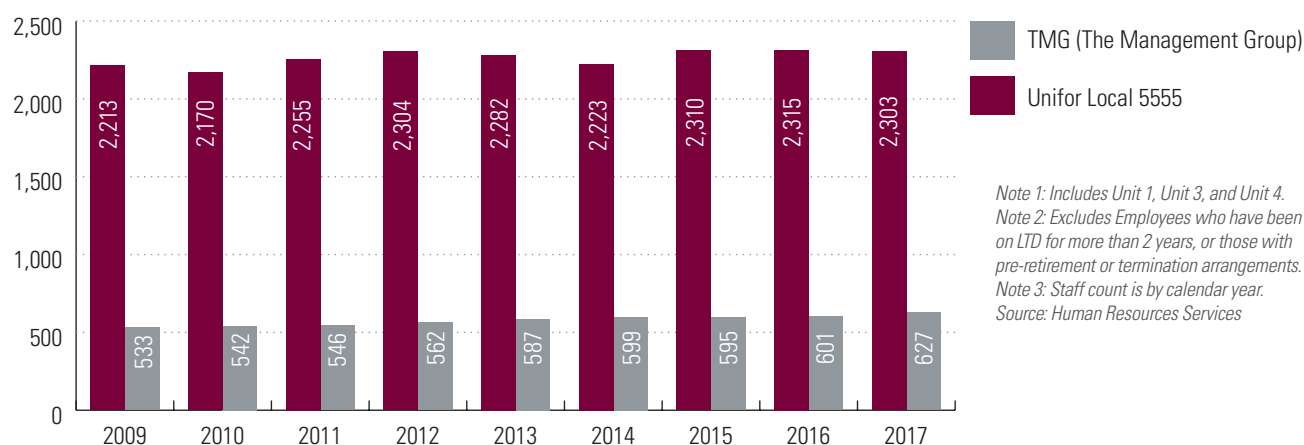
The average age of McMaster employees is 45.3 years. (Excludes McMaster University Faculty, Clinical Faculty and Senior Academic Librarians, CUPE, Temporary Staff, Clinical Scholars, Research Associates and Fellows).

Employee Groups by Years of Service and Age, as of July 5, 2017

Employee Groups	Average Yrs. of Service	Average Age
Unifor Local 5555:	11.2	44.3
Unit 1: Non-Academic Administrative, Professional and Technical	11.3	44.5
Unit 3: Parking & Transit	2.3	23.6
Unit 4: Security	4.9	37.4
IUOE Local 772:	14.8	53.9
Operating Engineers	14.8	53.9
SEIU Local 2:	8.9	46.0
Hospitality Services and PT Satellite	8.8	45.8
Machinists	14.3	56.3
MUALA (Librarians)	10.5	42.5
The Building Union of Canada (The BUC)	11.8	50.1
Operations & Maintenance and Casual Cleaners	11.8	50.1
The Management Group (TMG)	12.5	46.6
Senior Academic and Administrative Officers	14.9	57.0
Senior Academic Officers	20.5	64.8
Senior Administrative Officers	12.8	54.2
Total	11.4	45.3

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 2009-2017^{2,3}



Employees Attaining Long Service Milestones in 2017 (n=481)



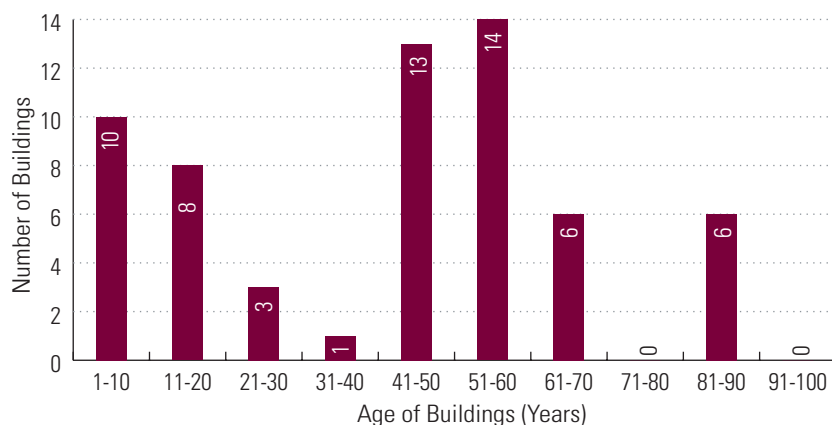
McMaster University has 12 on-campus residence buildings. A total of 3,780 bed spaces are available, with 3658 spaces reserved for incoming first-year undergraduate students.



Campus Facilities

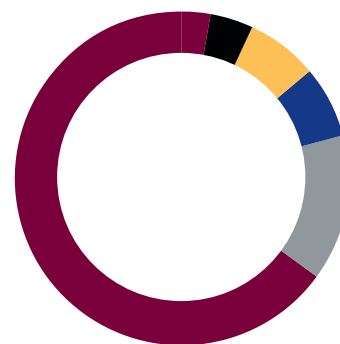
McMaster's main campus is located near the west end of Lake Ontario and is within a short distance of Cootes Paradise, Bruce Trail, Niagara Escarpment, Waterfront Trail, Royal Botanical Gardens, and Hamilton Conservation Authority. McMaster's campus encompasses an area that is 152.4 hectares. For more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

Number of Buildings by Age 2016/2017



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 = 376,899 NASM)



- Miscellaneous 5%
- Administration 5%
- Student Services 7%
- Libraries 7%
- Residence 16%
- Teaching and Research 60%

Total gross area of buildings on-campus amounts to 570,000 m².
 McMaster devotes most space to the Teaching and Research category (60%).

McMaster University Significant Facilities

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year
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
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	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	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 Automotive Resource Centre	5,143	99	Research	2013
McMaster University Student Centre	11,692	353	Hospitality	2002
Mills Memorial Library, McMaster Museum of Art (Alvin A. Lee Building)	19,620	435	Art Gallery/Library	1950
Moulton Hall	4,807	261	Residence	1959
Nuclear Reactor	1,648	56	Research	1957

McMaster University Facilities (continued)

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year
Nuclear Research Building	4,401	232	Research	1950
One James North - Downtown Hamilton	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
Source: Space Database

- The McMaster University Student Centre renovation and expansion was completed in 2016. This provided additional usable floor area including lounge seating in front of Starbucks. It also provided improved traffic flow around the food court.
- McMaster University completed construction on L. R. Wilson Hall, a Social Sciences and Humanities facility to have approximately 16,537m² (gross) for active learning classrooms, labs, community outreach spaces, research areas, and includes a new 350 seat concert hall. It is intended that this facility will attain LEED® Silver certification.
- McMaster is nearing completion on the Gerald Hatch Centre for Engineering Experiential Learning at an estimated cost of \$11 million. This facility is planned to be 2,600 m² (gross) on a footprint of 557 m² (gross) located immediately to the south of JHE. The Hatch Centre will serve as a living laboratory for researching and

applying sustainable building technologies as well as being a student centre for experiential learning. The Centre will house student clubs and societies, collaborative workspace and show space for design teams, study space, and space for extracurricular experiential learning activities.

- In recognition of the strong need at McMaster for more classroom, exam-writing, residence, and daycare space, the recently renamed Peter George Centre for Living and Learning (Academic/Residence/Hospitality/Children Centre/Underground Parking) is currently under construction at the current location of temporary buildings #T28, #T29, and #T18 at an approximate total project cost of \$118 million with completion targeted for September 2019.
- The government of Canada and province of Ontario are investing \$43 million in science and engineering teaching and research labs at McMaster. This funding

will support the repair and retrofit of existing labs in the Arthur Bourns Building, plus the construction of a new addition to that building, for which ground has broken. The investments also support the campus electricity and heat cogeneration (COGEN project), which enhances McMaster's ongoing energy conservation efforts.

- 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 \$18.4 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 184,000 alumni around the world, as of July 2017.



Alumni

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

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

Total Number of Alumni ¹ , as of July 14, 2017			
Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,441	1,605	1,670
Business	15,573	18,518	18,954
Continuing Education	3,727	4,920	5,110
Divinity	695	918	1,275
Engineering	17,517	19,965	20,217
Health Sciences	17,915	20,532	20,873
Humanities	19,814	25,791	27,904
Science	30,556	30,402	38,202
Social Sciences	34,826	45,376	48,006
Other ³	262	732	2,523
Total	142,326	168,759	184,734

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

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.

Active Alumni Residence by Province/Territory, as of August 2017

Province/Territory	No. of Active Alumni
Alberta	2,260
British Columbia	3,149
Manitoba	403
Nova Scotia	651
Newfoundland and Labrador	203
Northwest Territories	43
Nunavut	12
New Brunswick	309
Ontario	120,390
Prince Edward Island	89
Quebec	938
Saskatchewan	302
Yukon	49
Total	128,798

*Note: Active alumni residence by Province/Territory is within Canada.
Source: University Advancement*

Active International Alumni Residence by Country, as of August 2017



Active International Alumni Residence by Country, as of August 2017

Country	Alumni	Country	Alumni	Country	Alumni	Country	Alumni
Armenia	1	Eritrea	1	Lithuania	1	Scotland	52
Afghanistan	1	Taipei	1	Macau	11	Serbia/Mont Montenegro	7
Angola	5	The Netherlands	36	Ivory Coast	1	Seychelles	1
Antigua	5	Estonia	1	Malaysia	129	Sierra Leone	5
Argentina	10	Ethiopia	3	Mali	0	Singapore	156
Aruba	1	Falkland Islands	2	Malta	1	Slovak Republic	2
Australia	292	Finland	5	Mauritius	6	Slovenia	3
Austria	14	France	83	Mexico	58	Solomon Islands	1
Bahamas	66	Germany	104	Morocco	3	South Africa	24
Bahrain	5	Ghana	17	Namibia	0	South Korea	103
Bangladesh	22	Grand-Duche Du Luxembourg	7	Nepal	3	Spain	19
Barbados	32	Greece	43	Netherlands Antilles	7	Sri Lanka	10
Belgium	33	Grenada	2	New Caledonia	0	St. Lucia	4
Belize	2	Guatemala	2	New Zealand	81	Sweden	20
Bermuda	68	Guyana	14	Nigeria	39	Switzerland	66
Bhutan	1	Holland	8	Northern Ireland	19	Taiwan	67
Bolivia	2	Honduras	1	Norway	17	Tanzania	11
Botswana	18	Hong Kong	833	Oman	13	Thailand	47
Brazil	30	Hungary	6	Pakistan	51	Trinidad & Tobago	109
Brunei	5	Iceland	4	Palestine	2	Tunisia	1
Bulgaria	3	India	149	Papua New Guinea	4	Turkey	22
Burkina Faso	2	Indonesia	42	People's Republic of China	411	Turks and Caicos Islands	1
Burma	3	Iran	17	Peru	4	Uganda	13
Cayman Islands	10	Israel	30	Philippines	14	Ukraine	5
Channel Islands	6	Italy	39	Poland	10	United Arab Emirates	97
Chile	18	Jamaica	41	Portugal	5	United States of America	5,996
Colombia	7	Japan	115	Puerto Rico	2	Uruguay	1
Costa Rica	2	Jordan	7	Qatar	16	Venezuela	13
Cyprus	8	Kazakhstan	4	Republic of Croatia	3	Vietnam	5
Czech Republic	8	Kenya	54	Republic of Ireland	32	Virgin Islands	1
Denmark	13	Kuwait	16	Republic of Korea	5	Wales	13
Dominican Republic	2	Latvia	2	Romania	3	Western Sahara	1
Ecuador	1	Lebanon	5	Russia	7	Zambia	6
Egypt	83	Liberia	2	Rwanda	3	Zimbabwe	9
England	516	Libya	4	Saudi Arabia	66	Total	10,870

Source: University Advancement

Notable Alumni

Nobel Laureate in Economic Sciences

Myron Scholes

Rhodes Scholars

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

Government

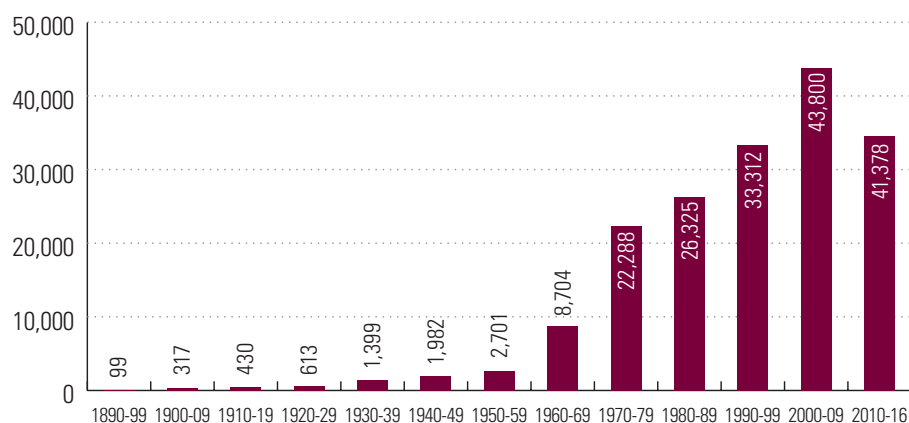
Tommy Douglas	Roy Lindsay Kellock
Lincoln Alexander	Dalton McGuinty

Distinguished Alumni Award Recipients

Salehuddin Ahmed	Roger Mitchell	Calvin Harley
Lenoard Blum	Samantha Nutt	John Hartman
Martyn Burke	Edward Pickering	Eric Hoskins
Douglas Coleman	Norman Ryder	Chil-Yong Kang
Marianne Ferber	Rajendra Singh	J. Barry Lord
Jack Gauldie	Clifford Will	Anne Martin-Matthews
William Grant	Margaret Clarke	John Mighton
Anthony Griffiths	Richard Bader	Heather Monroe-Blum
Marjorie Harris	Harold Brathwaite	Howard Petch
Paul Hoffman	Gordon Clark	Gary Purdy
Charles Johnston	Russel Donnelly	William Shaw
Murray Lang	Jaffrey Firestone	John Thomas
Kevin Lynch	Norman Glendenning	Cecil Yip
Les McLean	Martin Green	Junsen Zhang

Source: University Advancement

Number of Graduates by Decade



46.5%
of alumni have
graduated in the past 16 years

Note: Most recent period is only for seven years.
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.mcmaster.ca

2016 Results highlights

Goal:
\$21.5 million

NEW PLEDGES AND GIFTS:
\$40,016,869

DISCOUNTED FUTURE GIFTS:
\$9,261,381
OTHER REVENUE:
\$1,480,694

2016 Total:
\$38,745,685

VALUE OF RECEIPTED GIFTS IN 2016: **\$33,140,642**

AVERAGE VALUE OF A FUTURE GIFT: **\$181,000**

NUMBER OF GIFTS: **7462**

VALUE OF NEW STUDENT AWARDS GIFTS: **\$2,501,317**

Donors by Type:


INDIVIDUAL: **97.1%**
CORPORATE: **1.7%**
FOUNDATIONS: **0.6%**
ORGANIZATIONS: **0.6%**

Return on investment:
\$9.80

(for every dollar spent on philanthropic activity, \$9.80 was returned to the university)

1% OF OUR DONORS GIVE **87%** OF OUR GIFTS

Source: University Advancement



The University finished the 2016-2017 year with an audited surplus of \$129.2 million

Finance

The University finished the 2016/17 year with an audited surplus of \$129.2 million (2015/16 - \$29.1 million). The increase in surplus over the prior year relates substantially to the investment rate of return for 2016/17 of 16.0% compared to -2.8% last year resulting in \$85.5 million of additional investment income (2016/17 - \$98.4 million, 2015/16 - \$12.9 million). The investment environment was strong throughout 2016/17.

Included within the consolidated results is an operating fund surplus of \$25.9 million (2015/16 surplus of \$4.4 million). The surplus relates to growth in operating fund revenue due to increased enrollment, greater external utility recoveries as well as additional government funding for Indigenous and First Generation programs.

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

- The consolidated surplus includes other non-operating fund results from ancillary operations, research, specifically funded activities, trusts and endowments, and capital. All ancillaries contributed positively to the consolidated bottom line in 2016/17.
- Year over year capital expenditures increased to \$113.5 million, up from \$94.4 million in 2015/16, related to spending on significant capital projects such as the Peter George Centre for Living and Learning, the Gerald Hatch Centre for Engineering Experiential Learning and the Combined Heat & Power Plant.
- Total liabilities decreased by 7.6% due to the reduction in accrued employee future benefits liabilities. As a result of investment gains, additional contributions and a positive actuarial adjustment, total pension plan deficits decreased from \$169.3 million to \$3.5 million.
- The non-pension post-retirement benefit plan deficit increased from \$208.0 million to \$220.3 million. Pension and other post-retirement benefits remain the largest financial risk to the University.
- 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 Standard and Poor's credit rating at AA.

**Audited Financial Statements
are available at:**

**[http://www.mcmaster.ca/
bms/pdf/fs_afr_17.pdf](http://www.mcmaster.ca/bms/pdf/fs_afr_17.pdf)**



Year ended April 30, 2017 with comparative figures for 2016* (\$ millions)

Statement of Operations - Audited**	2017	2016	% change
Revenues	1,093.2	954.4	14.5%
Expenses	964.0	925.3	4.2%
Excess of revenues over expenses	129.2	29.1	344.0%

Statement of Financial Position - Audited*	2017	2016	% change
Assets	2,584.5	2,242.1	8.6%
Liabilities	1,473.1	1,349.4	-7.6%
Net Assets	1,111.4	892.7	41.7%

Operating Fund - Unaudited*	2017	2016	% change
Sources of revenue	632.6	589.1	7.4%
Net expenditures and transfers	606.7	584.7	3.8%
Net surplus	25.9	4.4	488.6%

Reconciliation of Operating Fund Results to Audited Statement of Operations above*	2017	2016	% change
Net surplus/(deficit) Operating Fund	25.9	4.4	-488.6%
Accrual Adjustments:			
Net capital adjustments	22.6	7.7	193.5%
Internal Endowment investment income transfer	15.6	(8.7)	-279.3%
Pension and other post retirement accruals	16.5	21.4	-22.9%
Other accounting adjustments	48.6	4.3	1030.2%
Excess of revenues over expenses per audited results	129.2	29.1	344.0%

** 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.

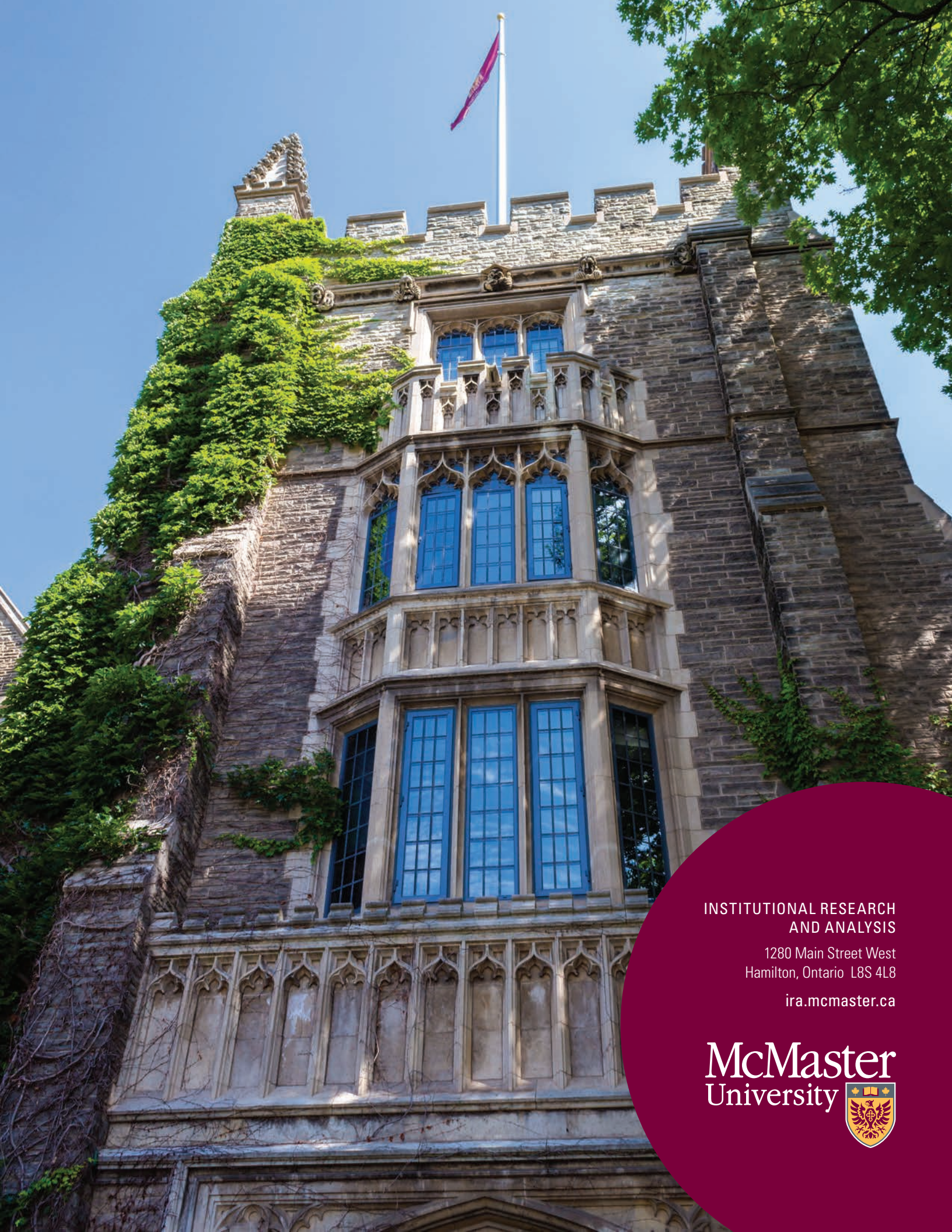
Total assets grew by 8.6% as a result of the increase in long term investments and capital assets.

Definitions and Glossary

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

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-Council	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
USPORTS	The Canadian Interuniversity Sport (CIS) rebranded to U Sports in October 2016.



INSTITUTIONAL RESEARCH
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