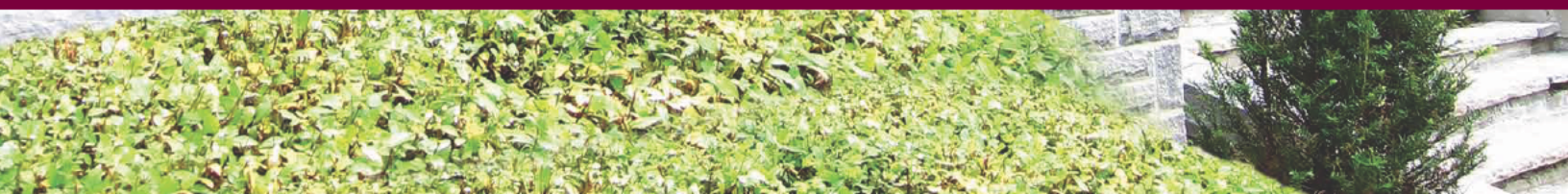




McMaster University Fact Book

2015-2016





Fact Book 2015-2016

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

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

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- Financial Aid and Scholarships
- Financial Services
- Human Resources Services
- McMaster Industry Liaison Office (MILO)
- McMaster Innovation Park
- 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
- The Paul R. MacPherson Institute for Leadership, Innovation and Excellence in Teaching
- Residence Admissions & Marketing
- School of Graduate Studies
- Student Accessibility Services
- Student Affairs
- University Advancement
- University Library

Introduction

October, 2016

We are pleased to present to the University community the 2015-2016 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 2015-2016 academic year. Once again, McMaster was ranked among the Top 100 universities in the world by both the *Times* Higher Education World University Rankings (94th) and the Academic Ranking of World Universities (96th). McMaster University was named one of Hamilton-Niagara's Top Employers for 2016. Health Canada granted a pharmaceutical testing licence to McMaster labs, making McMaster the first Canadian university to earn the licence. Two graduate programs – Master of Communications Management and MSc. in eHealth were named to Eduniversal's global rankings. The Religious Studies Graduate program celebrated its 50th anniversary in 2016.

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

Please bookmark this document 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

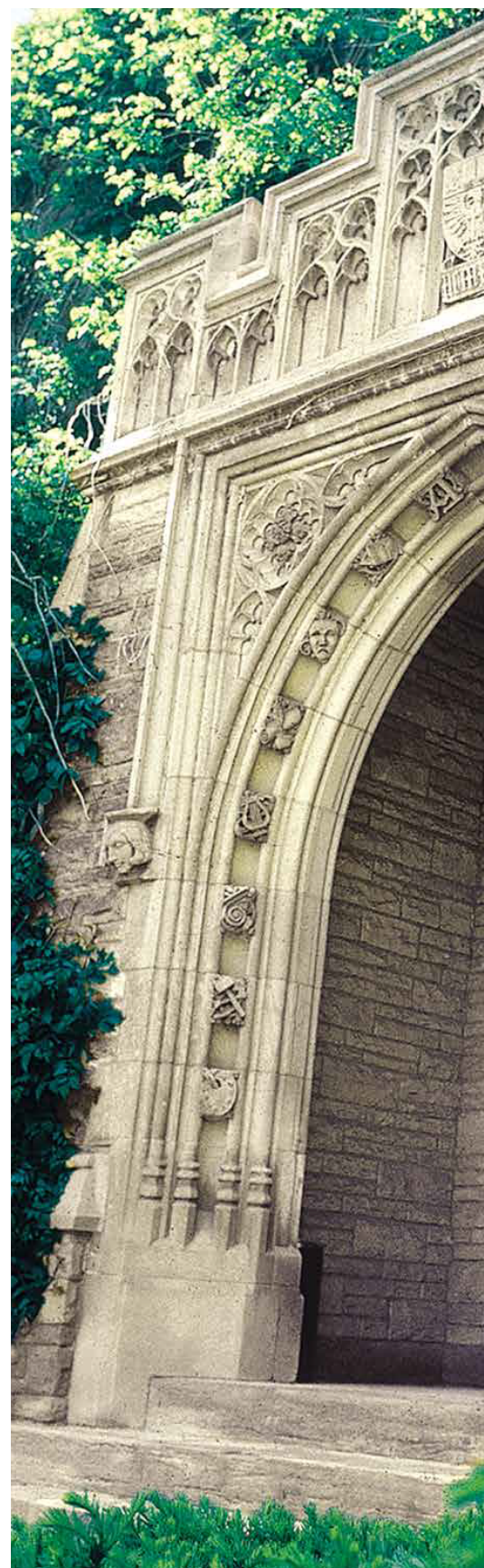
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2015-2016



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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

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 is also committed to further 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 (MacPherson Institute, formerly known as MIETL) continues to launch new initiatives and to provide strong pedagogical and research expertise to enable program enhancement and technology integration. The Student Partners program engages students in all aspects of the MacPherson Institute's work and the MacChangers program, a pilot project with the Faculty of Engineering and the University College of London, UK, supports interdisciplinary teams of students in proposing projects intended to further improve the student learning experience at McMaster.

■ The Living Learning Centre, a new innovative facility, has now been approved for construction. The Centre will enhance the student experience by bringing together academic space with residence spaces for 500 students, as well as the Student Wellness Centre, Student Accessibility Services, and the McMaster Children's Centre. The targeted completion date is September 2019.

■ The online Student Learning Portfolio, first launched in 2013-2014 to facilitate the thoughtful integration of classroom and extracurricular learning with students' personal goals, has now been enhanced with a more user-friendly technology platform to facilitate the process for both students and faculty.

■ Across the University, students continue to be offered opportunities to engage in transformative experiential learning experiences and work-integrated learning. Recent initiatives include:

- The launch of three new co-operative education programs in the School of Geography and Earth Sciences, Faculty of Science, in 2015-2016.
- The development of the Gerald Hatch Centre for Engineering Experiential Learning. Due to open in Fall 2017, this Centre will operate as a central hub for student-focused experiential learning in Engineering. It will enable undergraduate students to integrate projects undertaken both inside and outside the classroom.
- A variety of experiential

learning opportunities are offered by the DeGroot School of Business, including the "Canada's Next Top Ad Exec" competition, which was developed at McMaster and celebrated its 10th anniversary this year, with more than 230 teams participating from across the country.

■ Support for student entrepreneurs is provided through "The Forge", which includes two off-campus "accelerator" locations for start-ups at the McMaster Innovation Park and on James Street North (opened Fall 2015), as well as on-campus programming (workshops, events, competitions) under the umbrella "Forge@Mac". In addition, a number of hackathons and "StartUp Weekends" have been held to encourage and support commercialization and entrepreneurship.

■ To meet societal and labour market needs and student demand, McMaster will continue to develop new innovative inter-disciplinary and multi-disciplinary programs. Recent initiatives include:

- The Integrated Biomedical Engineering and Health Sciences Plus program, currently being reviewed by

the Quality Council and the Ministry of Training, Colleges and Universities (MTCU), now known as the Ministry of Advanced Education and Skills Development (MAESD). This program will introduce students to the Biomedical Engineering and Sciences field, which integrates biological and medical sciences with engineering and the physical sciences.

□ The development of the Bachelor of Commerce in Integrated Business and Humanities program. Designed to equip students with multi-disciplinary knowledge and the skills to resolve complex and multi-dimensional problems, this program is currently going through the approval process with the goal of launching it in September 2017.

□ A new School of Interdisciplinary Science (SIS) launched by the Faculty of Science in January 2016, brings together Honours Integrated Science, Life Sciences, Medical Physics and Medical Radiation Sciences. The new school fosters exploration and discovery, and emphasizes experiential, collaborative and student-centred learning.

■ McMaster supports a variety of initiatives intended to equip our students with the leadership skills needed to be engaged and successful citizens. Recent initiatives include:

□ The Michael G. DeGroote Health Leadership Academy, a joint initiative between the Faculties of Health Sciences and Business, will provide a pathway for healthcare students and professionals to earn an accelerated MBA. The Academy will also offer a number of certificate and diploma programs intended to

develop world-class leadership capabilities in the health sector.

□ The Graduate Diploma in Critical Leadership in Social Services and Communities offered by the School of Social Work, Faculty of Social Sciences, will enable professionals working in the field to engage in post-Master's educational opportunities to advance their leadership skills.

□ The Faculty of Humanities has launched two Art of Leadership courses to provide McMaster students with practical mentoring and coaching activities while focusing on contemporary leadership concepts, values and attitudes, motivational techniques and change management.

McMaster is
ranked among
the top 100
universities
in the world.

Key Outcomes

■ Based on the National Survey of Student Engagement (NSSE), McMaster frequently ranks higher than the Ontario average in the categories of academic challenge, active and collaborative learning environments, enriching educational experiences and supportive campus environment.

■ McMaster programs provide high-quality preparation for future careers. In the 2015 survey of McMaster's 2013 undergraduate degree recipients, 80.6 per cent of respondents 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. The Ontario average was 78 per cent.

■ In 2015-2016, McMaster enrolled 1,119 credit transfer students (an increase of 18% compared to 2014-2015) from 20 Ontario universities and 20 Ontario colleges of applied arts and technology. We have agreements in place with a variety of universities and colleges.

■ The McMaster Academic Planner (MAP) online interactive planning tool, the first of its kind, is now in use by Faculty of Science current and prospective students to explore the many pathways open to them at McMaster. The planner includes upper level student profiles, experiential education samples for each department, program and school, and a series of videos explaining how the Science curriculum intersects with the Science Career and Co-op Education office initiatives, in addition to program information and course requirements.

■ As a result of the Student Mental Health and Well-Being Strategy launched in 2015, more than one hundred front line staff have been trained on "Mental Health First Aid", enabling them to better recognize and refer students who are experiencing mental health difficulties. A co-ordinated and consistent approach to handling urgent severe cases of students in mental distress has been established, and a research grant of more than \$800,000 from the province's Mental Health Innovation Fund allowed the development of the "Arrive and Thrive" program, which supports students with mental health and substance abuse challenges.

■ Since its establishment just over two years ago, The Forge has incubated more than 60 companies and is currently housing 40. Two companies

have moved out of The Forge as self-sustaining and profitable ventures and another 15 to 18 companies are either making money or have received investment or competition award money. More than 1,400 students have participated in Forge@Mac events, with around 530 students having participated in on-campus entrepreneurial competitions.

■ The MacPherson Institute has led the redesign of eight McMaster courses for online or blended delivery. Launched in collaboration with Coursera, McMaster's first MOOC specialization, Finance for Everyone, will help students learn the language of finance and understand how the flow of money relates to the most important key social issues influencing their lives and communities.

■ Almost 200 students have participated in the MacPherson Institute's Student Partners Program, which recognizes students as important contributors as coauthors, co-designers and conference presenters.

■ The Learning Portfolio has been implemented into 17 curricular and co-curricular programs at McMaster and the number of users continues to grow. In 2015-2016 there were 8,237 users, an increase of 11% over 2014-2015. The number of items created by these users (which include artifacts, reflections, presentations, and collections) also saw a large increase of 27% from 107,724 to 136,309.

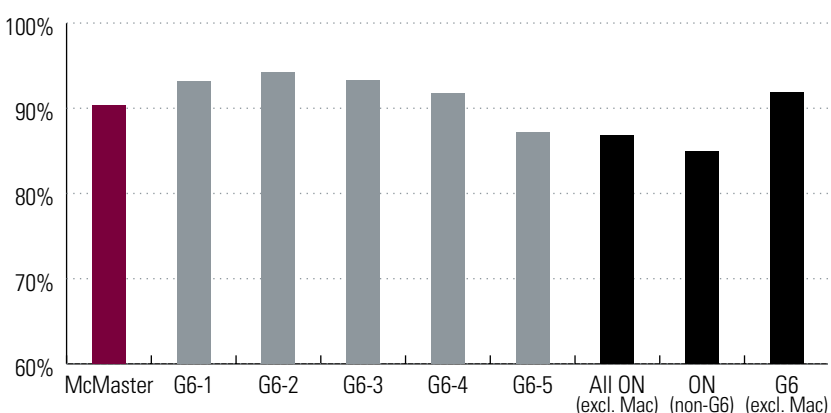
■ In response to societal needs and student demand, McMaster developed and received MTCU's approval for a total of nine new programs during 2015-2016. Among them, the PhD in Labour Studies, developed by the Faculty of Social Sciences, will engage students in the study of the world of work and labour. The first of its

kind in Canada, the program will support students in developing leadership and high-level skills in community-engaged research and critical theory, and enable them to engage constructively in public policy debates.

■ Building on the University's successful partnership with Mohawk College, the Faculty of

Science will be launching three new Honours Bachelor of Applied Science programs in 2016-2017: Honours Human Behaviour, Honours Human Behaviour (Autism and Behavioural Science Specialization) and Honours Human Behaviour (Early Childhood Education Specialization). Students in one

Undergraduate First Year to Second Year Retention Rates – Fall 2015

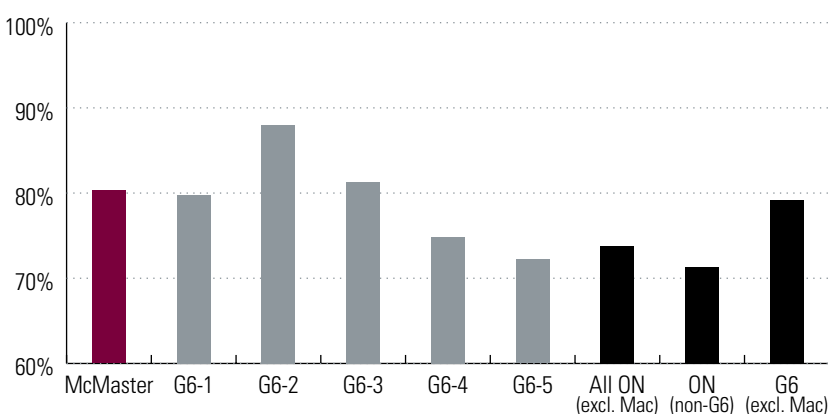


Note 1: Retention rates are based on first-time, full-time undergraduate students who commenced their studies in the previous year and have continued to study at the same institution in the reporting year.

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) 2016.

Undergraduate Eight Year Graduation Rate – 2014



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: University Statistical Enrolment Report and Degrees Awarded submissions to MTCU, 2015.

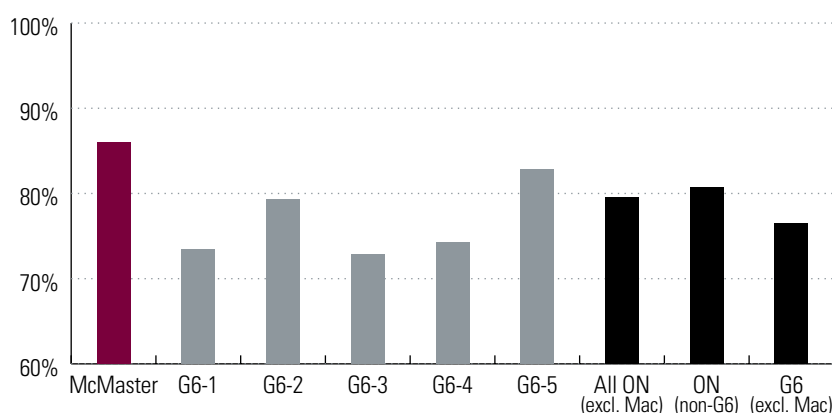
of the two specialization streams within the program pursue two qualifications simultaneously, with graduates receiving an Ontario College Graduate Certificate from Mohawk and the McMaster Honours Bachelor of Applied Science degree. Also beginning in 2016, McMaster students in the Department of Communication

Studies and Multimedia, Faculty of Humanities, will be able to complete a Mohawk College Post Graduate Certificate in Communications Media Practices. The certificate will be completed over two summers.

■ McMaster undergraduate students now have the ability to enrol and graduate with multi-

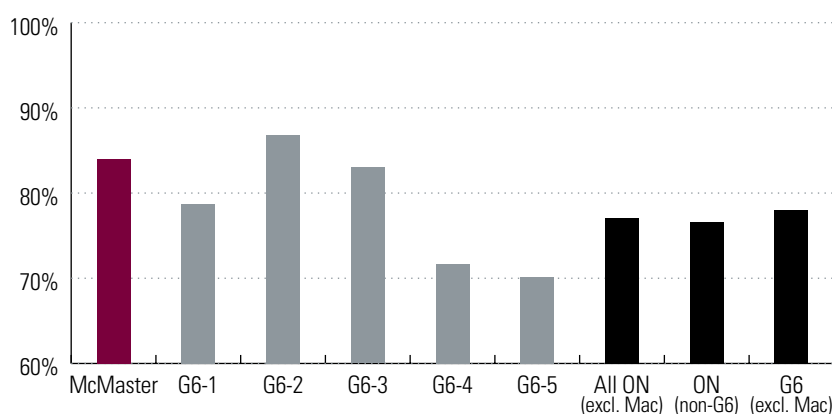
disciplinary credentials from more than one Faculty as a result of inter-Faculty collaborations. Specifically, students may complete an Honours degree in Humanities together with a Specialized Minor in Commerce and will have the opportunity to go on to complete a Master of Business Administration at McMaster in one year.

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



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

McMaster
frequently
ranks higher
than the
Ontario
average in
NSSE
benchmarks.

Strategic Goals

2

Goal two: Enhancing the connections between McMaster and the communities we serve, locally, provincially, nationally and around the globe.

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 access and supports for underrepresented groups, including Indigenous students, Crown Wards and First Generation students.

Key Initiatives

■ McMaster's Network for Community-Campus Partnerships has been engaged in a strategic planning process over the last year and launched its 2016-2020 strategic plan in June 2016. The Network has also developed a user-friendly website, including a database designed to connect members of the community with particular projects or people, published a practical guide for community groups seeking support or advice from University researchers, and acts as a source of advice on community-engaged scholarship and support, both internally and externally.

■ McMaster worked with our partners at Mohawk College, Redeemer University College, and the City of Hamilton to develop a series of principles of cooperation to guide our future work together. The primary goal is to consider opportunities for collaboration and ensure that resources and opportunities are maximized in our interactions.

■ CityLAB Hamilton is a proposed innovation hub intended to nurture collaborative projects involving McMaster University,

Mohawk College, and Redeemer University College faculty and students, City staff, and members of the broader community.

The partnership is intended to advance the City of Hamilton's strategic priorities, while building on student and faculty creativity to address some of our community's most complex challenges.

■ McMaster is also a founding partner in the Hamilton Anchor Institution Leadership initiative (HAIL), a City-wide project which brings together the leaders of anchor institutions to work on community-based issues of concern, such as housing, poverty, and health.

■ The Faculty of Engineering is working with industry and municipal partners to create efficient integrated community energy systems that generate, store and share electricity, thermal waste heat, renewable energy and traditional fuel in a seamless manner.

■ We continue to build upon our strong partnership with Six Nations Polytechnic to assist Indigenous learners seeking a university degree to transition to

McMaster, as well as providing support to the Indigenous Knowledge Centre. The recent appointment of an Associate Director, Indigenous Services, in Student Affairs is intended to provide enhanced guidance and support for Indigenous students at McMaster.

■ In 2015, McMaster's Venture Outreach welcomed more than 60 students from Six Nations of the Grand River and New Credit First Nations to campus for two free weeks of overnight camp. Campers learned about engineering disciplines through hands-on projects, demonstrations and interactive presentations.

■ The McMaster Children and Youth University (MCYU) has been expanded to include the "MCYU in the City" program of workshops, involving students throughout Hamilton. The MCYU is dedicated to the educational engagement of young people and their families, using a variety of inquiry-based lectures and hands-on community-based workshops. The goal is to demonstrate the valuable contributions of young people to knowledge development, and to present

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

university education as a viable option for those who may not previously have considered it.

■ McMaster has developed a number of initiatives aimed at facilitating meaningful community dialogue, fostering collaboration, and building partnerships including:

□ “Perspectives on Peace”, a year-long campaign, provided opportunities for members of the McMaster community to engage with one another around the theme of peace in a spirit of conciliation, engagement and inclusion. The campaign included lectures, facilitated discussions, art exhibits, story-telling circles and McMaster's first ever Model United Nations conference (MACMUN), which involved more than 120 students from across the campus.

□ For the 2015-2016 academic year, the McMaster Seminar on Higher Education took as its theme “The Engaged University” and focused on the role and responsibility of the Academy in relation to a variety of issues, ranging from climate change to the work of the United Nations. The free series of events was open to all members of the local community.

□ The DeGroote Women's Professional Network, formed in 2016 by the DeGroote School of Business, is committed to the advancement

of women in business and society through continuing learning and professional development. The Network brings together current and emerging female leaders from a diverse range of backgrounds and offers networking opportunities, mentorship platforms, and philanthropic initiatives.

Key Outcomes

■ In 2015-2016, McMaster welcomed over 5,000 full-time first-generation students (representing about 17 per cent of McMaster students), over 500 (1.7 per cent) Indigenous learners (First Nations, Métis, and Inuit) and 1,008 (4 per cent) students with disabilities. McMaster continually strives to improve access to underrepresented groups.

■ The Network for Community-Campus Partnerships hosted the 2nd annual Change Camp Hamilton, an action-oriented conversation focused on community, partnerships and collaboration. The dialogue drew 200 participants (double the attendance of the 2015 event), including 100 students, Hamilton's Mayor and City Manager, and senior leadership from Mohawk College and Redeemer University College, as well as McMaster. Key outcomes include the engagement of more than 30 organizations across the City and the development of 234 action recommendations aligned with the City of Hamilton's strategic plan. The Change Camp Hamilton

partnership is now pursuing these recommendations while also developing a comprehensive approach to embed Change Camp Hamilton actions within curricular, co-curricular, and extra-curricular activities that take place throughout the year.

■ 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 2013, 88.81% had found employment within 6 months and 94.51% within 2 years (source: Ministry of Training, Colleges and Universities' 2015 Ontario University Graduate Survey). In another survey, 81% of undergraduates graduating from the DeGroote School of Business found employment with an average starting salary of \$48,798 on graduation, while 81% of co-op graduate students from the DeGroote School of Business secured employment with an average salary of \$68,350 (source: DeGroote survey of 2014 graduating class).

■ McMaster remains a significant source of employment within our community, and in 2016 was named one of Hamilton-Niagara's Top Employers, a designation that recognizes those Hamilton-Niagara employers that offer exceptional places to work. With approximately 15,900 faculty and staff (over 6,000 full-time), McMaster is one of the largest employers in the greater Hamilton area.



▲ Opened in 2015, the David Braley Health Sciences Centre in downtown Hamilton is the home of a unique collaboration between the Department of Family Medicine of McMaster's Michael G. DeGroote School of Medicine and the City of Hamilton's Public Health Service.

■ Opened in 2015, the David Braley Health Sciences Centre in downtown Hamilton is the home of a unique collaboration between the Department of Family Medicine of McMaster's Michael G. DeGroote School of Medicine and the City of Hamilton's Public Health Service. The building has a large family health clinic providing services for 15,000 city residents, and is also the centre for education and experiential learning for 4,000 students and other health science research offices. The facility has been enhanced by services and conveniences, including a pharmacy and a cafe, and has hosted numerous special community events.

■ More than 4,000 grade school students in Hamilton, Peel, Halton, Waterloo and Six Nations participated in an outreach program delivered by McMaster's Faculty of Engineering, which taught computer coding skills to students in Grades

1 through 9. The program aims to interest even the youngest students in technology and engage middle school children in thinking about how technology can be used to tackle social challenges.

■ The McMaster Children and Youth University (MCYU) celebrated its fifth year by expanding its on-campus lecture program to nine lectures, covering topics spanning all Faculties, and reaching an attendance of 1,550 youth and their guardians. In addition, the new MCYU in the City program engaged 52 undergraduate and graduate students in developing nine inquiry-based workshops held throughout Hamilton.

■ The MacPherson Institute held its first Summer Institute in 2015, bringing together 90 students, faculty and staff collaborators from McMaster, the University of Gloucestershire, Elon University, Trinity University and the University of Queensland.

Outcomes of the event included a number of collaborative research projects and plans for an international journal focusing on the role of students as partners.

■ The McMaster Discovery Program, which began in 2011, has now graduated approximately 125 students. Many of the participants have begun spinoff projects as a result of the program, including sharing their work with other Hamilton audiences and starting a writing group for women. In the last year, two students have gone on to enrol in McMaster undergraduate programs.

■ A number of programs and courses focused on community engagement have been developed. The Foundations of Community Engagement level II course was piloted during 2015-2016, with an inaugural enrolment of 28 students. The course provides students with the knowledge and skills needed for effective and

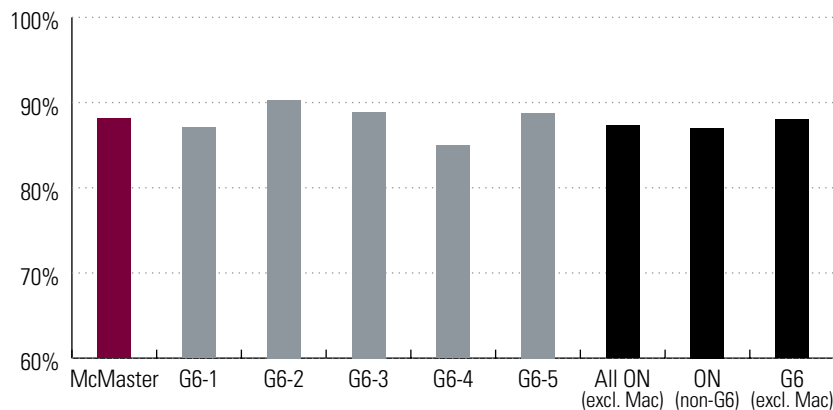
principled community engagement, and attracted students from all six Faculties. An Interdisciplinary Minor in Community Engagement will be offered for the first time in Fall 2016, as well as a Graduate Diploma in Community-Engaged Research and Evaluation offered by the School of Social Work, Faculty of Social Sciences. The diploma

program delivers courses focused on topics of relevance in the social service and community sectors.

■ 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 and enhance their academic success. Enrolment in the program has more than doubled from 36 students in 2014-2015 (inaugural year) to 75 students in 2015-2016. Around 95% of the 2015-2016 intake successfully completed the program and will enrol in first year programs at McMaster in September 2016.

Graduate Employment Rate, 6 Months post graduation – 2015



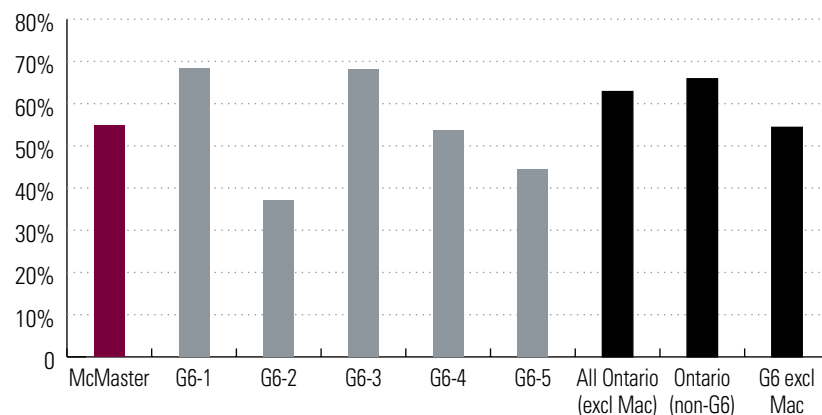
Note 1: Graduate Employment Rate is the number of graduates of bachelors or first professional degree programs expressed as a percentage of the labour force after graduation.

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) 2015.

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).

Note 3: OSAP participation rates are arrived at by taking OSAP awards as a percentage of full-time enrolment. Note 4: OSAP award recipients are recipients of Canada or Ontario loans or grants through the Ontario Student Assistance Program. This includes recipients of 30% Off Ontario Tuition grants. This is final 2015-2016 year-end data extracted as of September 12, 2016.

Note 5: Enrolment data used to calculate 2015-2016 OSAP participation rates at universities is based on funding eligible undergraduate and graduate November 1st headcount of students with 60% Load (0.3FTE) or greater.

Source: Council of Ontario Universities (COU)

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

Strategic Goals

3

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.

McMaster is a globally competitive research-intensive University that excels at interdisciplinary and collaborative research, working with industrial, government and community partners, as well as other academic institutions around the globe. Our research reflects current and emerging social and economic 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 has been successfully engaged in a number of large-scale initiatives and collaborations to support Advanced Manufacturing. The Government of Ontario is investing \$35M towards a unique Advanced Manufacturing Consortium involving McMaster and two other top research-intensive and industrially collaborative universities. The Consortium is intended to lead Ontario in advanced manufacturing in the broadest sense, including in emerging sectors such as next-generation additive manufacturing, and digital components and devices, and has the potential to make significant impact on a global scale. In addition, in partnership with ArcelorMittal Dofasco, McMaster has established the ArcelorMittal Dofasco Chair in Advanced Manufacturing, which is focused on an interdisciplinary approach to the development of manufacturing policy in Canada.

■ Over the 2015-2016 year, McMaster held a Research

Showcase, involving more than 190 researchers from all Faculties. The Showcase highlighted the University's cutting-edge research and explored the ways in which McMaster research can help cities respond to a range of challenges and support the creation of healthy, smart, creative communities. The series of events focused on themes ranging from the impact of aging on society, healthy neighbourhoods, climate change, and big data and evidence-based decision-making. The events were widely advertised within the community and achieved total attendance of 2800, including 18 events where 17 of McMaster's research labs and facilities were opened to the public.

■ McMaster continues to lead interdisciplinary research collaborations that span institutions, such as the Canadian Longitudinal Study on Aging, and the Allergen and Centre for Probe Development and Commercialization Networks of Centres of Excellence. In addition, two new national patient-oriented

research networks have been established, each supported by a \$12.5M federal grant: the Chronic Pain Network, and the IMAGINE-SPOR Chronic Disease Network on intestinal disease.

■ In partnership with the Fraunhofer Institute for Cell Therapy and Immunology (Fraunhofer IZI), McMaster established the McMaster-Fraunhofer Biomedical Engineering and Advanced Manufacturing Project Centre (BEAM), a joint project centre to develop novel technologies for cell therapy and point-of-care diagnostics. Working with researchers from the Fraunhofer IZI and other private sector partners, McMaster researchers are undertaking a newly developed research program in Advanced Manufacturing of Printable Diagnostic Systems for Bioprocess Control and Personal Medicine, which will train 18 Postdoctoral Fellows, 12 graduate students and provide a research experience for more than 30 undergraduate students over the next five years.



▲ McMaster Innovation Park is an important part of the innovation ecosystem in Hamilton. By supporting startup businesses, research and offering collaborative space for different sectors to co-locate, connect and commercialize, it provides a means to transform ideas from vision to commercial reality.

■ McMaster is a leader in Automotive Manufacturing research and innovation and has successfully engaged graduate and undergraduate students in this work. In the past year alone, research conducted through the Canada Excellence Research Chair in Hybrid Powertrain has trained 45 graduate students, 10 undergraduates and 7 postdoctoral fellows, and has secured funding to further enhance the research infrastructure of the McMaster Automotive Resource Centre.

■ McMaster is focused on developing and expanding its research enterprise and operates a range of world class research laboratories, including the McMaster Nuclear Reactor, one of the world's largest suppliers of the medical radioisotope iodine-125

which is used for the treatment of prostate cancer; the Population Health Research Institute (PHRI), a collaborative initiative with Hamilton Health Sciences, which is Canada's premiere global health research institute and a world leader in large clinical trials and population studies; the Labarge Optimal Aging Initiative, which has supported 19 research projects over the last four years, builds upon McMaster's research strength in optimal aging while also promoting access to reliable information for older adults through the McMaster Optimal Aging Portal; and The Michael G. DeGroote Institute for Infectious Disease Research, which is training the next generation of infectious disease researchers and clinicians.

■ McMaster is focused on supporting the commercialization

of the cutting-edge work undertaken by our researchers. McMaster Innovation Park provides a range of office, lab and specialized facilities to more than 55 companies with over 700 people working onsite. Through its various incubation spaces, support is provided to start-up companies enabling them to successfully bridge the gap from research to commercial application.

■ In 2015-2016, the Faculty of Humanities established the Program on Ethics and Policy for Innovation (PEPI) research centre. Supported by the Bill and Melinda Gates Foundation, this centre focuses on applied ethics research, and prioritizes identifying and addressing ethical challenges, ethics-related risk, and policy gaps that have the potential to undermine the

impact of lifesaving technologies and interventions in global health and development. Students from the graduate program in Philosophy are engaged as research assistants, taking on real-world issues and case studies in applied ethics problems to ensure that they enter the job market with practical experience in the policy-making arena.

■ We continue to focus on increasing graduate enrolment and are introducing new graduate programs to meet Ontario's higher education and training needs. Some examples include:

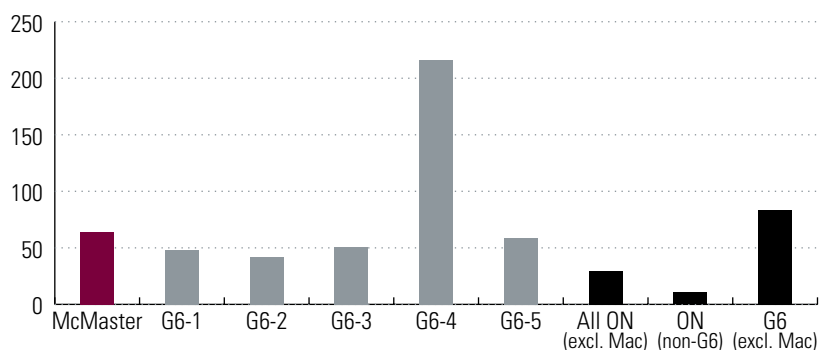
□ The PhD program in Health Studies (Fall 2015), which will equip students with theoretical and methodological expertise in integrating knowledge and research from a broad range of social sciences disciplines.

□ The Masters of Biomedical Discovery and Commercialization (BDC) program (Fall 2016), which aims to position graduates for advanced training in the biomedical sciences and to become leaders in the health sciences, drug discovery and development sectors.

□ The PhD in Labour Studies (beginning in 2017), which will prepare students for the critical appraisal of work, working people and their organizations, and labour market policies, and provide opportunities to learn about advanced research methods.

□ The Executive MBA in Digital Transformation, which is an interdisciplinary program 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.

Canada Research Chairs, as of March 2016

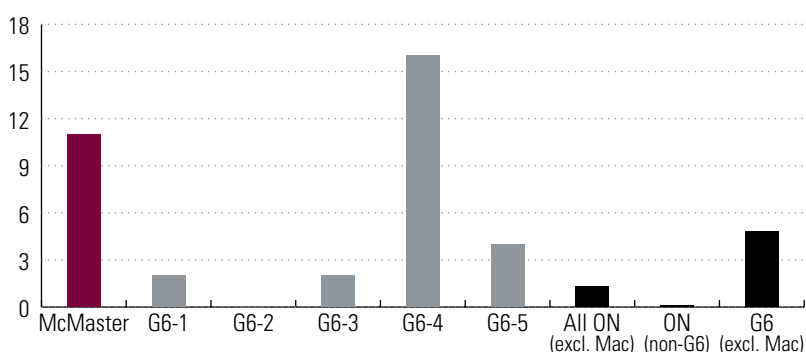


Note 1: As of March, 2016.

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: Canada Research Chairs, March 2016.

Highly Cited Researchers 2015

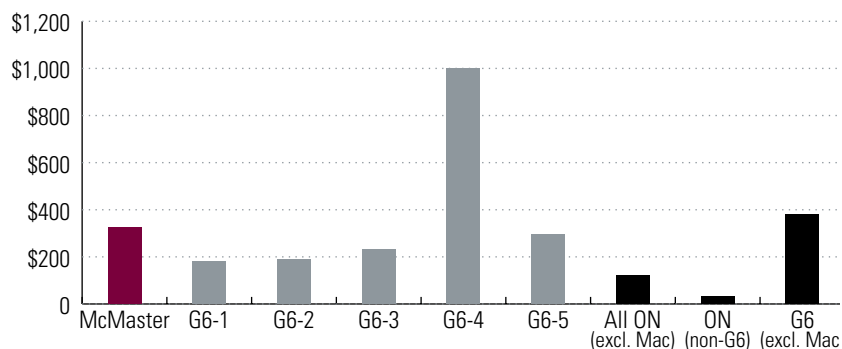


Note 1: Highly Cited Researchers is a list of leading researchers in sciences and social sciences from around the world. The 2015 list focuses on highly cited papers in science and social sciences journals indexed in the Web of Science Core Collection during the 11-year period 2003-2013.

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 2015.

Total Sponsored Research Income (\$000) 2014-2015

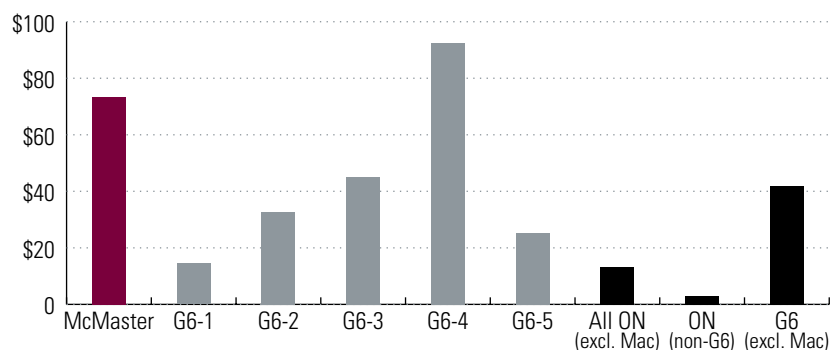


Note 1: 2014-2015 is the latest comparable data available.

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) 2016.

Research Funding from Industrial Sources (\$000,000) 2014-2015



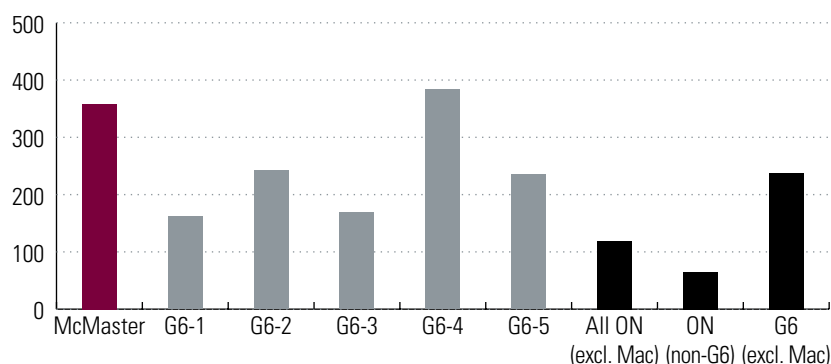
Note 1: 2014-2015 is the latest comparable data available.

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) 2016.

Research Intensity Ratio (\$000) 2014-2015



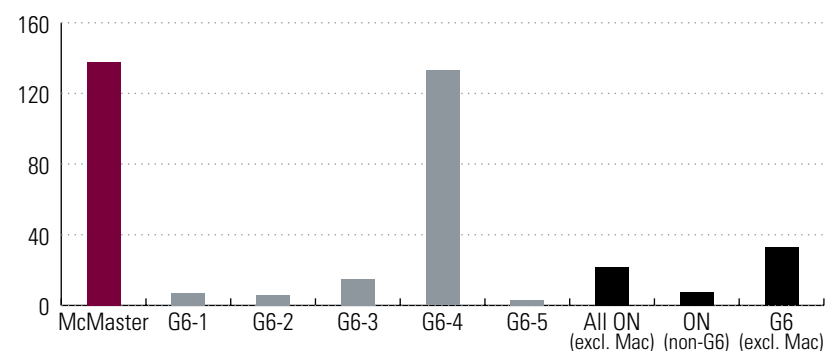
Note 1: Data includes only institutions that are part of the top 50 Canadian research universities.

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: 2013-2014 is the latest comparable data available.

Source: Research InfoSource 2015.

New Licenses 2014



Note 1: 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 2015.

Key Outcomes

■ In 2015, McMaster ranked second in the province and third in the country for research intensity, averaging \$339,500 per faculty member – almost double the national average – and eighth overall in total research income, bringing in some \$310.6 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 four in the country.

■ Our research impact – using the H-index to measure the quantity and quality of McMaster research publications – indicates we are well above the average both in Ontario and among our U15 peers. Over the last five years, from 2011 to 2015, McMaster researchers generated over \$1.6 billion in external research funding, produced over 27,000 academic publications, were cited over 620,000 times, received at least one citation on 77% of articles published, and filed 125 patent applications.

■ McMaster outpaced its peers across the country in two categories related to corporate research income over the last five years, placing first in both total corporate income (\$588.7 million) and total corporate research income as a percentage of total university income (35 per cent) (source: Re\$earch Infosource 2015).

■ McMaster is home to 69 Canada Research Chairs (CRCs), 82 endowed chairs, six endowed professorships, three 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.

Our research impact – using the H-index to measure the quantity and quality of McMaster research publications – indicates we are well above the average both in Ontario and among our U15 peers.

■ 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. From 2013 to 2014 (most recent data), our research intensity grew by 44.8 per cent to approximately \$339,500 per full-time faculty member.

■ From 2014-2016, McMaster research-based start-ups have secured close to \$20M in external venture capital or seed investment. In 2015-2016, \$6.4M in licensing fees and royalties were generated.

■ McMaster's Walter G. Booth School of Engineering Practice and Technology was the recipient of the 2016 Global Award for Entrepreneurship Education Excellence from the International

Council of Small Business & Entrepreneurship.

■ The number of graduate student applications from BIU-eligible students more than doubled (from about 2,850 to 5,823) between 2007-2008 and 2015-2016, in part because of our international reputation for excellence.

■ In 2015, seven McMaster students were named Vanier scholars, placing the University third among its research-intensive peers in Ontario.

■ McMaster was awarded two prestigious NSERC CREATE awards for graduate student training programs in resilient infrastructure and electrification of vehicles. These awards will enable more than 50 graduate students to augment their state-of-the-art research training with enhanced professional skills

development and industrial mentorship.

■ Through a range of initiatives the MacPherson Institute has been promoting and supporting the integration of pedagogical research into teaching practices. The MacPherson Institute's newest two-year program, the Leadership in Teaching and Learning Fellowship, appoints faculty champions who are leaders and mentors to their peers. In addition, 194 graduate students and postdoctoral fellows from various disciplines across campus are enrolled in one or more of the five available courses for Teaching & Learning Certificates, and around 400 students attended the Teaching and Learning Forum to gain a deeper understanding of good practices in post-secondary teaching.





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 nearly 30,000 students in six Faculties and welcomes approximately 5,000 new students each year. For more information on students, please visit: ira.mcmaster.ca

New Undergraduate Student Applications from Ontario High Schools, Yield Rates – University Total (2006-2015)

Year	Applicant	Admission ²	Confirmation	Registration	Admission Rate (Admission/ Applicant)	Confirmation Rate (Confirmation/ Admission)	Registration Rate (Registration/ Admission)
2006	24,293	19,037	4,504	4,360	0.78	0.24	0.23
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

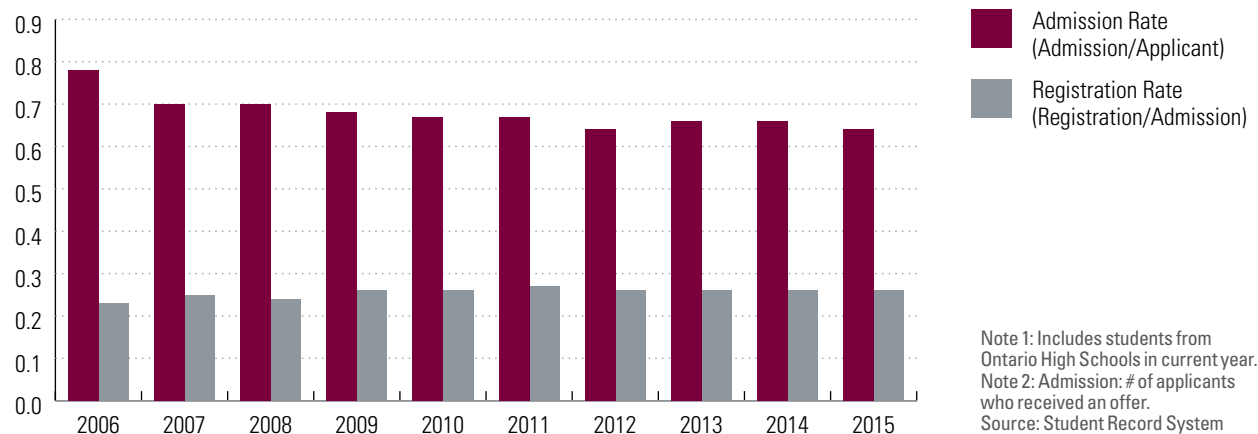
Note 1: Includes students from Ontario High Schools in current year.

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

Source: Student Record System

In 2015, 27,673 undergraduate applications were received from Ontario high schools.

Undergraduate Admission and Registration Rates by Year, 2006-2015



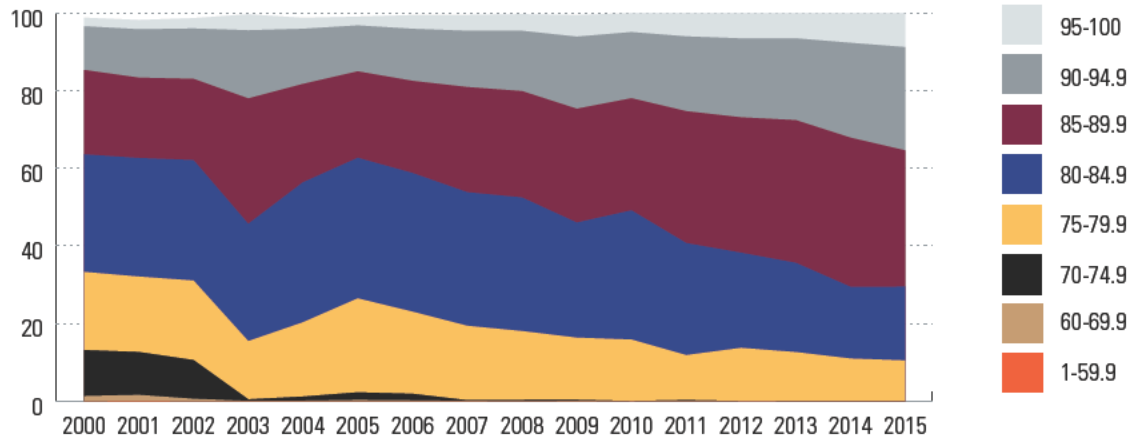
In 2015, 7,106 undergraduate applicants listed McMaster as their first choice.

New Undergraduate Student Applications from Ontario High Schools, Choice Distribution – University Total, 2006-2015

Year		1 st Choice	2 nd Choice	3 rd Choice	4+ Choice	Total
2006	#	5,857	6,119	6,516	10,307	28,799
	%	20.3	21.3	22.6	35.8	100
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

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

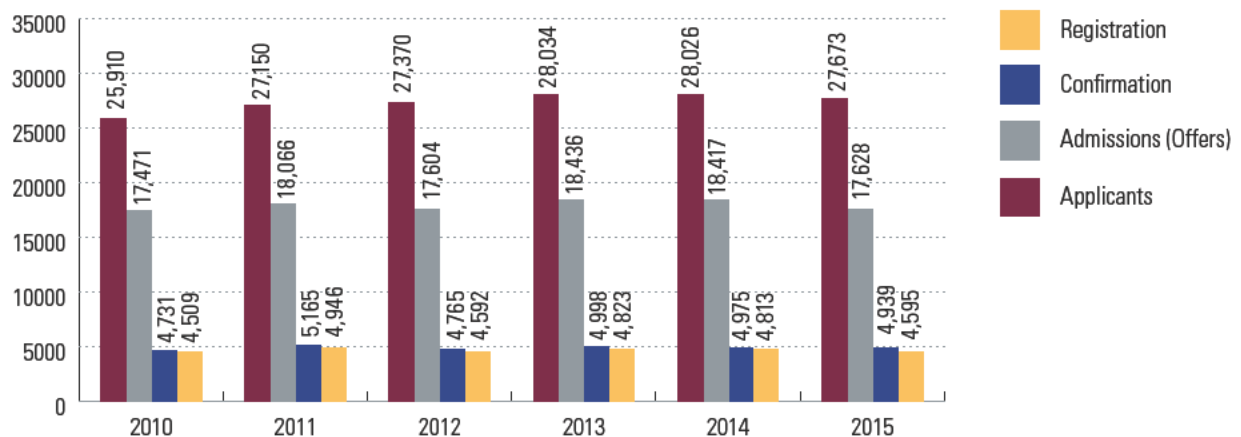
Grades of Entering Full-Time Undergraduate Students from Ontario High Schools



McMaster has 6 Faculties:
DeGroote School of
Business, Engineering,
Health Sciences,
Humanities, Science,
and Social Sciences.

The percentage of
undergraduate students
registering with an admission
average of 90% and above has
risen from 13.5% in 2000 to
35.4% in 2015.

New Undergraduate Student Applications from Ontario High Schools – University Total



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

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

Note 3: Data in each year will not sum to total applications.

Source: Student Records System

Over the last 5 years, total undergraduate headcount enrolment has increased 2.8 per cent.

Total Headcount Enrolment and Demographics, 2011-2012 to 2015-2016

Undergraduate ¹	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	Regular Session ³	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer	Regular Session	Spring/Summer
Full-Time	21,635	1,050	22,020	1,090	22,367	1,205	22,558	1,337	24,473	1,298
Part-Time	3,255	9,984	3,154	10,361	3,134	10,327	3,211	9,767	1,118	9,468
% Part-Time	13.1	90.5	12.5	90.5	12.3	89.6	12.5	88.0	4.4	87.9
Domestic	23,479	10,309	23,698	10,655	23,904	10,631	24,113	10,214	23,917	9,934
International	1,411	725	1,476	796	1,597	901	1,656	890	1,674	832
% International	5.7	6.6	5.9	7.0	6.3	7.8	6.4	8.0	6.5	7.7
Male	11,501	4,952	11,597	5,132	11,851	5,160	11,897	4,955	11,746	4,746
Female	13,389	6,082	13,577	6,319	13,650	6,372	13,872	6,149	13,845	6,020
% Female	53.8	55.1	53.9	55.2	53.5	55.3	53.8	55.4	54.1	55.9
New³	5,464	7	5,067	4	5,350	5	5,349	8	4,964	12
Continuing/Returning	18,561	10,768	19,234	11,129	19,337	11,237	19,676	10,869	20,188	10,667
% Continuing/Returning	77.3	99.9	79.1	100.0	78.3	100.0	78.6	99.9	80.3	99.9
Live on Campus	3,674		3,575		3,461		3,438		3,642	
Off Campus	21,216		21,599		22,040		22,331		22,073	
% Off Campus	85.2		85.8		86.4		86.7		85.8	
Graduate	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	Regular Session		Regular Session		Regular Session		Regular Session		Regular Session	
Full-Time	3,367		3,436		3,408		3,519		3,514	
Part-Time	705		801		856		829		760	
% Part-Time	17.3		18.9		20.1		19.1		17.8	
Domestic	3,427		3,507		3,443		3,431		3,402	
International	645		730		821		917		872	
% International	15.8		17.2		19.3		21.1		20.4	
Male	2,088		2,149		2,158		2,211		2,057	
Female	1,984		2,088		2,106		2,137		2,217	
% Female	48.7		49.3		49.4		49.1		51.9	
Diploma/Certificate	69		99		99		68		78	
Master's	2,571		2,678		2,662		2,759		2,768	
Doctoral	1,432		1,460		1,503		1,521		1,428	
% Doctoral	35.2		34.5		35.2		35.0		33.4	
University Total⁴	28,962		29,411		29,765		30,117		29,865	

Note 1: Undergraduate headcount enrolment includes Spring/Summer, Regular session as reported to MTCU on each count date

Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.

Note 2: Regular session includes fall only.

Note 3: New undergraduate includes students who applied directly from Secondary School only.

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

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

Note 6: Effective Summer 2015, McMaster's definition of a part-time student changed from 12 units to 9 units per four month term.

Source: Student Records Database

Total Undergraduate and Graduate Regular Session Headcount Enrolment, 2015-2016 (n=29,865)



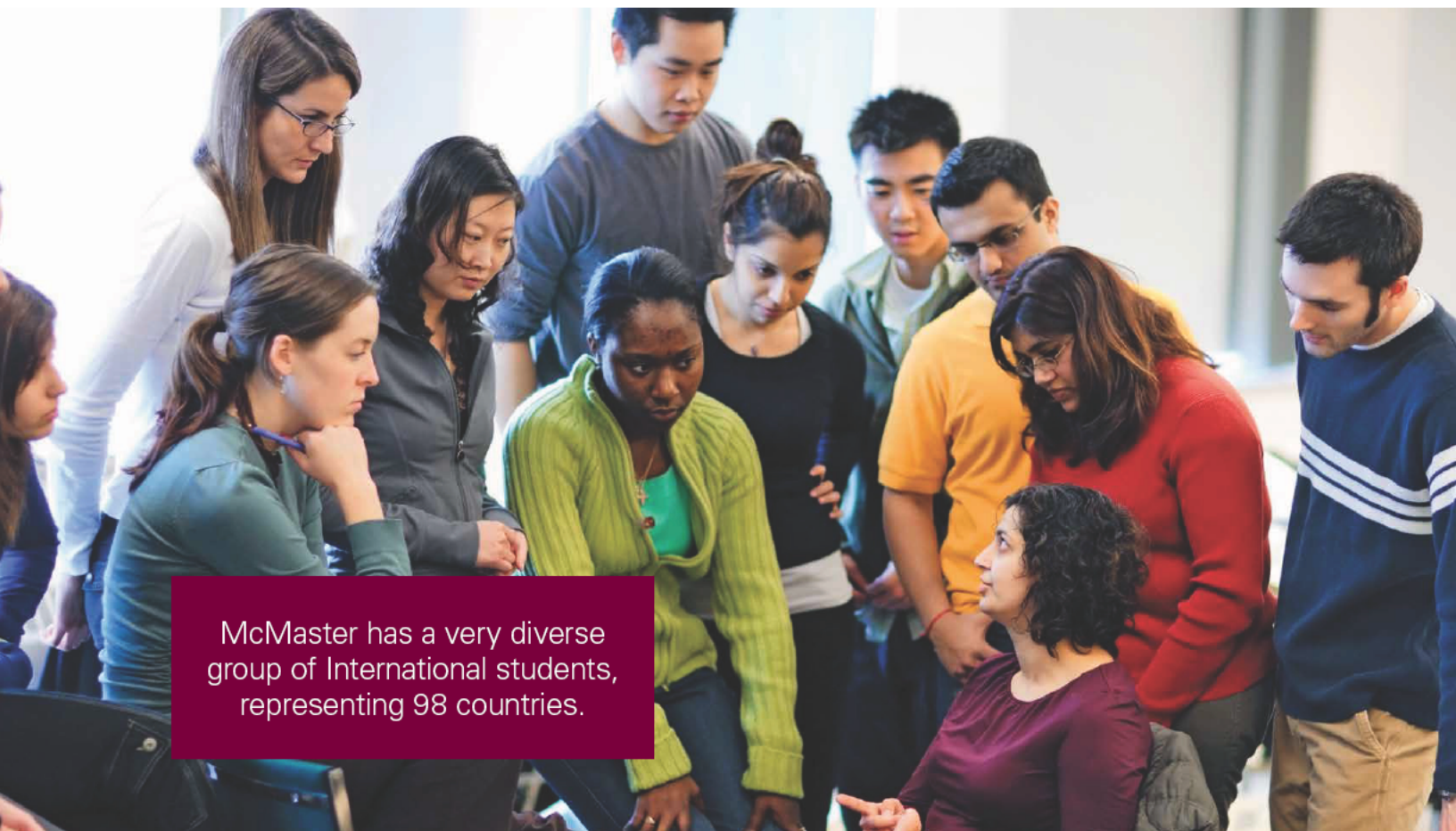
- 82% Undergraduate
- 14% Graduate
- 3% Residents
- 1% Divinity College

54%
Female



46%
Male

Fall 2015 full-time headcount consisted of 24,473 undergraduate and 3,514 graduate students, totaling 27,987



McMaster has a very diverse group of International students, representing 98 countries.

Note 1: Undergraduate headcount enrolment includes Spring/Summer, Regular session as reported to MTCU on each count date
Undergraduate headcount enrolment includes Divinity, Collaborative Nursing, Residents, Midwifery and Medicine.

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Note 3: New undergraduate includes students who applied directly from Secondary School only.

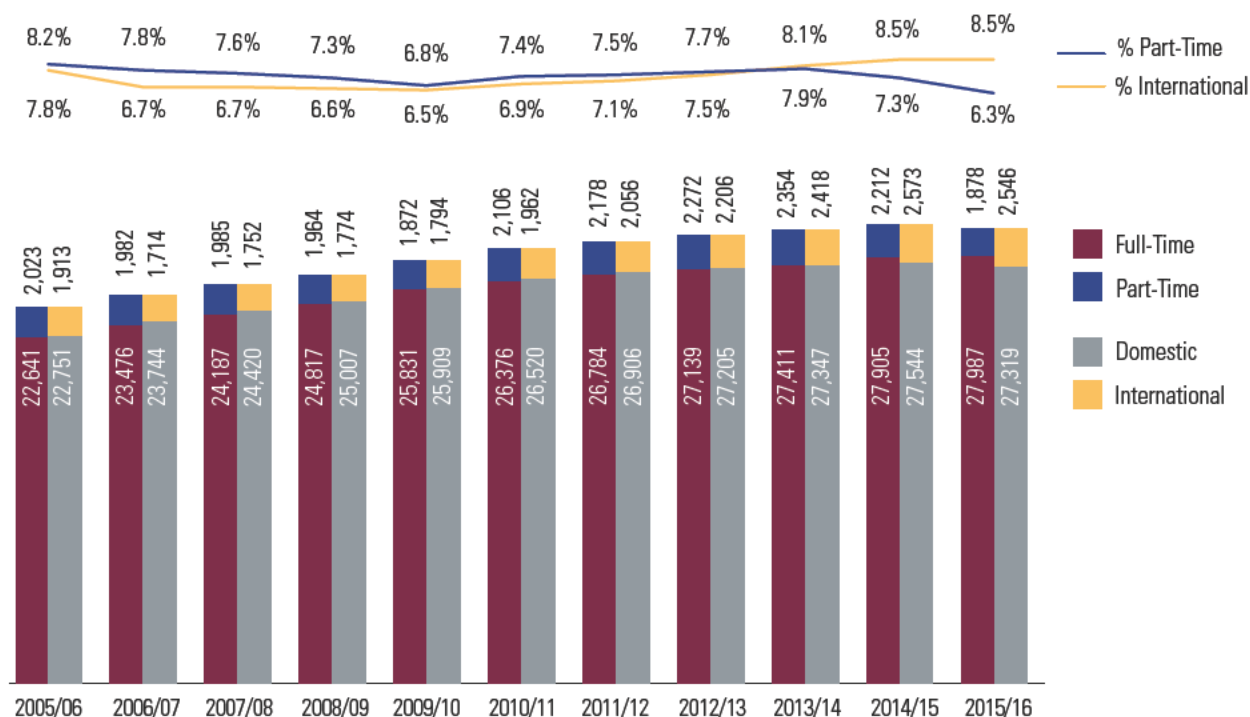
Note 4: University Total includes undergraduate and graduate regular session full-time and part-time headcount enrolment.

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

Note 6: Effective Summer 2015, McMaster's definition of a part-time student changed from 12 units to 9 units per four month term.

Source: Student Records Database

Total Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2015
(historical data restated using new Full-Time/Part-Time definition)³



Part-time enrolment was made up of 1,118 undergraduate and 760 graduate students (Fall 2015).³

In Fall 2015, 8.5% of all (total undergraduate and graduate) McMaster students were international.

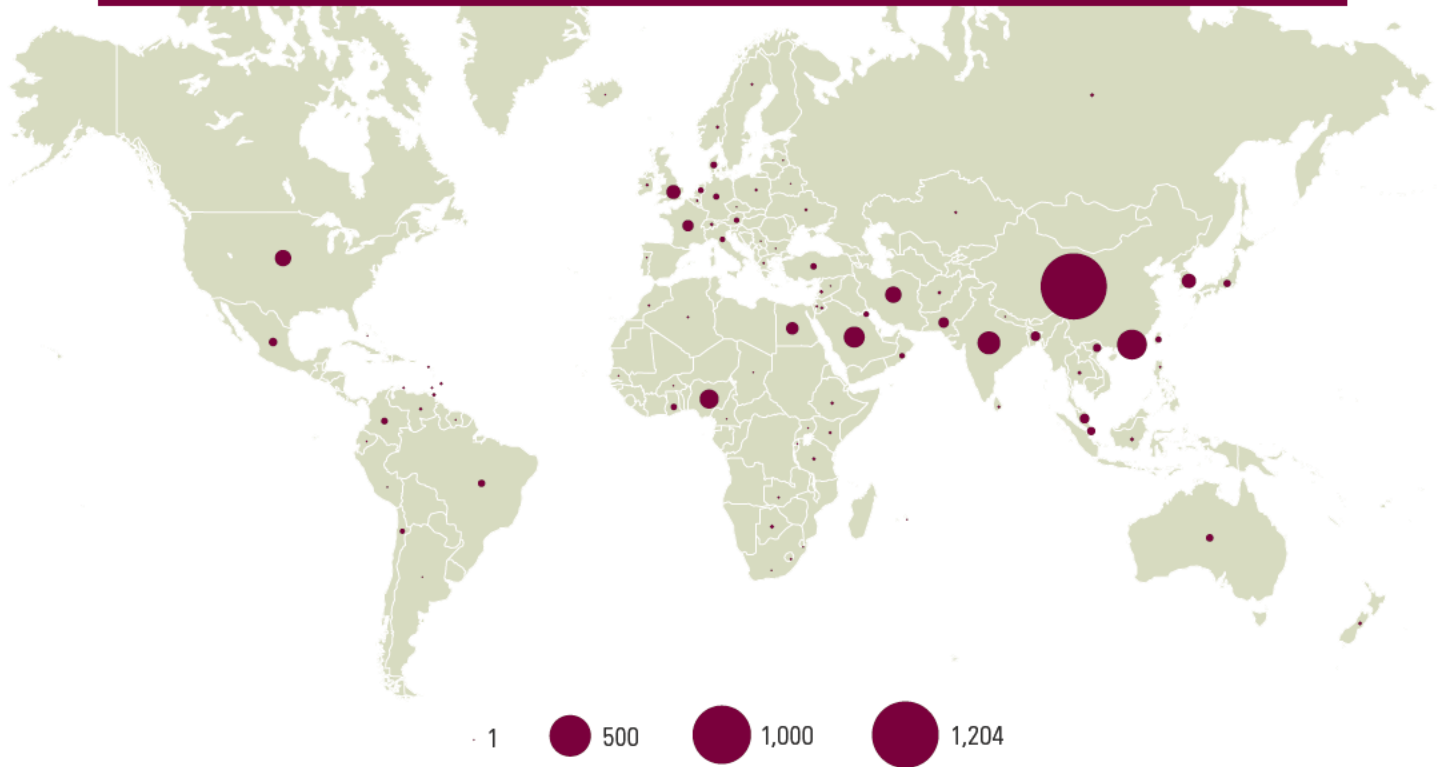
Note 1: Headcount enrolment is as of November 1st of each year and as reported to MTCU.

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

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

Source: Student Records Database

International Students Country of Origin



The majority of international students are from China (56%), India (5.5%), Saudi Arabia (4.6%), Nigeria (3.8%) and Iran (2.8%).

1,119 credit transfer students enrolled at McMaster in 2015-2016.

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

Undergraduate Enrolment and Demographics, 2015-2016

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	761.7	753	10	763	763		305	458	634	10	119
	2	620.6	593		593	593		260	333	525	6	62
	3	664.8	683	5	688	688		307	381	560	6	122
	4	441.8	470	41	511	511		211	300	419	7	85
	Other ⁵	5.1	4	7	11		11	4	7	11		
	Total	2,494.0	2,503	63	2,566	2,555	11	1,087	1,479	2,149	29	388
Engineering³												
Engineering (Excluding Computer Science, Technology)	1	890.7	874	10	884	884		187	697	744	20	120
	2	924.3	948	10	958	958		185	773	832	22	104
	3	844.6	892	3	895	895		189	706	733	23	139
	4	703.3	789	48	837	837		147	690	744	15	78
	5	154.4	172	7	179	179		40	139	170	4	5
	Other	3.3	3	5	8		8	2	6	4	2	2
	Total	3,520.6	3,678	83	3,761	3,753	8	750	3,011	3,227	86	448
Computer Science	1	73.2	76	2	78	78		14	64	67	2	9
	2	59.3	60		60	60		11	49	55	1	4
	3	65.9	70	1	71	71		14	57	61	2	8
	4	39.1	40	6	46	46		2	44	42	1	3
	Total	237.4	246	9	255	255		41	214	225	6	24
Engineering Technology	1	206.0	209	4	213	213		38	175	188	1	24
	2	170.4	179	2	181	181		20	161	163		18
	3	191.8	233	79	312	312		38	274	272	31	9
	4	279.9	347	121	468	468		63	405	436	10	22
	Total	848.0	968	206	1,174	1,174		159	1,015	1,059	42	73
Engineering Total		4,606.0	4,892	298	5,190	5,182	8	950	4,240	4,511	134	545

The DeGroote School of Business has the highest percentage of international students (15.1%).

Female undergraduate students represented 54.1% of total undergraduate enrolment in Fall 2015.

Undergraduate Enrolment and Demographics, 2015-2016 (continued)

Undergraduate	Level	FFTE¹	Headcount²			Level		Gender		Geographic Origin		
		Enrolment	Full-Time	Part-Time	Total	Degree Seeking	Non-Degree Seeking	Female	Male	Ontario	Outside Ontario	International
Health Sciences⁴												
Bachelor of Health Sciences	1	243.3	219		219	219		134	85	199	19	1
	2	252.7	237		237	237		142	95	212	25	
	3	269.7	267	1	268	268		156	112	249	18	1
	4	181.9	181	2	183	183		112	71	172	11	
	Other	7.7	6	9	15		15	10	5	15		
	Total	955.2	910	12	922	907	15	554	368	847	73	2
School of Medicine	1	204.5	205		205	205		106	99	194	10	1
	2	204.5	204		204	204		119	85	166	38	
	3	208.5	212		212	212		111	101	194	18	
	Total	617.5	621	0	621	621	0	336	285	554	66	1
Midwifery	1	21.3	28		28	28		28		26	2	
	2	26.8	30	1	31	31		31		27	4	
	3	26.5	26		26	26		26		24	2	
	4	29.1	28		28	28		28		22	6	
	Total	103.7	112	1	113	113	0	113	0	99	14	0
Nursing	1	137.4	136	1	137	137		122	15	134	2	1
	2	156.8	148		148	148		137	11	138	4	6
	3	212.4	214		214	214		189	25	208	3	3
	4	175.3	196	6	202	202		182	20	192	3	7
	Total	681.9	694	7	701	701	0	630	71	672	12	17
Collaborative Nursing	1	256.1	268	4	272	272		232	40	272		
	2	376.7	351	7	358	358		319	39	358		
	3	332.6	324	36	360	360		321	39	356	2	2
	4	249.1	325	6	331	331		286	45	328	3	
	Total	1,214.5	1,268	53	1,321	1,321	0	1,158	163	1,314	5	2
Residents	Other	1,019.3	917		917		917	473	444	713	77	127
	Total	1,019.3	917		917		917	473	444	713	77	127
Health Sciences Total		4,592.1	4,522	73	4,595	3,663	932	3,264	1,331	4,199	247	149

Students from Ontario represent 90.9% of total undergraduate enrolment in Fall 2015.

Health Sciences has the highest percentage of domestic students from outside Ontario in Fall 2015 (5.4%).

Undergraduate Enrolment and Demographics, 2015-2016 (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	614.6	637	27	664	664		429	235	624	14	26
	2	594.7	605	35	640	640		437	203	608	14	18
	3	603.1	609	60	669	669		440	229	628	16	25
	4	463.1	502	48	550	550		387	163	525	16	9
	Other ⁵	12.3	9	20	29		29	17	12	27	2	
	Total	2,287.7	2,362	190	2,552	2,523	29	1,710	842	2,412	62	78
Science	1	1,680.6	1,621	6	1,627	1,627		1,026	601	1,523	25	79
	2	1,661.2	1,588	9	1,597	1,597		999	598	1,510	18	69
	3	1,362.9	1,366	15	1,381	1,381		829	552	1,266	23	92
	4	1,234.1	1,290	37	1,327	1,327		804	523	1,280	25	22
	5	22.1	11		11	11		4	7	10		1
	Other	62.0	48	60	108	1	107	60	48	104	1	3
	Total	6,022.9	5,924	127	6,051	5,944	107	3,722	2,329	5,693	92	266
Social Sciences	1	1,036.1	1,060	49	1,109	1,109		763	346	1,022	29	58
	2	1,076.2	1,070	54	1,124	1,124		781	343	1,049	20	55
	3	1,067.4	1,109	107	1,216	1,216		796	420	1,122	19	75
	4	597.0	664	56	720	720		500	220	679	6	35
	Other	28.3	26	27	53		53	33	20	48	3	2
	Total	3,805.1	3,929	293	4,222	4,169	53	2,873	1,349	3,920	77	225
Arts & Science	1	72.4	69		69	69		56	13	66	3	
	2	65.6	62		62	62		46	16	58	4	
	3	63.9	64	1	65	65		45	20	60	5	
	4	58.1	62	1	63	63		47	16	59	4	
	Total	259.9	257	2	259	259	0	194	65	243	16	0
Divinity College	1	50.0	39	17	56	55	1	17	39	42	2	12
	2	39.6	26	28	54	54		18	36	50	1	3
	3	8.4	3	5	8	7	1	2	6	8		
	4	0.1										
	5	0.1										
	Other	20.8	16	22	38	29	9	8	30	24	6	8
	Total	118.9	84	72	156	145	11	45	111	124	9	23
University Total	1	6,247.8	6,194	130	6,324	6,323	1	3,457	2,867	5,735	139	450
	2	6,229.4	6,101	146	6,247	6,247	0	3,505	2,742	5,751	157	339
	3	5,922.4	6,072	313	6,385	6,384	1	3,463	2,922	5,741	168	476
	4	4,451.8	4,894	372	5,266	5,266	0	2,769	2,497	4,898	107	261
	5	176.5	183	7	190	190	0	44	146	180	4	6
	Other	1,158.8	1,029	150	1,179	30	1,149	607	572	946	91	142
Total		24,186.7	24,473	1,118	25,591	24,440	1,151	13,845	11,746	23,251	666	1,674

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2015-2016.

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, 2015 and as reported to MTCU.

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

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

Note 5: Other level includes continuing students.

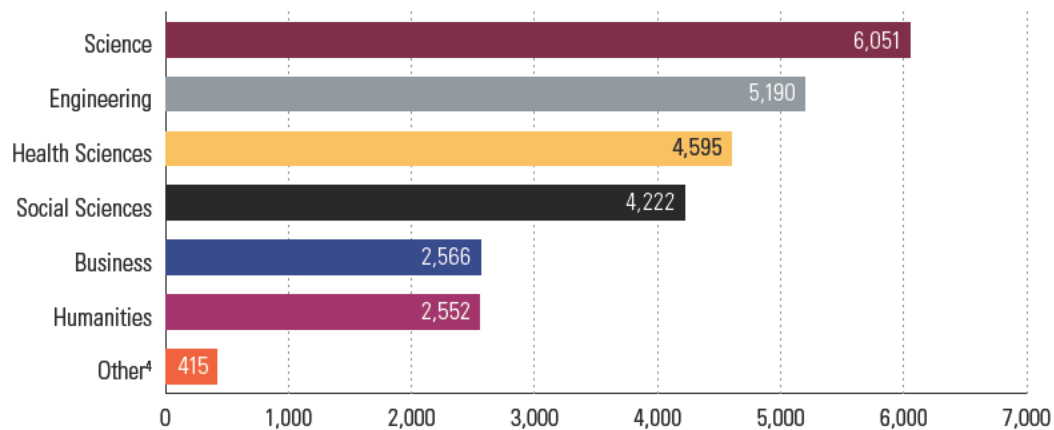
Note 6: Headcount excludes students on co-op work term.

Note 7: Normal unit load is determined by the Required Units specified in the University Calendar.

Note 8: Collaborative Programs are included in the Undergraduate Enrolment Demographics table.

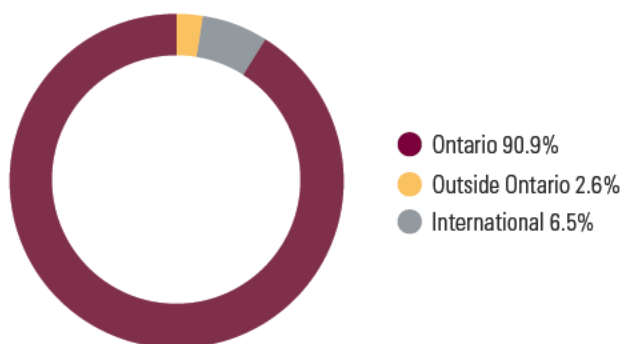
Source: Student Record Database

Total Undergraduate Regular Session Headcount Enrolment Distribution by Faculty, 2015-2016 (n=25,591)



24% of the total undergraduate enrolment headcount is in the Faculty of Science (highest) followed by 20% in Engineering and 18% in Health Sciences.

Geographic Distribution of Total Undergraduate Regular Session Headcount Enrolment, 2015-2016 (n=25,591)



In Fall 2015, international students made up 6.5% of undergraduate student headcount enrolment.

Note 1: Undergraduate headcount enrolment is as of November 1, 2015 and as reported to MTCU.

Note 2: Engineering includes Engineering, Computer Science, Engineering Technology and Engineering-Other (Continuing, Irregular, Exchange and Credit outside McMaster)

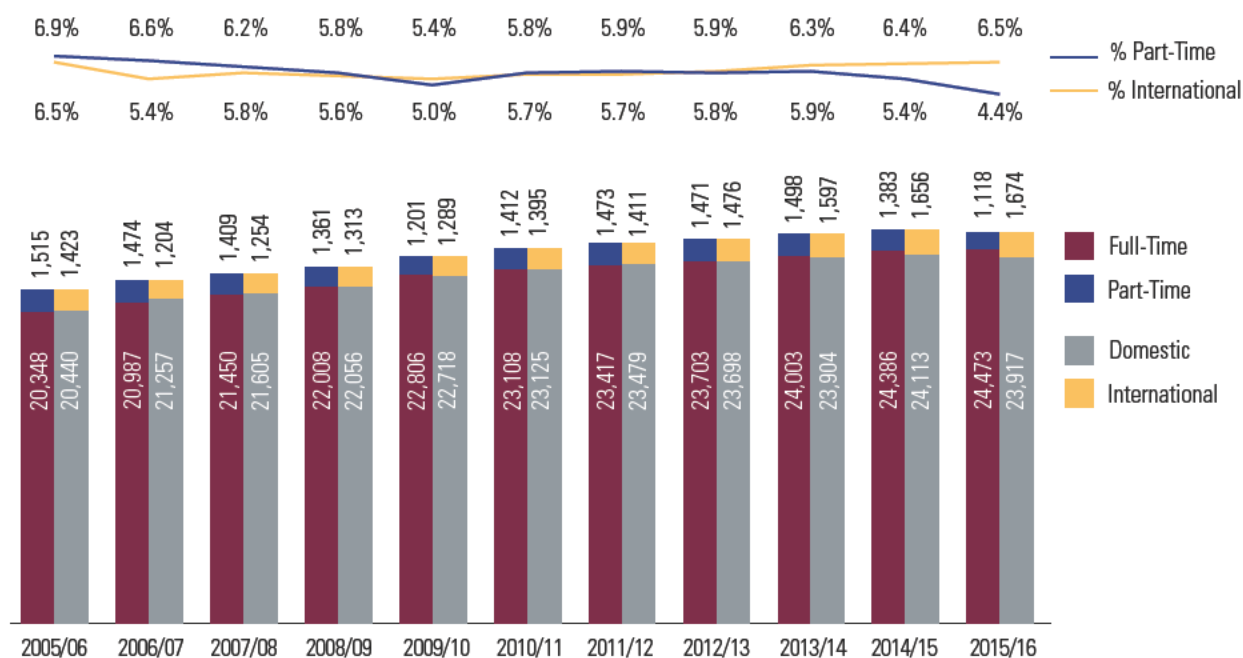
Note 3: Health Sciences includes Bachelor of Health Sciences, School of Medicine, Midwifery, Nursing, Collaborative Nursing, Residents and Occasional/Continuing/Other.

Note 4: Other includes Arts & Science and Divinity College.

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

Source: Student Record Database

**Undergraduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2015
(historical data restated using new Full-Time/Part-Time definition)³**



The percentage of undergraduate students who are part-time³ has decreased from 6.9 (using new full-time/part-time definition) in 2005-2006 to 4.4 in 2015-2016.



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.

Undergraduate Class Size by Year Level, Fall 2015

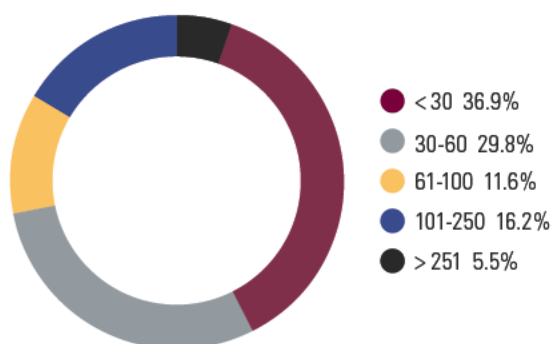
Class Size	1 st Year		2 nd Year		3 rd Year		4 th Year	
	#	%	#	%	#	%	#	%
< 30	44	18.6	63	17.8	184	39.1	248	62.5
30-60	68	28.7	95	26.9	160	33.4	112	28.0
61-100	20	8.4	59	16.7	67	14.3	24	6.0
101-250	57	24.1	109	30.9	57	12.1	13	3.3
> 251	48	20.3	27	7.6	5	1.1	1	0.3
Total	237	100.0	353	100.0	473	100.0	398	100.0

Note 1: Undergraduate enrolment includes Fall as reported to MTCU on each count date.

Note 2: Excludes online, project, thesis, independent study and zero credit courses.

Source: Student Records Database

Undergraduate Class Size, Fall 2015 (n=1,457)



The MacPherson Institute has led the redesign of eight McMaster courses for online or blended delivery.

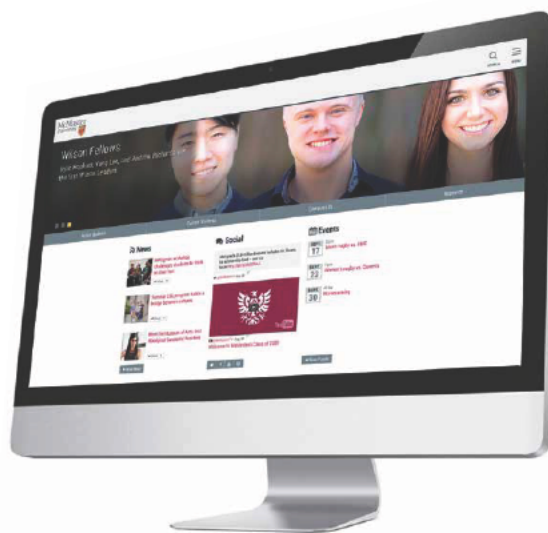
Undergraduate Average Class Size by Faculty, Fall 2015

Faculty	Average Class Size
Business	73.6
Engineering	63.9
Health Sciences	55.1
Humanities	56.6
Science	105.2
Social Sciences	82.4

Note 1: Undergraduate enrolment includes Fall as reported to MTCU on each count date.

Note 2: Excludes online, project, thesis, independent study and zero credit courses.

Source: Student Records Database



The relationship between McMaster and Mohawk, which is arguably the strongest college-university partnership in Ontario, is exceptional amongst research-intensive universities.

Undergraduate Enrolment and Demographics – Collaborative Programs, 2015-2016												
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	125.4	128	3	131	131		113	18	131		
	2	188.8	169	2	171	171		152	19	171		
	3	185.8	179	20	199	199		176	23	196	1	2
	4	125.3	161	4	165	165		139	26	163	2	
	Total	625.2	637	29	666	666	0	580	86	661	3	2
Conestoga Nursing	1	130.7	140	1	141	141		119	22	141		
	2	187.9	182	5	187	187		167	20	187		
	3	146.8	145	16	161	161		145	16	160	1	
	4	123.8	164	2	166	166		147	19	165	1	
	Total	589.2	631	24	655	655	0	578	77	653	2	0
Medical Radiation Science (Mohawk)	1	130.8	131		131	131		112	19	126	4	1
	2	174.5	119	1	120	120		93	27	118	2	
	3	161.1	110	1	111	111		94	17	109	1	1
	4	110.5	112		112	112		87	25	109	2	1
	Total	576.9	472	2	474	474	0	386	88	462	9	3
Bachelor of Technology (Mohawk)	1	206.0	209	4	213	213		38	175	188	1	24
	2	170.4	179	2	181	181		20	161	163		18
	3	78.9	151		151	151		19	132	142	2	7
	4	193.6	250	12	262	262		44	218	237	5	20
	Total	648.9	789	18	807	807	0	121	686	730	8	69
Total Collaborative Programs		2,440.2	2,529	73	2,602	2,602	0	1,665	937	2,506	22	74

Note 1: FFTE (Fiscal Full-time Equivalent) includes Spring/Summer, Fall and Winter as reported to MTCU on each count date in 2015-2016.

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.

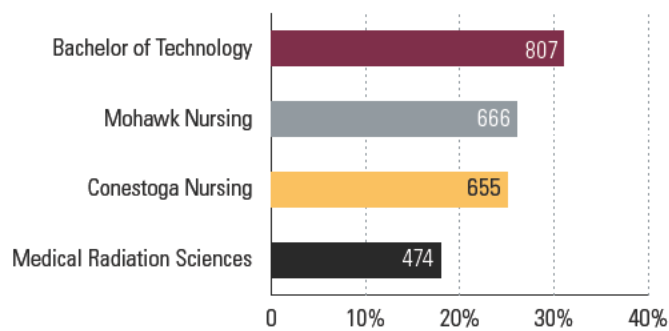
Note 2: Undergraduate headcount enrolment is as of November 1, 2015 and as reported to MTCU.

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

Note 4: Normal unit load is determined by the Required Units specified in the University Calendar.

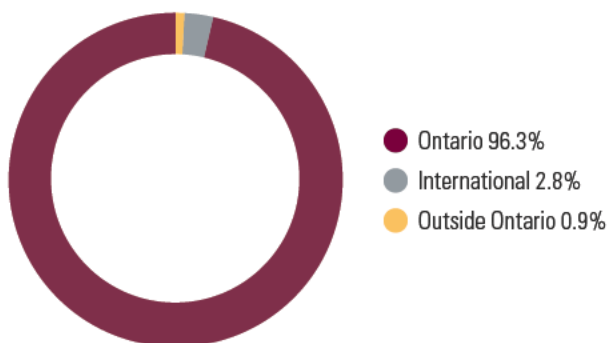
Source: Student Record Database

Undergraduate Regular Session Headcount Enrolment by Collaborative Program, 2015-2016 (n=2,602)



The McMaster collaborative program enrolment has increased 17.3% since 2011. (Mohawk and Conestoga)

Geographic Distribution of Collaborative Program Undergraduate Regular Session Headcount Enrolment, 2015-2016 (n=2,602)



Ontario students made up about 96% of collaborative undergraduate regular session headcount enrolment in 2015-2016.



The Faculty of Engineering has the highest percentage of international graduate students in Fall 2015. (47.8%)

In 2015, seven McMaster graduate students were named Vanier Scholars and two were named Banting Fellows.

Graduate Enrolment and Demographics, 2015-2016

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	542.0	497	150	647	580	67		270	377	436	20	191
	Faculty of Bus. - Exchange	15.0	15		15			15	11	4	1		14
	Total	557.0	512	150	662	580	67	15	281	381	437	20	205
Engineering	Chemical Engineering	90.1	88	7	95	34	58	3	30	65	44	2	49
	Civil Engineering	68.4	66	8	74	33	41		17	57	36	3	35
	Computing & Software	100.0	97	10	107	63	44		26	81	68	6	33
	Electrical & Computer Eng.	143.6	140	12	152	75	77		34	118	64	9	79
	Engineering Physics	58.2	54	14	68	40	26	2	12	56	47	6	15
	Faculty of Eng. - Exchange	0.3		1	1			1	1				1
	Materials Science & Eng.	59.6	59	2	61	26	35		23	38	24		37
	Mechanical Engineering	102.3	99	11	110	59	51		19	91	46	2	62
	School of Eng. Practice	86.8	82	16	98	98			23	75	40	3	55
	Total	709.3	685	81	766	428	332	6	185	581	369	31	366
Health Sciences	Biochemistry and Biomedical Sciences	115.3	115	1	116	39	76	1	61	55	91	9	16
	Child Life Studies	3.0		10	10			10	9	1	10		
	Clinical Behavioural Sciences	7.2		24	24			24	23	1	24		
	Clinical Epidemiology & Biostatistics	151.3	130	71	201	114	71	16	112	89	153	18	30
	Health Science Education	31.4	17	48	65	65			45	20	53	6	6
	Medical Sciences	165.6	165	2	167	87	80		91	76	155	4	8
	Nursing	61.8	54	26	80	60	16	4	76	4	78	2	
	Occupational Therapy	125.0	125		125	125			111	14	117	8	
	Physiotherapy	140.0	140		140	140			92	48	130	10	
	Rehabilitation Science	76.0	52	80	132	98	34		98	34	89	32	11
	Total	876.6	798	262	1,060	728	277	55	718	342	900	89	71

Master of Public Health was introduced in 2015-2016, with an inaugural class of 30 students.

Health Sciences had the largest graduate student headcount enrolment in 2015-2016, with 1,060 students.

The Faculty of Humanities has the highest percentage of domestic graduate students from outside Ontario in Fall 2015 (10.9%).

Social Sciences introduced a PhD in Health Studies in 2015-2016 and had an initial enrolment of three PhD students.

Graduate Enrolment and Demographics, 2015-2016 (continued)

Faculty/ Department		FFTE¹	Headcount²			Level			Gender		Geographic Origin		
		Enrol- ment	Full- Time	Part- Time	Total	Master's	Doctoral	Grad Cert/Dip	Female	Male	Ontario	Outside Ontario	Interna- tional
Humanities	Classics	15.0	15		15	5	10		11	4	10	5	
	Communication Studies and Multimedia	34.1	17	57	74	74			54	20	60	8	6
	English & Cultural Studies	100.0	100		100	41	59		72	28	76	15	9
	French	15.3	15	1	16	7	9		15	1	12	1	3
	Gender Studies and Feminist Research	13.3	13	1	14	14			14		13		1
	History	47.8	46	6	52	18	34		24	28	48	3	1
	Linguistics and Languages	24.3	24	1	25	7	18		16	9	19	4	2
	Philosophy	52.0	52		52	25	27		21	31	46	2	4
	Total	301.8	282	66	348	191	157	0	227	121	284	38	26
Science	Biology	91.0	91		91	53	38		44	47	66	6	19
	Chemistry	82.3	82	1	83	29	54		30	53	58	2	23
	Faculty of Sci. - Exchange	2.0	2		2			2	1	1			2
	Geography & Earth Sciences	79.0	76	10	86	47	39		43	43	66	5	15
	Kinesiology	50.9	50	3	53	24	29		34	19	46	4	3
	Mathematics & Statistics	104.0	104		104	69	35		46	58	64	3	37
	Medical Physics & Applied Radiation Sci.	27.4	25	8	33	15	18		17	16	23	3	7
	Physics & Astronomy	62.0	62		62	30	32		13	49	40	7	15
	Psychology, Neuroscience & Behaviour	83.3	83	1	84	33	51		48	36	71	4	9
	Total	581.9	575	23	598	300	296	2	276	322	434	34	130
Social Sciences	Anthropology	52.3	52	1	53	23	30		43	10	39	10	4
	Economics	58.6	58	2	60	30	30		25	35	53	5	2
	Health, Aging and Society	12.6	12	2	14	10	4		13	1	12	2	
	Labour Studies	16.2	15	4	19	19			11	8	18	1	
	Political Science	62.2	61	4	65	33	32		39	26	57	4	4
	Religious Studies	42.6	42	2	44	12	32		10	34	31	6	7
	Social Work	33.3	30	11	41	24	17		31	10	36	3	2
	Sociology	46.3	46	1	47	16	31		33	14	41	3	3
	Total	324.1	316	27	343	167	176	0	205	138	287	34	22



Graduate headcount enrolment
comprised 14.3% of total
enrolment in 2015-2016.

Graduate Enrolment and Demographics, 2015-2016 (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	39.0	39		39	19	20		25	14	32	2	5
	Global Health	74.0	74		74	74			63	11	64	9	1
	Globalization	11.3	11	1	12	12			9	3	10	1	1
	Health Management	36.9		123	123	123			96	27	94	28	1
	Health Policy	28.0	28		28		28		16	12	21		7
	Neuroscience	52.3	52	1	53	27	26		38	15	51	2	
	School of Biomedical Engineering	49.6	49	2	51	21	30		24	27	36	2	13
	School of Computational Engineering & Science	8.0	8		8	4	4		1	7	2		6
	School of Computational Science & Engineering	15.0	15		15		15		3	12	4		11
	eHealth	77.2	70	24	94	94			50	44	81	6	7
	Total	391.3	346	151	497	374	123	0	325	172	395	50	52
University Total	Business	557.0	512	150	662	580	67	15	281	381	437	20	205
	Engineering	709.3	685	81	766	428	332	6	185	581	369	31	366
	Health Sciences	876.6	798	262	1,060	728	277	55	718	342	900	89	71
	Humanities	301.8	282	66	348	191	157		227	121	284	38	26
	Science	581.9	575	23	598	300	296	2	276	322	434	34	130
	Social Sciences	324.1	316	27	343	167	176		205	138	287	34	22
	Interdisciplinary	391.3	346	151	497	374	123		325	172	395	50	52
Grand Total		3,742.0	3,514	760	4,274	2,768	1,428	78	2,217	2,057	3,106	296	872

Note 1: FTE enrolment is as of November 1, 2015 and as reported to MTCU.

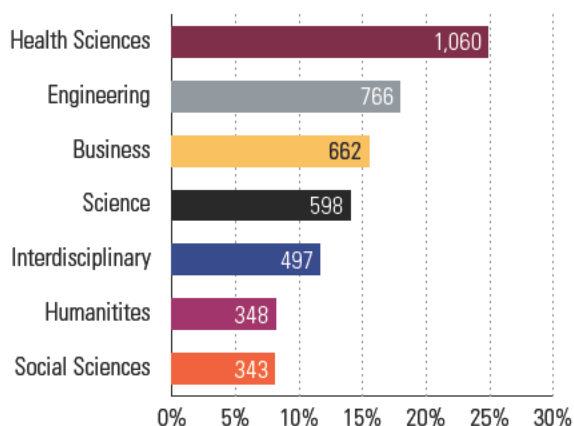
FTE* (Full-time Equivalent) = full-time graduate headcount + 0.3*part-time headcount.

Note 2: Graduate headcount enrolment is as of November 1, 2015 and as reported to MTCU.

Source: Student Record Database

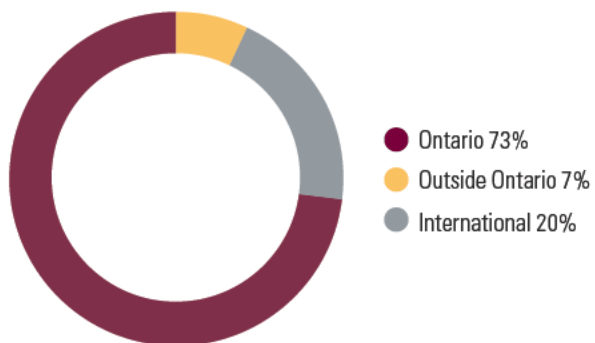


Total Graduate Regular Session Headcount Enrolment Distribution by Faculty, 2015-2016 (n=4,274)



The Faculty of Health Sciences had the highest percentage of total graduate enrolment (24.8%).

Geographic Distribution of the Total Graduate Regular Session Headcount Enrolment, 2015-2016 (n=4,274)

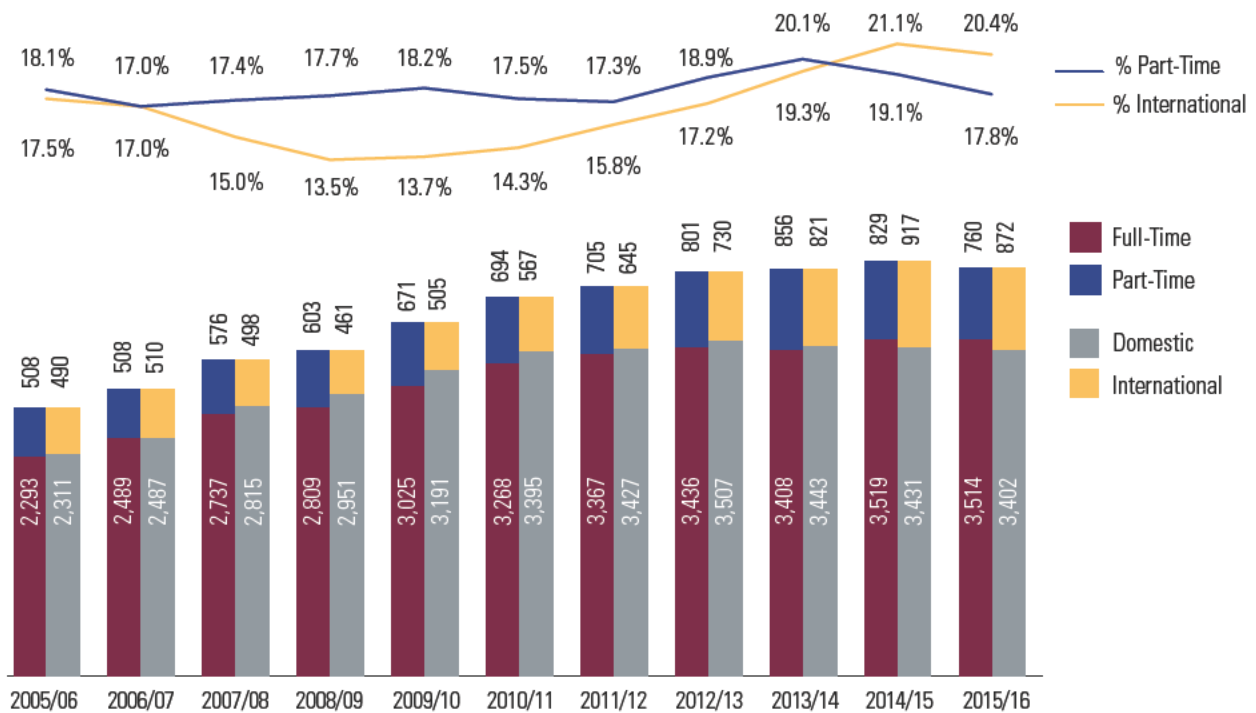


In Fall 2015, international graduate students represented 20% of the graduate student body.



Note 1: Graduate headcount enrolment is as of November 1, 2015 and as reported to MTCU.
Source: Student Records Database

Graduate Headcount Enrolment with Percentage of Part-Time Students and International Students, 2005-2015



20.4% of Graduate students were international in 2015-2016.

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.
 Source: Student Records Database.





Football had the highest representation of student athletes in the Canadian Interuniversity Sports category, with 98 athletes. Men's Rugby had the most student athletes (65 athletes) in the Ontario University Athletics category.

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

263 McMaster Marauder student athletes achieved a GPA of over 9.5 in the 2014-2015 academic year.

*Most recent data available.

Student Athletes by Sport, 2011-2015

Sport		2011			2012			2013			2014			2015		
		Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female	Female	All	% Female
CIS	Basketball	15	32	46.9	15	32	46.9	15	31	48.4	14	29	48.3	16	37	43.2
	Cross-Country	23	40	57.5	13	33	39.4	17	42	40.5	18	42	42.9	15	34	44.1
	Football		91			99			98			103			90	
	Rugby – Female	35	35	100.0	32	32	100.0	33	33	100.0	41	41	100.0	33	33	100.0
	Swimming	21	42	50.0	20	42	47.6	28	55	50.9	23	48	47.9	22	51	43.1
	Soccer	26	54	48.1	23	51	45.1	26	52	50.0	27	60	45.0	34	66	51.5
	Volleyball	15	31	48.4	16	34	47.1	17	32	53.1	16	34	47.1	17	35	48.6
	Wrestling	7	22	31.8	10	32	31.3	11	26	42.3	12	36	33.3	7	28	25.0
	Total	133	347	38.3	133	355	37.5	147	369	39.8	151	393	38.4	144	374	38.5
OUA	Badminton	10	20	50.0	11	24	45.8	11	23	47.8	10	21	47.6	6	14	42.9
	Baseball		24			24			21			24			30	
	Golf	3	11	27.3	6	15	40.0	5	13	38.5	4	18	22.2	1	12	8.3
	Fencing	21	45	46.7	24	45	53.3	42	83	50.6	23	54	42.6	17	51	33.3
	Lacrosse – Female	23	23	100.0	24	24	100.0	25	25	100.0	21	21	100.0	20	20	100.0
	Rowing	15	29	51.7	56	100	56.0	50	91	54.9	46	86	53.5	37	73	50.7
	Rugby – Male		53			55			65			63			56	
	Squash	9	19	47.4	9	23	39.1	9	21	42.9	9	16	56.3	10	22	45.5
	Tennis	12	23	52.2	15	25	60.0	21	31	67.7	19	28	67.9	14	25	56.0
	Water Polo	10	22	45.5	12	23	52.2	13	26	50.0	16	34	47.1	15	33	45.5
	Total	103	269	38.3	157	358	43.9	176	399	44.1	148	365	40.5	120	336	35.7
Clubs	Cheerleading	35	40	87.5	38	41	92.7	35	41	85.4	37	38	97.4	31	32	96.9
	Cricket		28													
	Cycling	8	21	38.1												
	Curling				9	9	100.0	8	8	100.0	6	11	54.5	8	13	61.5
	Dance										51	51	100.0			
	Fastpitch	19	19	100.0	14	14	100.0	16	16	100.0	13	13	100.0	13	13	100.0
	Field Hockey	17	17	100.0	17	17	100.0	26	26	100.0	23	23	100.0	23	23	100.0
	Figure Skating	16	17	94.1	23	26	88.5	19	20	95.0	26	26	100.0	39	40	97.5
	Football – Female	152	152	100.0	189	189	100.0	137	137	100.0	171	171	100.0	136	136	100.0
	Gymnastics	26	30	86.7	27	31	87.1	21	24	87.5	34	34	100.0	17	21	81.0
	Ice Hockey – Female	14	14	100.0	16	16	100.0	17	17	100.0	16	16	100.0	18	18	100.0
	Lacrosse – Male		29			30			26			27			26	
	Life Guarding	8	11	72.7				6	10	60.0				4	4	100.0
	Ice Hockey – Male		32			35			38			54			33	
	Synchro Swim	15	15	100.0				16	16	100.0	12	12	100.0	15	15	100.0
	Ultimate Frisbee	19	52	36.5	16	40	40.0	20	40	50.0	19	60	31.7	17	59	28.8
	Total	329	477	69.0	349	448	77.9	321	419	76.6	408	536	76.1	321	433	74.1
Grand Total		565	1,093	51.7	639	1,161	55.0	644	1,187	54.3	707	1,294	54.6	585	1,143	51.2

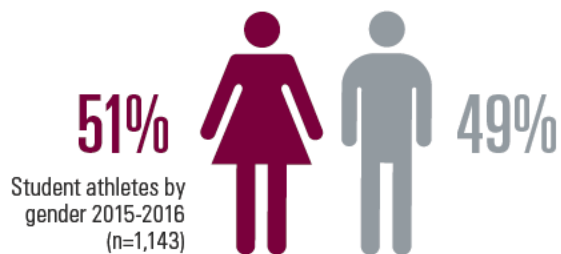
*Please note that athletics club data may not be complete

Note 1: CIS = Canadian Interuniversity Sport, OUA = Ontario University Athletics

Note 2: Excludes junior varsity roster team.

Note: All OUA sports are also CIS sports.

Source: Athletics and Recreation database

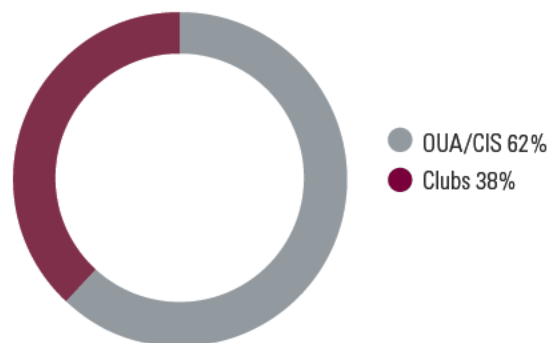


In 2015-2016, McMaster University had over 1,100 student athletes, more than half of whom were women.

Men's wrestling won CIS and OUA Silver medals, while Badminton, Men's Soccer and Women's Water Polo won OUA Silver Medals.

OUA Bronze medals were won by Men's & Women's Cross-Country, Figure Skating and Men's Swimming.

Student Athletes by Organization, 2015-2016 (n=1,143)

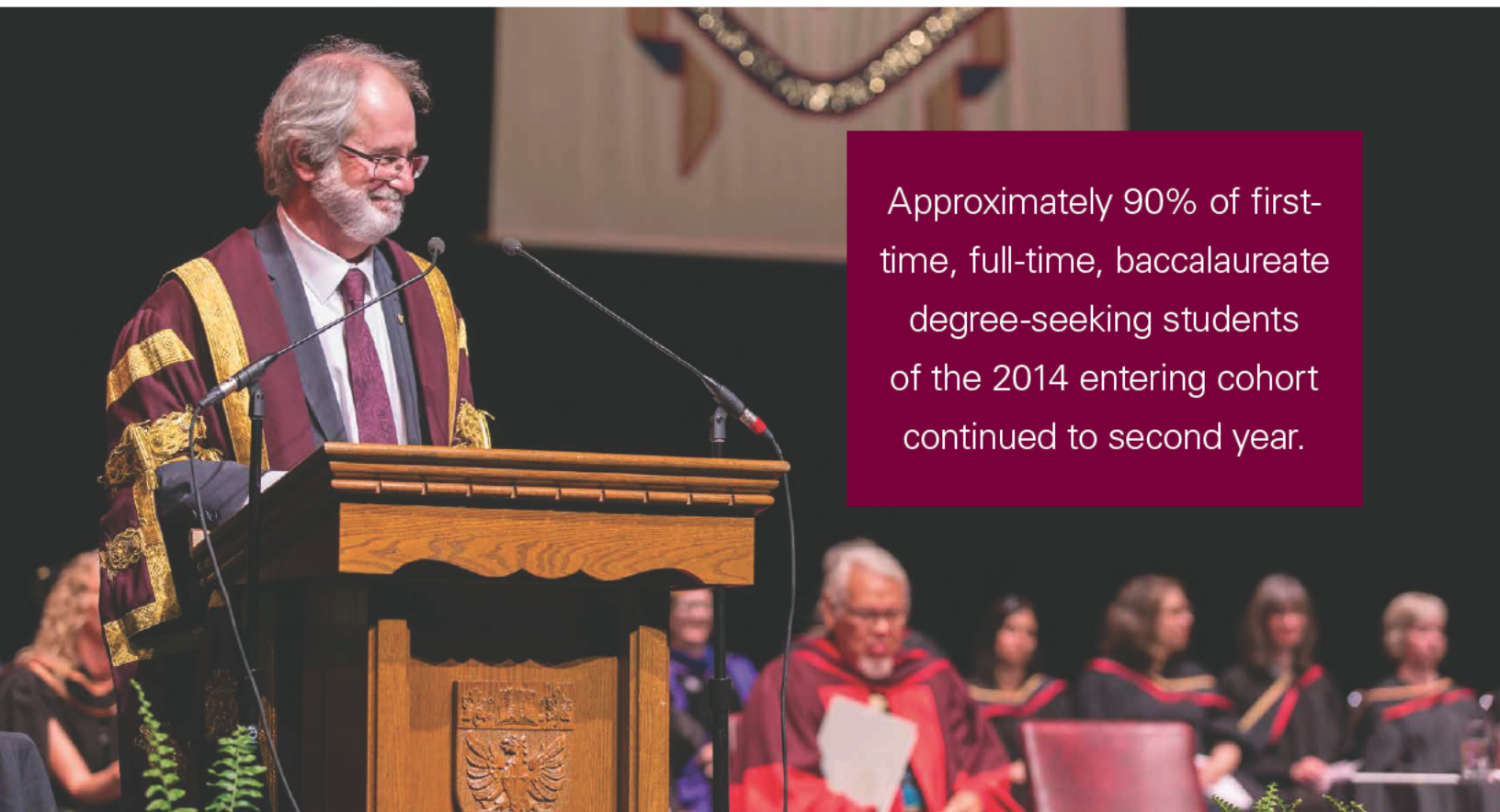


14 McMaster student-athletes achieved CIS All-Canadian status for their respective sports.

McMaster's Women's Rugby team were the 2015-2016 OUA champions and the 2016 CIS champions.

McMaster's Men's Volleyball were the 2015-2016 OUA champions and 2016 CIS silver medallists.

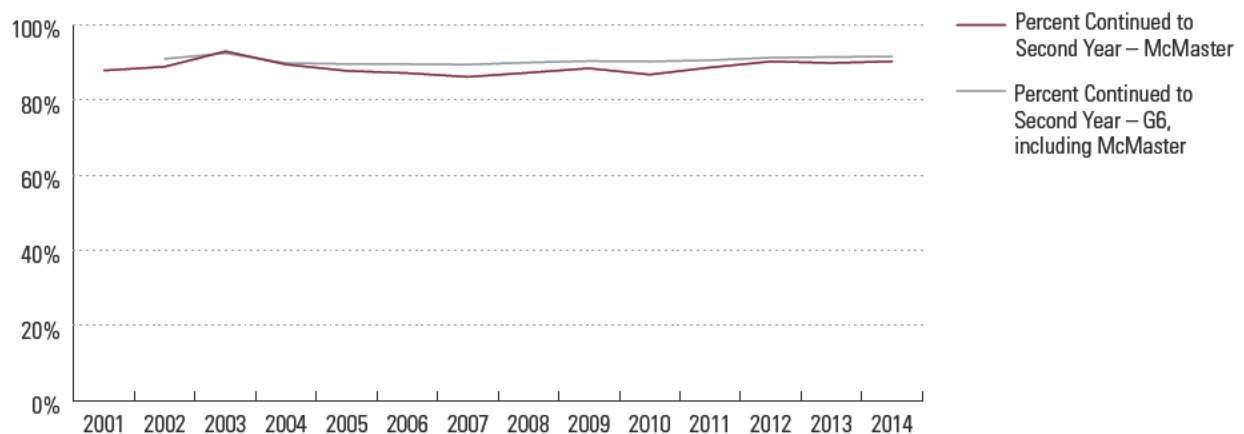




Approximately 90% of first-time, full-time, baccalaureate degree-seeking students of the 2014 entering cohort continued to second year.

Retention and Graduation

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



Note 1: Retention rate is the percentage of first-time, full-time freshmen in a given fall term who returned to the institution in a subsequent fall term.

Note 2: Headcount includes three, four, and five-year degree-seeking students.

Note 3: G6 consists of McMaster and Ontario peers.

Source: Student Records Database, CSRDE

Retention Rates ¹ of First time, Full time, Baccalaureate Degree Seeking Students – 2011 to 2015 Entering Cohort					
Total	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	5,337	4,940	5,193	5,182	4,950
% Continued to 2nd Year	88.7	90.3	89.9	90.3	
% Continued to 3rd Year	84.6	85.9	86.0		
% Continued to 4th Year	77.0	78.1			
% Continued to 5th Year	28.8				
Female	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	2,759	2,638	2,725	2,778	2,674
% Continued to 2nd Year	91.1	91.2	90.3	91.6	
% Continued to 3rd Year	87.6	87.3	87.3		
% Continued to 4th Year	79.5	79.9			
% Continued to 5th Year	19.7				
Male	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	2,578	2,302	2,468	2,404	2,276
% Continued to 2nd Year	86.2	89.3	88.9	88.8	
% Continued to 3rd Year	81.5	84.4	84.6		
% Continued to 4th Year	74.4	75.9			
% Continued to 5th Year	38.5				
Domestic	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	4,984	4,598	4,861	4,815	4,600
% Continued to 2nd Year	89.4	90.6	90.3	91.0	
% Continued to 3rd Year	85.3	86.3	86.4		
% Continued to 4th Year	77.6	78.4			
% Continued to 5th Year	28.9				
International	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	353	342	332	367	350
% Continued to 2nd Year	79.3	86.0	84.0	80.9	
% Continued to 3rd Year	75.1	81.3	80.1		
% Continued to 4th Year	68.8	73.7			
% Continued to 5th Year	26.6				
Total G6 ³ , Including McMaster	2011	2012	2013	2014	2015
Entering Cohort Headcount ²	35,489	36,438	37,267	37,521	N/A
% Continued to 2nd Year	90.6	91.3	91.5	91.6	
% Continued to 3rd Year	84.6	85.3	86.1		
% Continued to 4th Year	N/A	N/A			
% Continued to 5th Year	30.2				

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

Domestic students had higher retention rates than international students.

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 2015 lists N/A, as the entering cohort headcount is always one year behind.

Source: Student Records Database, CSRDE

Graduation Rates ¹ of First Time, Full Time, Baccalaureate Degree Seeking Students – 2007 Cohort to 2011 Cohort					
Total	2007	2008	2009	2010	2011
Cohort Headcount	4,884	4,736	4,832	4,833	5,337
% Graduated in 4 Years	53.5	51.4	53.6	51.7	51.6
% Graduated in 5 Years	73.0	72.0	73.8	72.0	
% Graduated in 6 Years	77.4	76.9	78.9		
% Graduated in 7 Years	78.8	78.8			
% Graduated in 8 Years	79.3				
Female	2007	2008	2009	2010	2011
Cohort Headcount	2,654	2,453	2,620	2,521	2,759
% Graduated in 4 Years	62.1	62.9	63.9	63.3	64.6
% Graduated in 5 Years	78.0	79.0	79.5	78.1	
% Graduated in 6 Years	80.6	81.5	82.5		
% Graduated in 7 Years	81.6	82.4			
% Graduated in 8 Years	81.9				
Male	2007	2008	2009	2010	2011
Cohort Headcount	2,230	2,283	2,212	2,312	2,578
% Graduated in 4 Years	43.3	39.0	41.4	39.1	37.7
% Graduated in 5 Years	67.0	64.5	67.0	65.4	
% Graduated in 6 Years	73.7	72.1	74.5		
% Graduated in 7 Years	75.5	74.9			
% Graduated in 8 Years	76.1				
Domestic	2007	2008	2009	2010	2011
Cohort Headcount	4,611	4,472	4,588	4,540	4,984
% Graduated in 4 Years	53.7	51.5	54.0	52.0	52.0
% Graduated in 5 Years	73.4	72.3	74.3	72.4	
% Graduated in 6 Years	77.8	77.4	79.4		
% Graduated in 7 Years	79.2	79.3			
% Graduated in 8 Years	79.7				
International	2007	2008	2009	2010	2011
Cohort Headcount	273	264	244	293	353
% Graduated in 4 Years	50.5	48.9	45.1	47.8	45.6
% Graduated in 5 Years	65.9	66.3	64.8	66.2	
% Graduated in 6 Years	71.1	68.5	69.3		
% Graduated in 7 Years	72.2	70.1			
% Graduated in 8 Years	72.5				
Total G6 ² , Including McMaster	2007	2008	2009	2010	2011
Cohort Headcount	32,879	32,802	34,191	34,545	35,488
% Graduated in 4 Years	48.5	48.8	49.2	44.2	50.1
% Graduated in 5 Years	70.9	70.4	71.2	71.5	
% Graduated in 6 Years	75.7	75.8	76.6		
% Graduated in 7 Years	77.7	77.9			
% Graduated in 8 Years	77.7				

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

Percentage of Undergraduate Students Graduating within Five Years



Note 1: Graduation rate is the cumulative percentage of first-time, full-time freshmen in a given fall term who graduated within 5 years.

Note 2: 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.

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



Time to Completion, Master's and Doctoral Cohorts Study Progression of 2009 Master's Cohort after 5 years

Faculty	Total #	Completed			Withdrew			In Progress	
		#	%	Median Yrs	#	%	Median Yrs	#	%
Business	221	198	89.6	2.3	13	5.9	1.3	10	4.5
Engineering	198	175	88.4	2.0	19	9.6	1.7	4	2.0
Health Sciences	130	109	86.8	2.3	14	10.8	1.0	7	5.4
Humanities	108	94	87.0	1.0	13	12.0	1.0	1	0.9
Interdisciplinary	36	31	86.1	2.0	5	13.9	1.3		
Science	118	100	84.7	2.0	17	14.4	1.0	1	0.8
Social Sciences	163	153	93.9	1.0	10	6.1	2.0		
Total	974	860	88.3	2.0	91	9.3	1.0	23	2.4

Progression of 2005 Doctoral Cohort after 9 years

Business	10	8	80.0	5.2	2	20.0	1.0		
Engineering	69	52	75.4	4.7	16	23.2	1.2	1	1.4
Health Sciences	53	40	75.5	4.5	12	22.6	1.8	1	1.9
Humanities	24	20	83.3	5.8	4	16.7	5.8		
Science	77	64	83.1	4.3	11	14.3	1.0	2	2.6
Social Sciences	32	18	56.3	5.2	14	43.8	3.7		
Total	265	202	76.2	4.7	59	22.3	1.7	4	1.5

Progression of 2009 Doctoral Cohort after 5 years

Business	11	5	45.5	5.0	1	9.1	0.3	5	45.5
Engineering	76	33	43.4	4.3	17	22.4	1.7	26	34.2
Health Sciences	61	31	50.8	4.0	10	16.4	2.0	20	32.8
Humanities	31	15	48.4	4.7	7	22.6	4.7	9	29.0
Interdisciplinary	30	17	56.7	4.0	5	16.7	2.3	8	26.7
Science	90	57	63.3	4.0	10	11.1	1.3	23	25.6
Social Sciences	39	11	28.2	4.0	10	25.6	1.0	18	46.2
Total	338	169	50.0	4.0	60	17.8	1.7	109	32.2

Trend of Doctoral Progression (2006-2009 Cohorts after 5 years)

Results/ Cohorts	2006		2007		2008		2009	
	#	%	#	%	#	%	#	%
Graduated	161	52.6	129	48.3	147	51.2	169	50.0
In Progress	98	32.0	90	33.7	89	31.0	109	32.2
Withdrawn	47	15.4	48	18.0	51	17.8	60	17.8
Total	306	100.0	267	100.0	287	100.0	338	100.0

Trend of Doctoral Progression (2002-2005 Cohorts after 9 years)

Results/ Cohorts	2002		2003		2004		2005	
	#	%	#	%	#	%	#	%
Graduated	161	75.2	214	72.5	180	74.1	202	76.2
In Progress	1	0.5	3	1.0	2	0.8	4	1.5
Withdrawn	52	24.3	78	26.4	61	25.1	59	22.3
Total	214	100.0	295	100.0	243	100.0	265	100.0

Source: Graduate Studies and Student Records Database

254 doctoral degrees were awarded in 2015 (excluding Divinity College), an increase of 21 per cent from 2011.

Based on the 2005 doctoral cohort study, students graduating from a PhD program at McMaster took an average of 4.7 years (median) to complete their studies.

Degrees Awarded¹, 2011-2015

Faculty/Degree		2011			2012			2013			2014			2015		
		F	M	All	F	M	All	F	M	All	F	M	All	F	M	All
Business	Bachelor	236	286	522	211	266	477	198	244	442	194	223	417	231	273	504
	First Professional														1	1
	Master's	76	132	208	67	125	192	77	117	194	99	143	242	114	192	306
	Doctoral	4	3	7	1	2	3	1	10	11		8	8	5	7	12
	Grad. Certificate & Diploma										23	31	54	27	31	58
	Total	316	421	737	279	393	672	276	371	647	316	405	721	377	504	881
Engineering	Bachelor	102	564	666	110	560	670	122	653	775	107	665	772	128	748	876
	Master's	44	197	241	48	169	217	63	190	253	64	147	211	67	171	238
	Doctoral	14	33	47	16	41	57	8	33	41	14	33	47	9	46	55
	Grad. Certificate & Diploma		2	2	2	1	3									
	Total	160	796	956	176	771	947	193	876	1,069	185	845	1,030	204	965	1,169
Health Sciences	Bachelor	624	123	747	566	115	681	587	132	719	571	131	702	581	138	719
	First Professional	117	64	181	125	65	190	127	79	206	119	83	202	120	83	203
	Master's	182	54	236	195	63	258	188	62	250	202	57	259	192	71	263
	Doctoral	35	14	49	29	17	46	32	23	55	36	21	57	33	18	51
	Grad. Certificate & Diploma	15	1	16	21	1	22	21	1	22	22	3	25	15	2	17
	Total	973	256	1,229	936	261	1,197	955	297	1,252	950	295	1,245	941	312	1,253
Humanities	Bachelor	435	193	628	387	186	573	368	193	561	391	185	576	356	175	531
	Master's	70	29	99	77	44	121	72	50	122	63	38	101	72	38	110
	Doctoral	9	13	22	12	10	22	11	8	19	10	7	17	13	7	20
	Grad. Certificate & Diploma							2		2				4		4
	Total	514	235	749	476	240	716	453	251	704	464	230	694	445	220	665
Science	Bachelor	705	470	1,175	774	455	1,229	828	546	1,374	769	523	1,292	817	525	1,342
	Master's	54	75	129	57	75	132	60	71	131	58	59	117	54	63	117
	Doctoral	21	43	64	23	38	61	36	37	73	26	36	62	29	43	72
	Total	780	588	1,368	854	568	1,422	924	654	1,578	853	618	1,471	900	631	1,531
Social Sciences	Bachelor	699	384	1,083	688	367	1,055	755	325	1,080	685	342	1,027	723	334	1,057
	Master's	81	40	121	67	62	129	67	47	114	60	51	111	63	54	117
	Doctoral	10	4	14	11	10	21	16	12	28	17	6	23	6	11	17
	Total	790	428	1,218	766	439	1,205	838	384	1,222	762	399	1,161	792	399	1,191
Arts & Science	Bachelor	42	21	63	47	17	64	40	18	58	58	18	76	42	21	63
	Total	42	21	63	47	17	64	40	18	58	58	18	76	42	21	63
Indig- enous Studies	Bachelor	2	2	4	6		6									
	Total	2	2	4	6		6									
Inter- disciplinary	Master's	46	21	67	53	32	85	79	39	118	87	51	138	94	61	155
	Doctoral	3	4	7	8	8	16	7	7	14	11	12	23	16	11	27
	Total	49	25	74	61	40	101	86	46	132	98	63	161	110	72	182
Total		3,626	2,772	6,398	3,601	2,729	6,330	3,765	2,897	6,662	3,686	2,873	6,559	3,811	3,124	6,935
Divinity College	UG. Certificate & Diploma		4	4		1	1	2		2	1		1		1	1
	First Professional													1	4	5
	Master's	12	24	36	6	24	30	7	18	25	15	20	35	4	11	15
	Doctoral		6	6	3	6	9		4	4	1	5	6	2	7	9
	Total	12	34	46	9	31	40	9	22	31	17	25	42	7	23	30
Grand Total		3,638	2,806	6,444	3,610	2,760	6,370	3,774	2,919	6,693	3,703	2,898	6,601	3,818	3,147	6,965

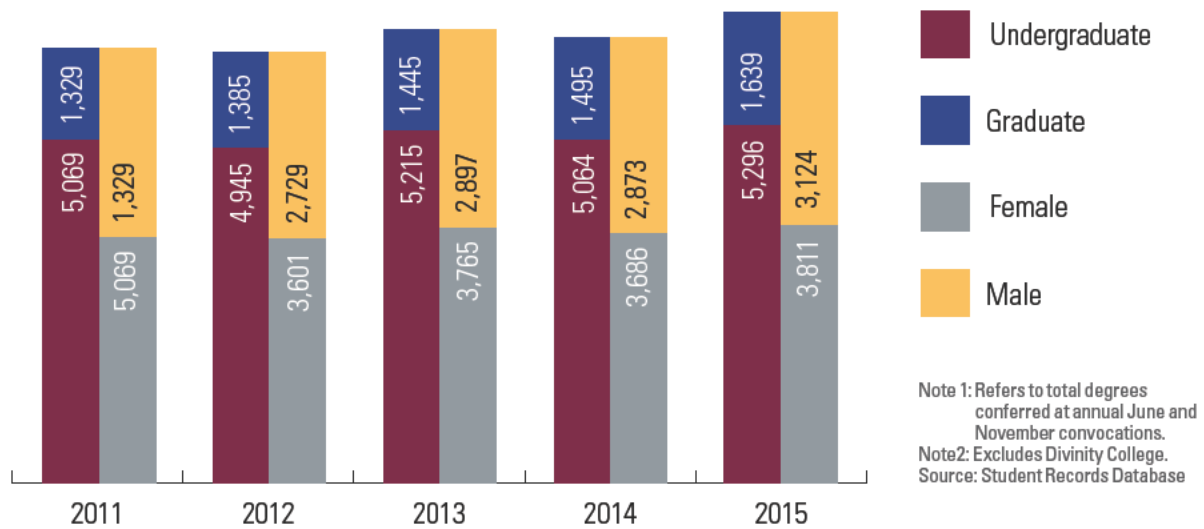
Note 1: Refers to total degrees conferred at annual June and November convocations.

Note 2: Indigenous Studies was moved to Social Science effective May 2013.

Note 3: F=Female, M=Male

Source: Student Records Database

Degrees Awarded by Level and Gender, 2011-2015

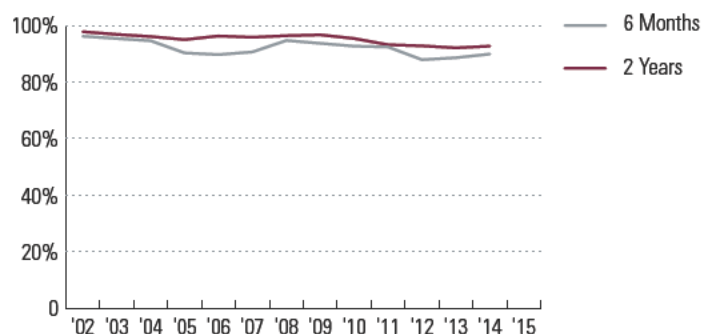


Between 2004 and 2015, the number of degrees awarded (excluding Divinity) has increased 61.1%. Total headcount enrolment (excluding Divinity) has increased 28.8% during the same time period.



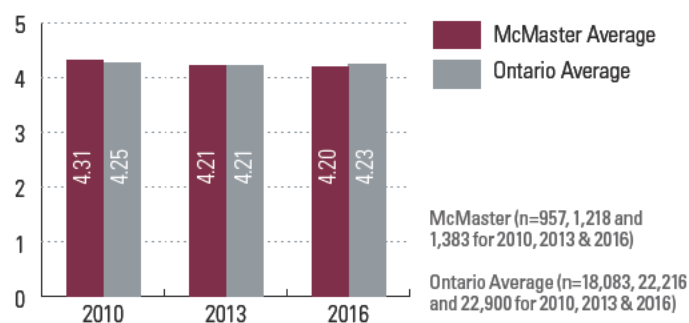
From 2011 to 2015, the number of undergraduate and graduate degrees awarded (excluding Divinity College) increased 4.5 and 23.3 percent, respectively.

Employment Rates – 6 Months and 2 Years after Graduation



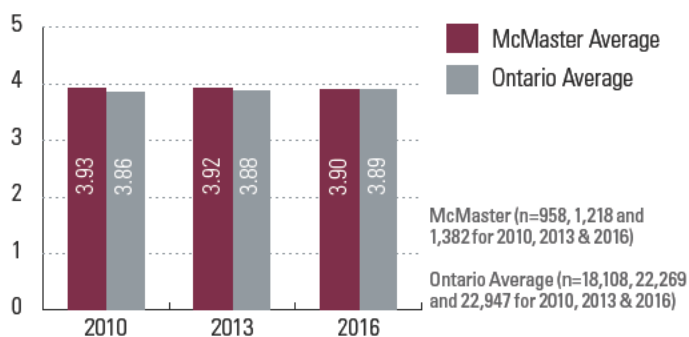
Note 1: 2014 is most recent data available.
Source: Ontario Graduate Survey

CGPSS – Would you select same field of study?



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).

CGPSS - Would you choose the same university?



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



Approximately 55% of degrees awarded in 2015 went to females.

This has remained relatively constant since 2011, ranging from 55% to 57%.

After 5 years, 63.3% of Science PhD students from the 2009 cohort had completed their studies, the highest rate among the Faculties.



Financial Aid

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

4,361 McMaster Honour Awards (entrance awards)
were distributed in 2015-2016.

Honour Awards by Faculty, 2011-2012 to 2015-2016¹

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

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

Note 2: Includes Engineering "other" levels.

Note 3: Does not include entrance academic grants, exchange grants or non-monetary awards.

Note 4: The 2015-2016 OSAP data reflects program starts between August 1, 2015 and July 31, 2016 and thus encompasses the 2015-2016 Fall/Winter and 2016 Spring/Summer sessions.

Note 5: The 2015-2016 Honour Awards, In-course Awards and Bursary data reflects disbursements made during the fiscal year only (eg. the records report have disbursement dates between May 1, 2015 and April 30, 2016).

Note 6: The 2015-2016 records reflect fall/winter 2015-2016 and summer 2016.

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

Source: Office of Student Financial Aid & Scholarships.

In Course Awards by Faculty, Fiscal 2015-2016³

Faculty/ Program	Level 1		Level 2		Level 3		Level 4		Level 5		By Faculty ²	
	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #	Paid (\$)	Total #
Arts & Science			19,388	12	20,200	19	16,775	20	50	1	56,413	52
Business	250	1	54,600	38	61,225	56	78,775	62	1,800	2	196,650	159
Engineering	4,950	6	198,950	91	164,150	81	181,850	117	38,420	39	588,320	334
Health Sciences	1,775	4	59,075	64	123,350	111	49,400	57	250	1	233,850	237
Humanities	800	1	61,150	30	78,800	73	92,475	97	4,105	10	237,330	211
Nursing			19,350	12	22,500	16	10,620	16			52,470	44
Science	1,750	2	188,570	154	168,042	142	256,448	247	24,825	25	639,635	570
Social Sciences	2,100	4	17,850	20	35,575	37	63,595	76	4,300	8	123,420	145
Total	11,625	18	618,933	421	673,842	535	749,938	692	73,750	86	2,128,088	1,752

Ontario Student Assistance Program Information (OSAP), 2015-2016⁴

	Loan (\$)	Grant (\$)	Total (\$)
Undergraduate	90,413,623	31,904,254	122,317,877
Graduate	9,854,542	215,214	10,069,756
Total	100,268,165	32,119,468	132,387,633

Bursary Program Information, 2015-2016⁶

	MAPS (\$)	Donor (\$)	Operating (\$)	Total (\$)
Undergraduate	18,985	2,350,374	687,455	3,056,814
Graduate		1,091,387	5,903,970	6,995,357
Total	18,985	3,441,761	6,591,425	10,052,171

In 2015-2016,
McMaster's
students received
about \$10 million
in bursaries.

Work Program Information, 2015-2016⁶

Work Program ⁷	Fall/Winter		Summer		Total	
	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)	Student Earnings (\$)	Employer Subsidy (\$)
Total	645,702	255,551	2,758,986	899,228	3,404,688	1,154,779

In 2015-2016,
McMaster's
students earned
about \$3.4 million
through work
programs.

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

Note 2: Includes Engineering "other" levels.

Note 3: Does not include entrance academic grants, exchange grants or non-monetary awards.

Note 4: The 2015-2016 OSAP data reflects program starts between August 1, 2015 and July 31, 2016 and thus encompasses the 2015-2016 Fall/Winter and 2016 Spring/Summer sessions.

Note 5: The 2015-2016 Honour Awards, In-course Awards and Bursary data reflects disbursements made during the fiscal year only (eg. the records report have disbursement dates between May 1, 2015 and April 30, 2016).

Note 6: The 2015-2016 records reflect fall/winter 2015-2016 and summer 2016.

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

Source: Office of Student Financial Aid & Scholarships.

Graduate Student Financial Support – Average by Category

Qualification/Category/Average Support		2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Master	Internal Fellowships/Scholarships	\$3,319	\$3,319	\$3,082	\$3,364	\$4,632
	Federal Fellowships/Scholarships	\$827	\$727	\$607	\$839	\$807
	Provincial Fellowships/Scholarships	\$556	\$1,007	\$755	\$671	\$1,055
	Other Bursaries/Awards/Scholarships/Fellowships	\$1,000	\$986	\$1,272	\$817	\$804
	Teaching Assistantships	\$6,023	\$6,462	\$5,913	\$5,513	\$5,328
	Research Assistantships	\$4,567	\$5,350	\$5,074	\$4,719	\$5,643
	Other Employment-Based Income Support	\$38	\$15	\$39	\$15	\$48
PhD	Internal Fellowships/Scholarships	\$4,059	\$4,047	\$3,945	\$4,845	\$5,982
	Federal Fellowships/Scholarships	\$3,777	\$3,896	\$3,365	\$2,350	\$2,962
	Provincial Fellowships/Scholarships	\$1,122	\$2,211	\$1,765	\$1,754	\$1,630
	Other Bursaries/Awards/Scholarships/Fellowships	\$3,810	\$3,155	\$4,216	\$4,453	\$6,305
	Teaching Assistantships	\$6,570	\$6,928	\$7,082	\$7,175	\$7,097
	Research Assistantships	\$5,623	\$6,156	\$6,197	\$6,960	\$5,200
	Other Employment-Based Income Support	\$214	\$183	\$177	\$178	\$196

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

Since 2010-2011, the largest increase in average support for Master's students was seen in the category "Provincial Fellowships and Scholarships" (89.7%).

Since 2010-2011, the largest increase in average support for PhD students was seen in the category "Other Bursaries/Awards/Scholarships/Fellowships" (65.5%).



Tuition Fees

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

Between 2014-2015 and 2015-2016, 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 Undergraduate Entering Cohort, 2011-2012 to 2015-2016

Level 1 Program	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Arts & Science	5,382	16,347	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819
Business	7,183	16,975	7,757	24,000	8,145	25,440	8,552	26,966	8,980	28,584
Engineering	8,523	22,478	9,205	27,500	9,665	29,150	10,148	30,898	11,947	36,722
Health Sciences	5,382	17,217	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819
Humanities	5,382	14,377	5,624	19,000	5,793	20,140	5,966	21,348	6,145	22,628
Kinesiology	5,382	16,347	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819
Medical Radiation Science	5,382	16,347	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819
Medicine	22,497	95,000	23,847	95,000	24,801	95,000	25,545	95,000	26,056	95,000
Midwifery	6,474		6,992		7,551		8,156		8,400	
Nursing	5,382	17,217	5,624	22,000	5,793	23,320	5,966	24,719	6,145	26,201
Science	5,382	16,347	5,624	20,000	5,793	21,200	5,966	22,471	6,145	23,819
Social Sciences	5,382	14,377	5,624	19,000	5,793	20,140	5,966	21,348	6,145	22,628

Tuition Fees for Graduate Entering Cohort, 2011-2012 to 2015-2016

Year 1 Master's/ Doctoral Program	2011-2012		2012-2013		2013-2014		2014-2015		2015-2016	
	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)	Domestic (\$)	Visa (\$)
Research Based Full-time	6,489	14,919	7,008	15,813	7,008	16,761	7,008	16,761	7,008	16,761
Research Based Part-time	3,246	7,656	3,504	8,115	3,504	8,601	3,504	8,601	3,504	8,601
Course Based Full-time	6,489	14,919	7,008	15,813	7,356	16,761	7,722	17,766	8,108	18,832
Course Based Part-time	3,246	7,656	3,504	8,115	3,678	8,601	3,861	9,117	4,054	9,664
MBA ¹ Full-time	14,104	26,960	15,232	28,576	15,992	30,290	16,784	32,104	17,623	34,030
MBA Part-time (per course)	1,763	3,370	1,904	3,572	1,999	3,786	2,098	4,013	2,203	4,254
UNENE ² (per half-course)	2,700	2,700	2,700	2,700	2,700	2,700	2,500	2,500	2,500	2,500
Master of Communications (per half-course)	3,244	3,370	3,373	3,572	3,507	3,786	3,647	4,013	3,793	4,254
MEEI ³ Full-time	16,821	25,725	18,165	27,267	19,071	28,902	20,022	30,636	20,022	30,636
MEEI Part-time	8,409	12,861	9,081	13,632	9,534	14,448	10,008	15,312	10,008	15,312
MEPP ⁴ Full-time	14,631	15,480	15,801	17,028	16,590	18,729	17,418	20,601	17,418	22,661
MEPP Part-time	7,509	7,944	8,109	8,736	8,514	9,609	8,937	10,569	8,937	11,626
M Eng Design ⁵ Full-time	14,631	15,840	15,801	17,028	16,590	18,729	17,418	20,601	17,418	22,661
M Eng Design Part-time	7,509	7,944	8,109	8,736	8,514	9,609	8,937	10,569	8,937	11,626
Occupational Therapy	8,436	28,090	8,773	29,772	9,044	31,558	9,496	33,451	9,971	35,458
Physiotherapy	8,436	28,090	8,773	29,772	9,044	31,558	9,496	33,451	9,971	35,458

Note 1: MBA = Master of Business Administration

Note 2: UNENE = The University Network of Excellence in Nuclear Engineering

Note 3: MEEI = Master of Engineering Entrepreneurship and Innovation

Note 4: MEPP = Master of Engineering and Public Policy

Note 5: M Eng Design = Master of Engineering Design

Note 6: Beginning in 2013-2014, tuition for grad students was differentiated between research-based and course-based programs.

Note 7: UNENE and Master of Communications fees are per half course; MBA full-time is 2 terms; MBA part-time fees are per course; all other program fees are annual (3 terms).

Source: USFC Tuition Fee Schedules, approved by the Board of Governors



Faculty

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

As of October 1, 2015, McMaster has 955 full-time faculty members, of which 36.1 per cent were female. 93.7 per cent of the full-time faculty hold doctoral degrees and 71.9 per cent of faculty members were tenured and Continuing Appointment Without Annual Review (CAWAR).

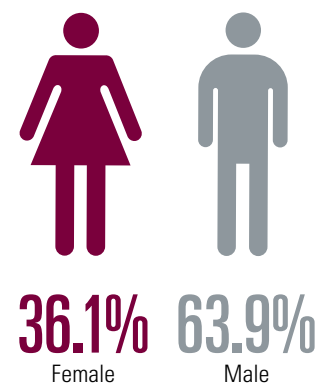
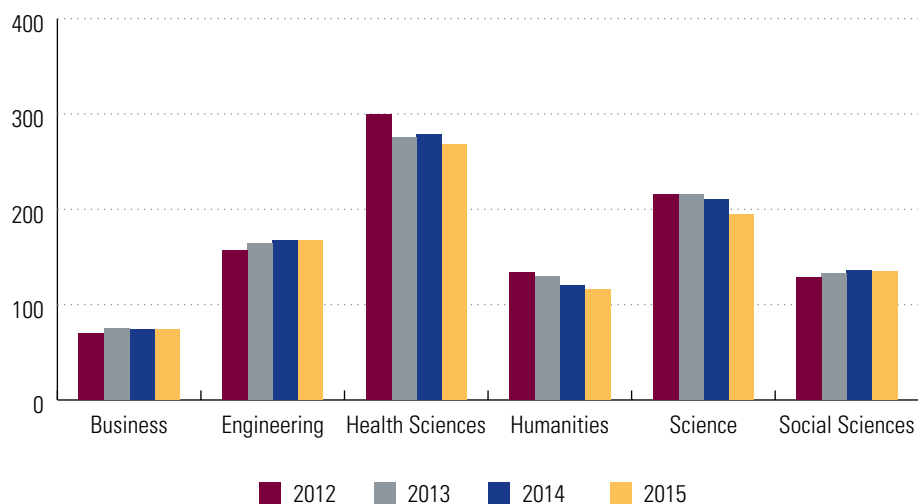
Full Time Faculty Member Count by Faculty and Department, 2012-2015

Faculty/Department¹		2012			2013			2014			2015		
		M	F	All	M	F	All	M	F	All	M	F	All
Business	Accounting & Financial Management Services	8	3	11	8	3	11	8	3	11	6	3	9
	Finance & Business Economics	12	2	14	14	2	16	14	2	16	15	2	17
	Human Resources & Management	7	6	13	7	6	13	8	7	15	8	7	15
	Management Science & Information Systems	5	1	6	5	2	7	5	2	7	6	2	8
	Strategic Market Leadership and Health Services	14	6	20	15	6	21	13	6	19	13	6	19
	Operations Management	5	1	6	6	1	7	5	1	6	5	1	6
	Total	51	19	70	55	20	75	53	21	74	53	21	74
Engineering	Bachelor of Technology	15	1	16	17	2	19	18	2	20	19	1	20
	Chemical Engineering	14	3	17	16	3	19	15	3	18	15	3	18
	Civil Engineering	13	3	16	14	3	17	15	4	19	15	4	19
	Computing and Software	22	1	23	22	2	24	22	2	24	21	2	23
	Electrical and Computer Engineering	27	3	30	26	3	29	26	3	29	26	3	29
	Engineering (General)	2		2	3		3	1		1			
	Engineering Physics	14	2	16	14	2	16	14	2	16	15	2	17
	Material Science & Engineering	13		13	11	2	13	10	3	13	11	2	13
	Mechanical Engineering	20	3	23	21	2	23	22	2	24	23	2	25
	Engineering Practice	1		1	1		1	3		3	3		3
	Total	141	16	157	145	19	164	146	21	167	148	19	167
Health Sciences¹	Anesthesia	2		2	2		2	1		1	1		1
	Biochemistry & Biomedical Sciences	20	6	26	18	7	25	18	7	25	18	8	26
	Clinical Epidemiology and Biostatistics	22	8	30	22	9	31	24	13	37	24	15	39
	Family Medicine	2	4	6	2	5	7	2	5	7	3	2	5
	Medicine	42	16	58	40	16	56	44	15	59	39	14	53
	Obstetrics and Gynecology	2	5	7	3	4	7	2	4	6	2	4	6
	Oncology	3	2	5	3	2	5	2	2	4	3	2	5
	Pathology and Molecular Medicine	23	8	31	20	7	27	19	5	24	20	7	27
	Pediatrics	8	5	13	5	5	10	6	5	11	6	4	10
	Psychiatry	13	11	24	7	9	16	9	10	19	10	9	19
	School of Nursing	5	57	62	4	50	54	4	45	49	4	40	44
	School of Rehabilitation Science	3	24	27	3	25	28	4	25	29	3	23	26
	Surgery	5	3	8	4	3	7	4	3	7	4	3	7
	Total	150	149	299	133	142	275	139	139	278	137	131	268
Humanities	Classics	7	3	10	7	2	9	6	2	8	5	2	7
	Communication Studies & Multimedia	8	5	13	8	5	13	9	5	14	8	7	15
	English & Cultural Studies	10	16	26	10	15	25	10	15	25	8	15	23
	French	8	5	13	8	5	13	6	4	10	4	3	7
	History	12	10	22	10	12	22	10	10	20	12	8	20
	Linguistics and Languages	5	10	15	4	9	13	3	10	13	3	10	13
	Peace Studies				1		1						
	Philosophy	9	6	15	10	6	16	8	6	14	7	7	14
	School of the Arts	13	7	20	10	8	18	8	8	16	8	9	17
	Total	72	62	134	68	62	130	60	60	120	55	61	116

Full Time Faculty Member Count by Faculty and Department, 2012-2015 (continued)

Faculty/Department ¹		2012			2013			2014			2015		
		M	F	All	M	F	All	M	F	All	M	F	All
Science	Biology	20	11	31	21	12	33	20	12	32	20	12	32
	Chemistry	22	4	26	22	4	26	23	3	26	22	3	25
	Geography & Earth Sciences	23	7	30	25	5	30	25	5	30	20	5	25
	Integrated Science Program	1	1	2	1	1	2	1	1	2	1	1	2
	Kinesiology	16	6	22	14	7	21	12	7	19	10	7	17
	Mathematics & Statistics	32	6	38	32	6	38	33	5	38	29	5	34
	Medical Physics & Applied Radiation Sciences	7	2	9	7	2	9	6	2	8	6	2	8
	Physics & Astronomy	22	6	28	21	7	28	20	6	26	19	5	24
	Psychology, Neuroscience & Behaviour	18	12	30	16	13	29	17	12	29	17	11	28
	Total	161	55	216	159	57	216	157	53	210	144	51	195
Social Sciences	Anthropology	8	7	15	8	8	16	7	8	15	7	7	14
	Economics	23	5	28	20	7	27	21	6	27	22	7	29
	Health, Aging, and Society	3	6	9	3	6	9	3	8	11	3	7	10
	Indigenous Studies ²					2	2		2	2		1	1
	Labour Studies	4	4	8	4	4	8	4	4	8	4	4	8
	Political Science	15	5	20	13	8	21	14	7	21	14	8	22
	Religious Studies	11	6	17	11	5	16	11	5	16	10	5	15
	School of Social Work	3	10	13	4	10	14	4	11	15	4	12	16
	Sociology	11	7	18	11	9	20	11	10	21	9	11	20
	Total	78	50	128	74	59	133	75	61	136	73	62	135
Grand Total		653	351	1,004	634	359	993	630	355	985	610	345	955

Full Time Faculty Member Count by Faculty, 2012-2015



Full-time faculty by gender, Fall 2015

Note 1: Departments for faculty members are based on their home departments. Faculty members with joint appointments are counted under their primary faculty on record.
Note 2: Indigenous Studies was moved from Other to Social Sciences effective May 2013.

Note 3: As of October 1st of each year, and as reported to Ontario Council of Academic Vice-Presidents (OCAV).

Note 4: Excludes clinician educators.

Source: Human Resources

Full-time faculty consisted of 414 (43.4%) full professors, 302 (31.6%) associate professors, 225 (23.6%) assistant professors and 14 (1.5%) lecturers. (as of October 1, 2015)

McMaster's Full-time faculty members have an average age of 50.8 years, with an average of 14.5 years at the university. (as of October 1, 2015)

Full-Time Faculty Member Statistics, 2015-2016

Rank		Business	Engineering	Humanities	Science	Social Sciences	Health Sciences	University Total
Full Professor	No. in Rank	31	87	34	116	43	103	414
	Average Age	59.9	55	58.8	54.4	59.4	57.9	56.7
	Average Years in University	20.9	17	23.3	19.7	22.3	20.9	20.1
	% Tenured/Tenure-Track	96.8	100	100	100	97.7	100	99.5
Associate Professor	No. in Rank	26	38	56	50	48	84	302
	Average Age	50.2	47.3	50.4	46.8	49.8	50.1	49.2
	Average Years in University	12.5	12	13.1	12	12.3	13	12.5
	% Tenured/Tenure-Track	88.5	92.1	96.4	92.0	91.7	89.3	92.7
Assistant Professor	No. in Rank	14	37	26	28	39	81	225
	Average Age	47.9	39.2	42.9	41.2	41.9	43.7	42.5
	Average Years in University	10.5	5.1	6.2	7.3	4.6	9.4	7.3
	% Tenured/Tenure-Track	35.7	51.4	30.8	39.3	48.7	66.7	51.6
Lecturer	No. in Rank	3	5		1	5		14
	Average Age		44.4			43		44.3
	Average Years in University		7.8			4.2		6.8
	% Tenured/Tenure-Track		0			0		0
Total Faculty	No. in Rank	74	167	116	195	135	268	955
	Average Age	53.8	49.4	51.2	50.5	50.3	51.1	50.8
	Average Years in University	15.5	12.9	14.5	15.9	12.9	14.9	14.5
	% Tenured/Tenure-Track	78.4	84.4	83.6	88.7	77.8	87.3	84.6

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

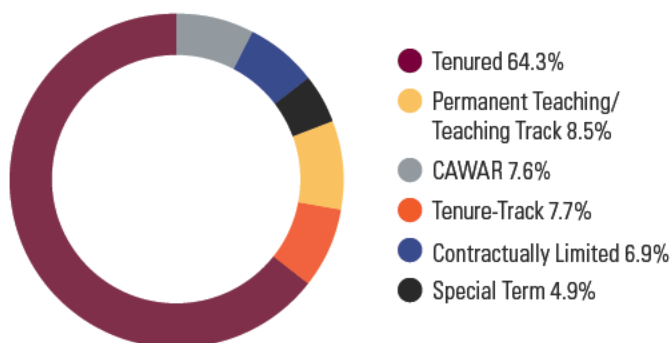
Note 2: Health Sciences % Tenure/Tenure-Track also includes CAWAR and Special appointments.

Note 3: As of October 1, 2015 and as reported to Ontario Council of Academic Vice-Presidents (OCAV).

Note 4: Count excludes clinician educators.

Source: Human Resources

Full-Time Faculty Member Appointment Status, 2015-2016 (n=955)



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

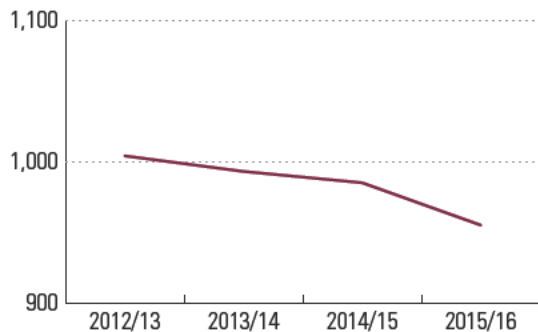
Note 1: Departments for faculty members are based on their home departments. The report does not capture joint appointments.

Note 2: Count excludes clinician educators.

Note 3: As October 1, 2015 and as reported to Ontario Council of Academic Vice-Presidents (OCAV).

Source: Human Resources

Full-Time Faculty Member Count , 2012/13 to 2015/16

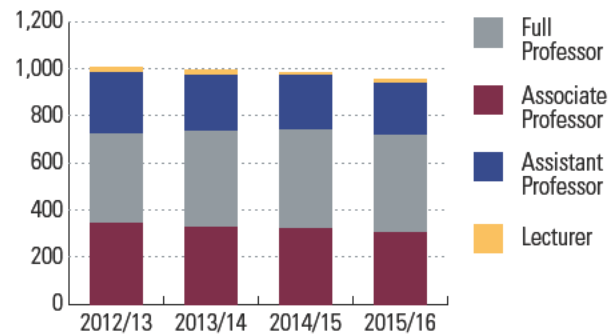


Note 1: Excludes clinician educators.

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

Source: Human Resources

Full-Time Faculty Count by Rank , 2012/13 to 2015/16



Note 1: Excludes clinician educators.

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

Source: Human Resources

Highest Degree of Full-Time Faculty Members, 2015-2016

Faculty	% PhD/MD	% Master's	% Other
Business	85.1	10.8	4.1
Engineering	93.4	6.6	0.0
Humanities	94.0	6.0	0.0
Science	99.0	0.5	0.5
Social Sciences	93.3	5.9	0.7
Sub-total	94.2	5.1	0.7
Health Sciences	92.5	7.5	0.0
University Total	93.7	5.8	0.5

93.7% of full-time faculty members have a PhD or MD.

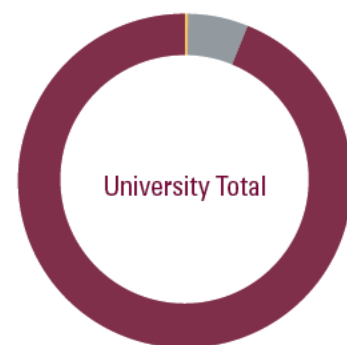
Highest Degree of Full-Time Faculty Members (n=955)



Other 0.7%
Master's 5.1%
PhD/MD 94.2%



Other 7.5%
PhD/MD 92.5%



Other 0.5%
Master's 5.8%
PhD/MD 93.7%

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

Note 2: As of October 1, 2015 and as reported to Ontario Council of Academic Vice-Presidents (OCAV).

Note 3: Excludes clinician educators.

Source: Human Resources

Country of Highest Degree Earned of Full-Time Faculty Members, 2015-2016

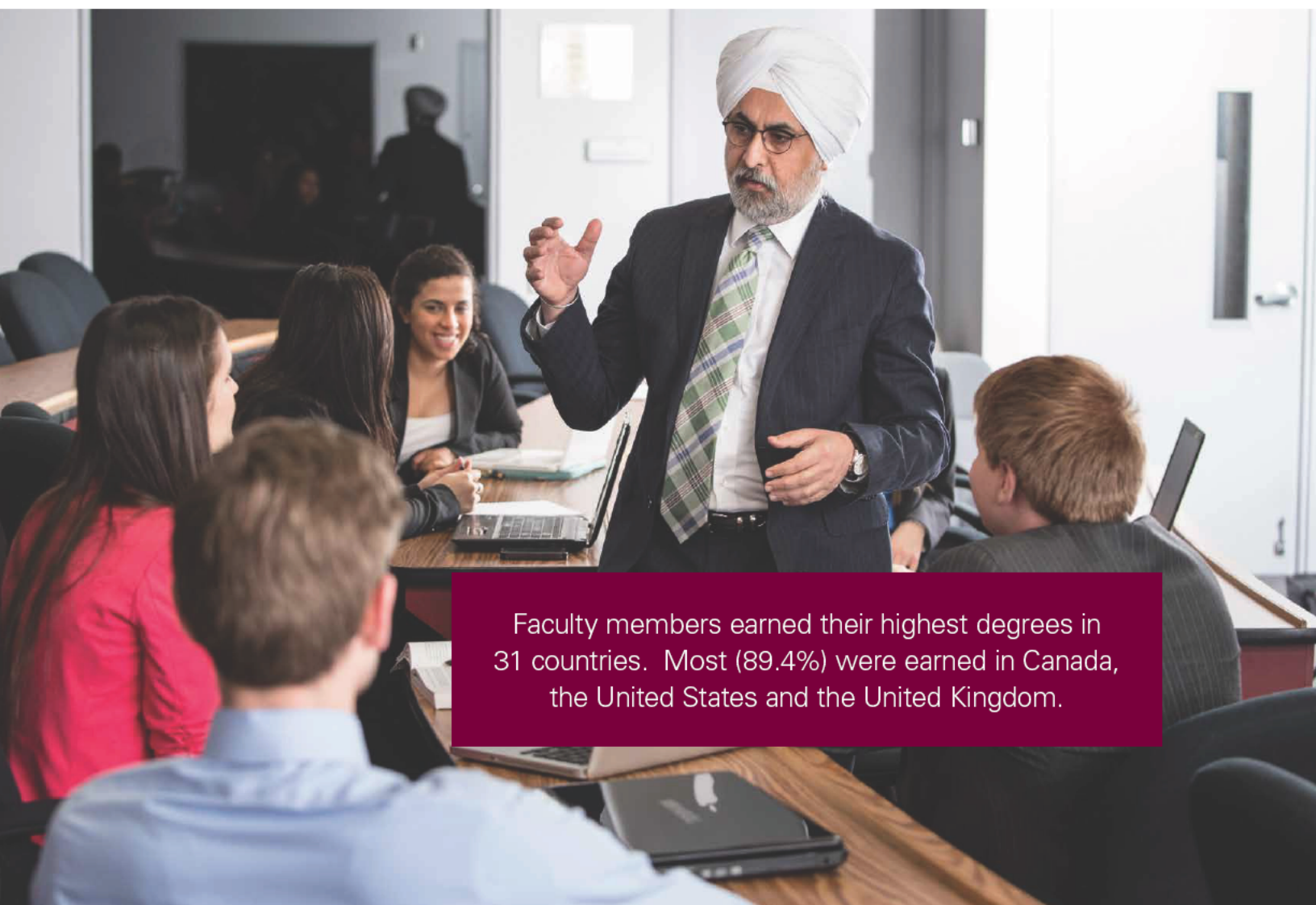
Faculty	Canada	U.S.A.	United Kingdom	China	Australia	All Other Countries
Business	46	23	1	2	1	1
Engineering	81	42	12	5	2	25
Humanities	64	36	12		1	3
Science	106	58	14		1	16
Social Sciences	76	41	11			7
Sub-total	373	200	50	7	5	52
Health Sciences	194	22	15	1	3	33
University Total	567	222	65	8	8	85

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

Note 2: As of October 1, 2015 and as reported to Ontario Council of Academic Vice-Presidents (OCAV).

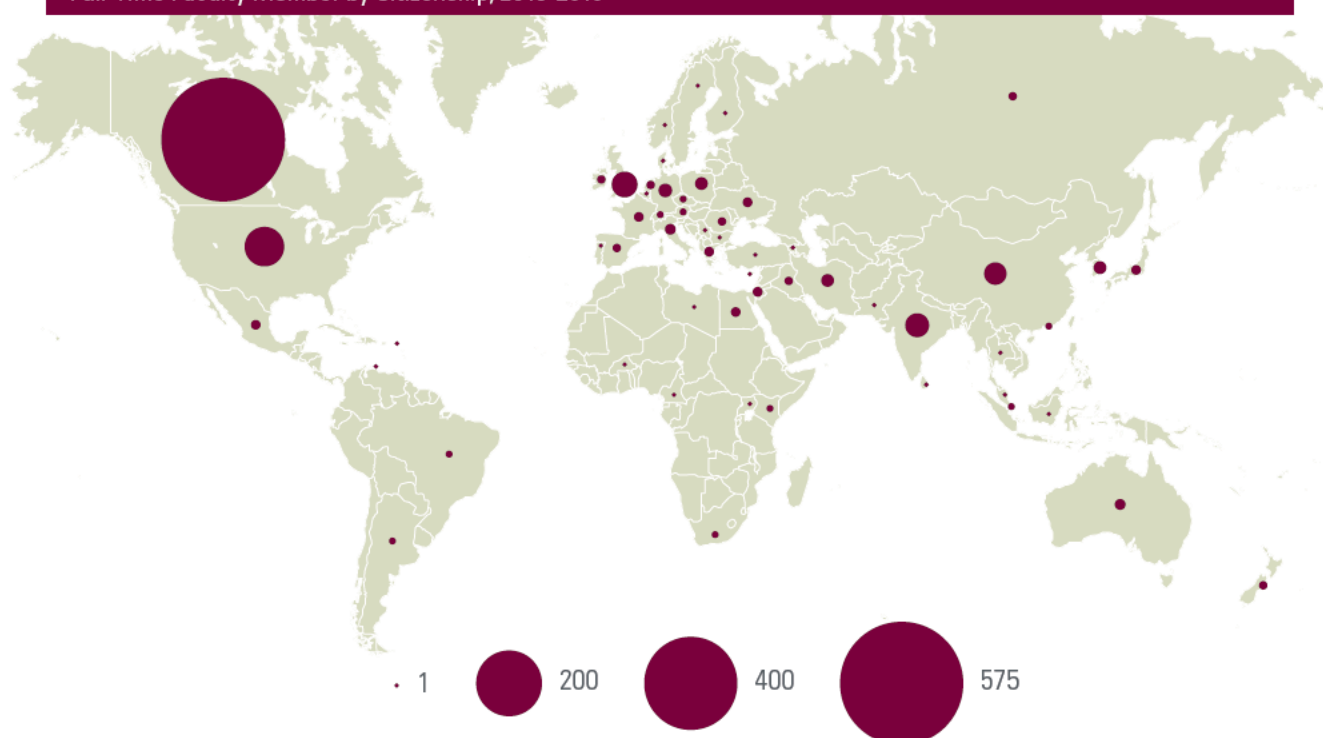
Note 3: Excludes clinician educators.

Source: Human Resources



Faculty members earned their highest degrees in 31 countries. Most (89.4%) were earned in Canada, the United States and the United Kingdom.

Full-Time Faculty Member by Citizenship, 2015-2016



McMaster's full-time faculty members represented 57 countries (not including Canada).

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, 2015-2016

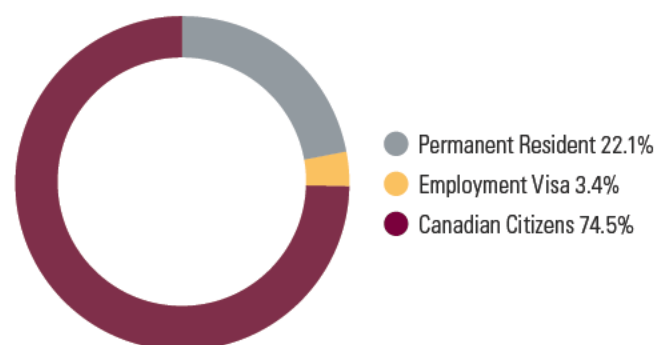
As a percent of all full-time faculty members

Canada	71.0%
United States	7.2%
United Kingdom	3.0%
India	2.6%
China	2.3%
All Other Countries	13.9%

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

Note 2: Excludes clinician educators.
Source: Human Resources

Full-Time Faculty by Immigration Status, 2015-2016¹



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

Note 2: Excludes clinician educators.
Source: Human Resources



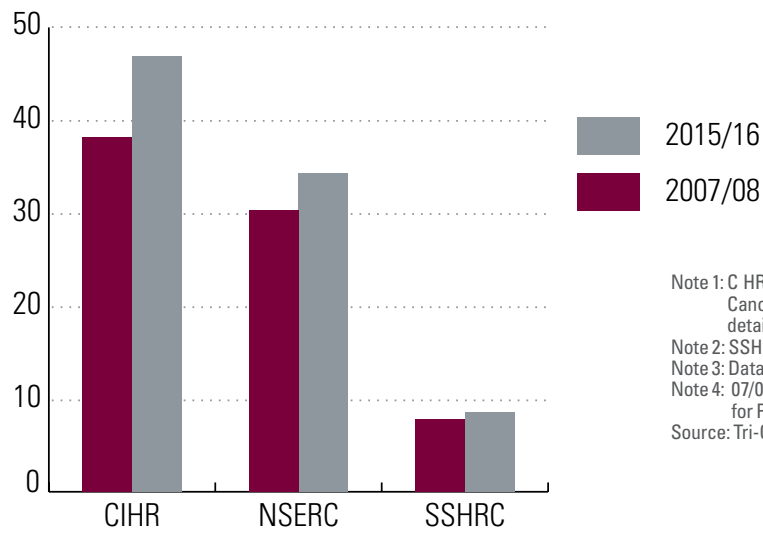
Research Grants

McMaster's estimated total research income for 2015-2016 is \$325.7 million, including affiliated hospitals. (Note: final 2015-2016 amounts were not available at the time of reporting).

McMaster outpaced its peers across the country in two categories which measured corporate research income over the last five years, placing first in both total corporate income at \$588.7 million and total corporate research income as a percentage of total university income at 35 percent. (Re\$earch Infosource 2015) McMaster ranks third in Canada and second in Ontario in research intensity, averaging \$339,500 per faculty member – nearly double the national average – and eighth overall in total research income, bringing in some \$310.6 million. (Re\$earch Infosource 2015).

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

Tri Council Funding, 2007-2008 vs 2015-2016 – \$ millions



Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre). CIHR data for 2015-2016 is an estimate as full details are not yet available on the CIHR search engine.

Note 2: SSHRC includes Divinity College.

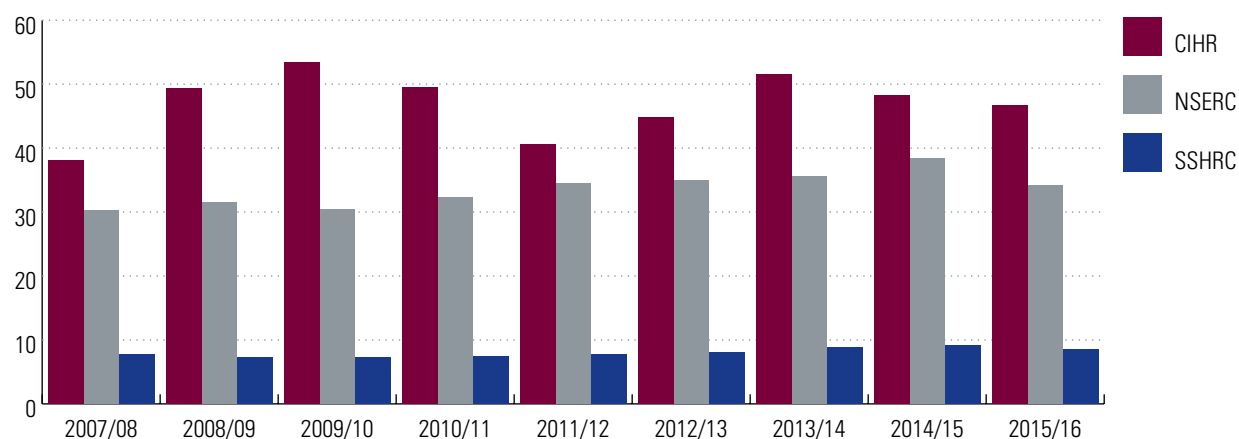
Note 3: Data includes CRC and NCE.

Note 4: 07/08 includes large one-time funding to the Centre for Probe Development and Commercialization.

Source: Tri-Council websites



Tri Council Funding, 2007-2008 to 2015-2016 \$ millions



Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre). CIHR data for 2015-2016 is an estimate as full details are not yet available on the CIHR search engine.

Note 2: SSHRC includes Divinity College.

Note 3: Data includes CRC and NCE.

Note 4: 07/08 includes large one-time funding to the Centre for Probe Development and Commercialization.

Source: Tri-Council websites

Tri Council Funding (\$)⁴

	2007-2008	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	2015-2016
CIHR¹	38,071,379	49,345,310	53,373,065	49,496,341	40,615,338	44,755,061	51,527,733	48,213,512	46,743,940
NSERC	30,263,270	31,570,983	30,424,966	32,357,975	34,482,686	34,986,248	35,555,120	38,444,093	34,160,786
SSHRC²	7,786,130	7,317,787	7,344,096	7,397,814	7,675,563	8,030,162	8,899,474	9,200,804	8,585,180
Total	76,120,779	88,234,080	91,142,127	89,252,130	82,773,587	87,771,471	95,982,327	95,858,409	89,489,906

Note 1: CIHR includes affiliated hospitals (including Juravinski Cancer Centre). CIHR data for 2015-2016 is an estimate as full details are not yet available on the CIHR search engine.

Note 2: SSHRC includes Divinity College.

Note 3: Data includes CRC and NCE.

Note 4: 07/08 includes large one-time funding to the Centre for Probe Development and Commercialization.

Source: Tri-Council websites

■ Approximately \$89.5 million was received from the Tri-Councils, including \$46.7 million from Canadian Institutes of Health Research (CIHR), \$34.2 million from Natural Sciences & Engineering Research Council (NSERC), and \$8.6 million from Social Sciences & Humanities Research Council (SSHRC). (CIHR data for 2015-2016 is an estimate as full details are not yet available on the CIHR search engine)

■ \$30 million in the inaugural CIHR Foundation Grants competition in support of 7 projects to study: the causes, consequences and impact of cardiovascular disease around the world; predicting and preventing major vascular complications of surgery; how intestinal bacteria communicate with the brain; understanding survival strategies of bacteria; causes and interventions to reduce cardio-metabolic conditions such as diabetes and obesity among ethnic groups in Canada; improving the outcomes of critically ill patients; and research on exercise and aging and neuromuscular disorders.

■ \$25 million from CIHR under Canada's Strategy for Patient-Oriented Research for pioneering developments in patient-oriented health care to support the Chronic Pain Network and the IMAGINE-SPOR Chronic Disease Network.

■ \$2.0 million from CIHR's signature initiative on Environments and Health to study how the environment impacts obesity and other problems such as diabetes and liver disease.

■ \$14.5 million in renewed funding from CIHR and SSHRC for the Canadian Research Data Centre Network.

■ \$3.3 million from NSERC's Collaborative Research and Training Experience Program (CREATE) for two projects to ensure the performance of nuclear power plant reactor safety systems and minimize the environmental risk of spent nuclear fuel under natural hazard and to develop the talent for Canada's automotive industry to address the challenges associated with new electric energy storage and electric propulsion technologies.

■ \$2.3 million from NSERC's Strategic Partnership Grants program for 5 projects to develop more efficient solar cells; advance the field of infrared photodetection; develop rapidly curing silicone inks; increase lithium-Ion battery performance reliability; and develop porous biopolymer and smart polymer scaffolds for a variety of applications including improved drug delivery and capture of carbon dioxide from polluted air.

■ \$1.2 million from NSERC's Discovery Accelerator Supplements program to support 10 researchers from four faculties studying the social behaviour of fish; worm metabolism, genetic mutations in flies; the mathematics behind population dynamics; physics processes behind soil behaviour; gamma ray detection; the design of earthquake resilient buildings; quantum-safe cryptography; hand-held biosensors; and mitigating risk with freight transportation.

■ \$5.3 million in renewed funding from the Public Health Agency of Canada for the National Collaborating Centre for Methods and Tools to promote the use of scientific research and other knowledge to strengthen public health practices, programs and policies in Canada.

■ \$3.1 million from SSHRC for partnered research; \$2.5M from the Partnership Grants program to investigate the ways in which changes in firm productivity affect both the level and the distribution of incomes and inform the standard of practice within firms and the public policy debate; and \$645K from the Partnership Development Grants program for 4 projects (2 jointly funded by SSHRC and CIHR) to study barriers to women's participation and employment in information, communications, technology, and media; to examine how research evidence on austerity and its alternatives can be better mobilized to achieve more serious policy consideration; to design physical and mental health interventions specific to firefighters that will allow them to resume participation in work; and to implement gender sensitive caregiver-friendly workplace practices to appropriately accommodate caregiver-employees through the creation of a Canadian Caregiver-Friendly Workplace Standard.

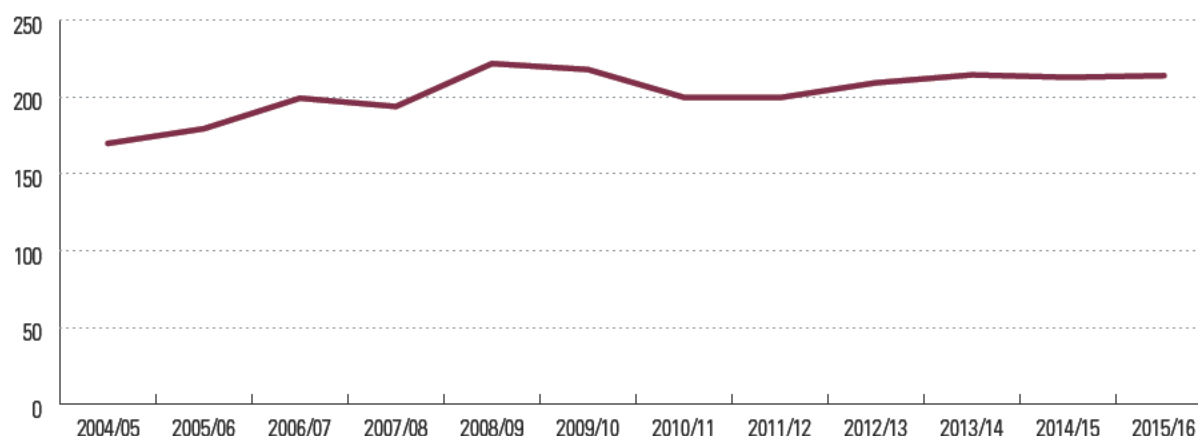
■ \$3.1 million U.S. (approx \$3.9M Cdn) from the Bill & Melinda Gates Foundation to identify and address ethical challenges, ethics-related risk, and policy gaps that have the potential to undermine the impact of potential life-saving technologies and interventions in global health and development research.

■ \$1.3 million U.S. (approx \$1.7M Cdn) from the U.S. National Eye Institute to study a gene thought to play a role in the development of anterior segment dysgenesis (ASD).

■ \$2.0 million from Canada Foundation of Innovation's Innovation Fund and \$2.0 million from the Ontario Ministry of Research and Innovation's Ontario Research Fund-Research Infrastructure program to study community energy management,

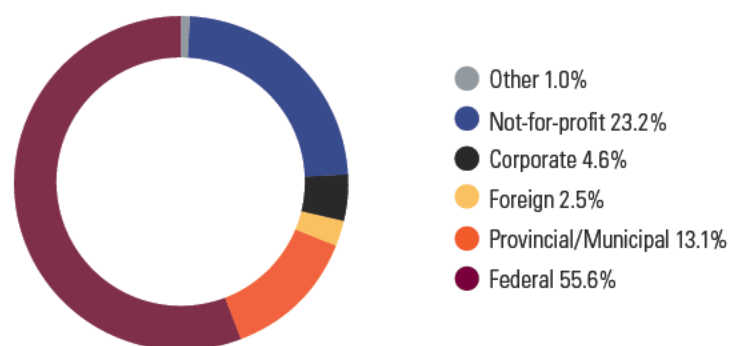
integrated sustainable energy systems and energy harvesting and storage and an additional \$4.4 million from OMRI to research and test the next generation of vehicles and electrified powertrains.

McMaster Sponsored Research Income – \$millions (Excluding Affiliated Hospitals), 2004-2005 to 2015-2016¹



Note 1: 2015-2016 estimate from McMaster University Financial Services.
Source: Canadian Association of University Business Officers (CAUBO)

Sponsored Research Income – by Fund - 2014/15 Excluding Affiliated Hospitals (approximately \$213M)



Note 1: Breakdown by sector not yet available for 2015-2016
Source: Canadian Association of University Business Officers (CAUBO).
Federal Support includes Tri-Council awards, as well as funding from the Canadian Foundation for Innovation, Federal Government, Networks of Centres of Excellence, and Canada Research Chairs. Tri-Council 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, OIT, etc.

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



In the past year, 4.5 million people visited
McMaster libraries in person and online.

Library

McMaster has four libraries on campus: Mills (Humanities and Social Sciences), Innis (Business), Thode (Science and Engineering), and Health Sciences (Health Sciences). The libraries provide McMaster students, faculty and staff with access to more than 1.9 million titles, encompassing significant

collections of electronic resources as well as traditional print materials. Library support for Open Access collections, online resources freely available to anyone worldwide, continues to grow: MacSphere, McMaster's institutional repository, contains more than 14,000 items; more than 10,000 books, maps, and

archival documents are available through the Library's Digital Archive; and the Library's Open Journal Systems instance is home to a growing slate of open access journals.

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

Collections as of April 30th	2011	2012	2013	2014	2015
Books, Other					
Titles (Paper)	1,456,372	1,240,643 ²	1,229,351	1,237,735	1,255,490
Microform (Units)	1,535,404	1,544,518	1,560,902	1,570,917	1,572,386
Electronic books	469,087	492,948	510,269	564,800	596,621
Electronic audio, scores, video, etc.	1,694	8,616	9,443	11,003	12,691
Audio Materials	46,031	46,084	46,106	46,191	45,647
Film and Video	4,022	4,152	3,655	3,811	4,147
Cartographic Material	137,435	137,902	138,142	138,319	138,444
Printed Music Scores	27,885	28,094	29,848	31,120	31,221
Total	3,677,930	3,502,957	3,527,716	3,603,896	3,656,647
Serial Subscriptions					
Print/Microform Serials	2,154 ¹	2,367	1,894	1,791	1,188
Electronic Serials	71,113 ¹	84,427	86,490	92,742	93,604
Total	73,267	86,794	88,384	94,533	94,792
Grand Total	3,751,197	3,589,751	3,616,100	3,698,429	3,751,439

The total information resources expenditure was \$10.4 M, of which 81% was allocated to serial and e-resource subscriptions, 10% to books and 9% to memberships and collection support.

Information Resource Expenditure (\$) as of April 30th	2011 ¹	2012	2013	2014	2015
Books					
Print Monographs	504,593	631,423	616,197	572,436	658,126
Electronic Monographs	90,334	213,749	311,167	198,775	398,395
Total Expense	594,927	845,172	927,364	771,211	1,056,521
Serial Subscriptions					
Print Serials	632,584	628,761	567,605	609,670	651,583
Electronic Serials	4,888,840	6,427,441	7,091,606	6,818,806	7,770,640
Total Expense	5,521,424	7,056,202	7,659,211	7,428,476	8,422,223
Other					
Contract Binding	1,151	2,477	1,370	214	3,559
Other Library Materials	11,065	91,846	1,025,631	1,179,051	934,188
Total Expense	12,216	94,323	1,027,001	1,179,265	937,747
Grand Expense	6,128,567	7,995,697	9,613,576	9,378,952	10,416,491

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

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

Source: CARL (Canadian Association of Research Libraries)

Summary of Library Personnel as of April 30th	2011	2012	2013	2014	2015
Professional					
Professional Staff	30	24	23	23	23
Other Professionals	21	23	27	25	27
Total	51	47	50	48	50
FTE					
Support Staff FTE	74	72	64	69	63
Casual Staff FTE	18	22	19	16	17
Total	92	94	83	85	80
Grand Total	143	141	133	133	130

■ 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. The collection includes such Canadian icons as Farley Mowat, Pierre Berton, and Bruce Cockburn, and British philosopher and activist Bertand Russell. Recent

acquisitions in the Ready Division have added to the collection in a range of areas and include have added to the collection in a range of areas and include the archives of World War II Canadian Army chaplain Stuart Ivison; author and publisher Anna Porter; authors Terry Fallis and Susan Musgrave; and poet Christopher Levenson; as well as a number of rare books related to First Nations language and history.

More than 8,000 students participated in a library instruction session; close to 8,000 research help questions were answered; more than 2.8 million articles were downloaded from the Library's electronic journal collection.





In 2015, the permanent collection held by the Museum of Art consisted of 5,937 works of art valued at over \$98 million.

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;

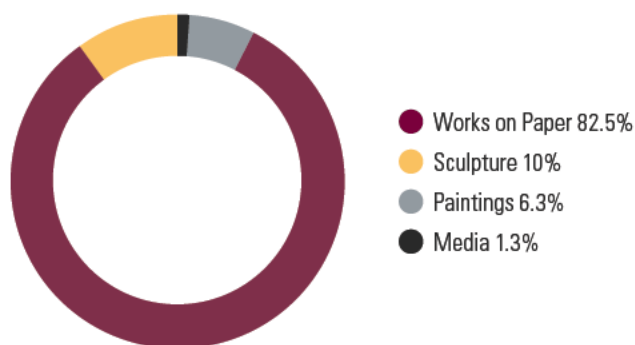
English and Cultural Studies; and Theatre and Film Studies. In the community, the Museum produces projects with sister cultural institutions, including the Carnegie Gallery, Hamilton Arts Council, Mills Hardware and Super Crawl. The Museum continues to contribute to the development of original research 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/

Permanent Collection Growth, 2011-2015	2011	2012	2013	2014	2015
New Acquisitions					
Paintings	26	62	18	16	5
Works on Paper	48	47	10	11	66
Sculpture	2	1	2	0	8
Coins	61	1	0	0	0
Media	0	2	0	0	1
Total New Acquisitions	137	113	30	27	80
Permanent Collection	7,117	7,230	5,830	5,857	5,937

New Acquisitions, 2015 (n=80)

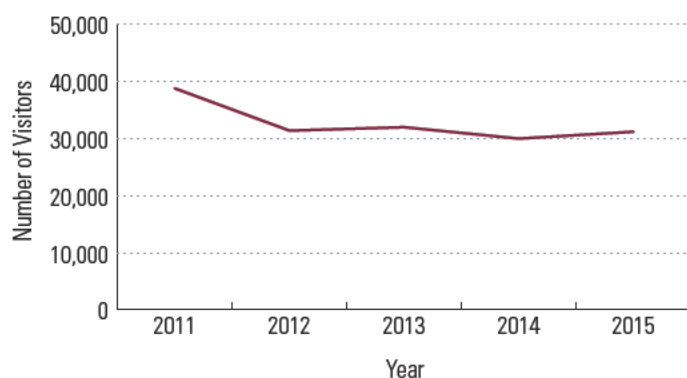


The Museum added 80 pieces of art to its permanent collection in 2015, consisting of 66 works on paper, 8 sculptures, 5 paintings and 1 media piece.

Attendance as of April 30th	2011	2012	2013	2014	2015
Attendance	38,808	31,400	32,000	30,000	31,200

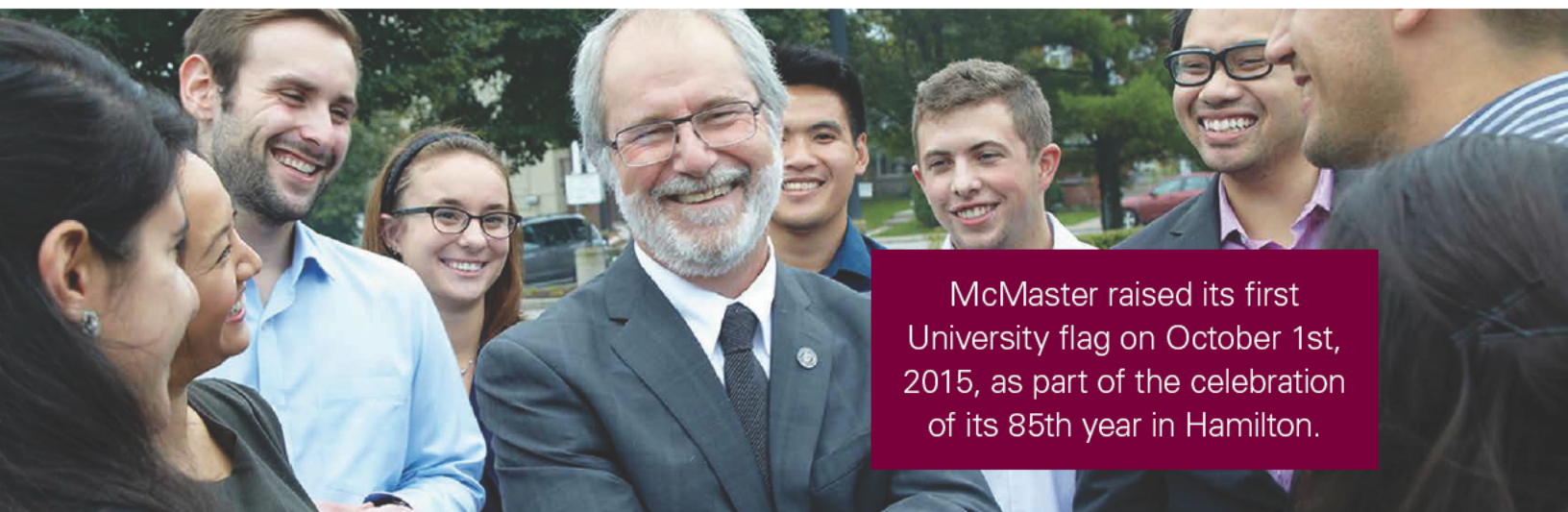
The attendance at the Museum of Art consistently reaches some of the highest figures for a university-affiliate in Canada.

Annual Attendance as of April 30th, 2011-2015



Social Media statistics for 2015 are as follows: 44,195 website views; EMuseum, 41,877 page views; Twitter Followers, 2,594; Facebook Fans, 1,164; E-invite subscribers, 1,085; YouTube subscribers, 50; and an active Geocache community.

Source: McMaster Museum of Art



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

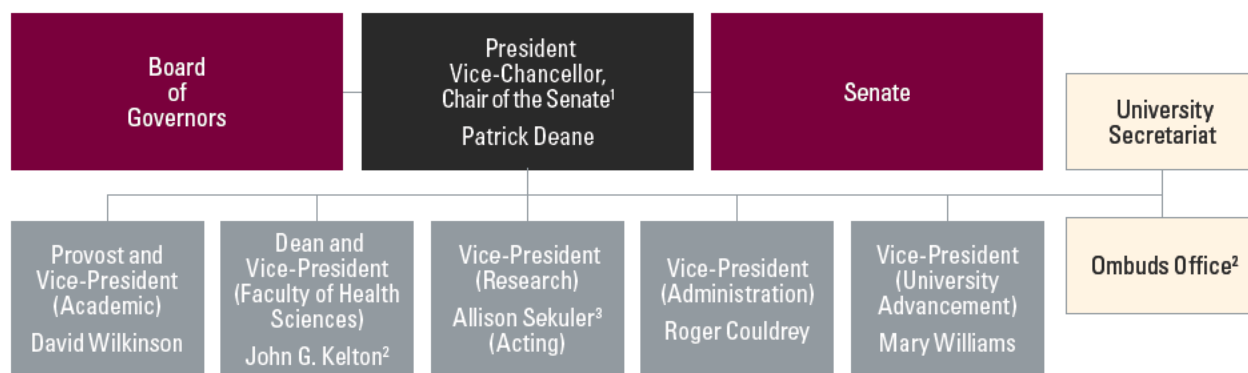
- Suzanne Labarge, 18th chancellor (2013-)

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, 2015



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.

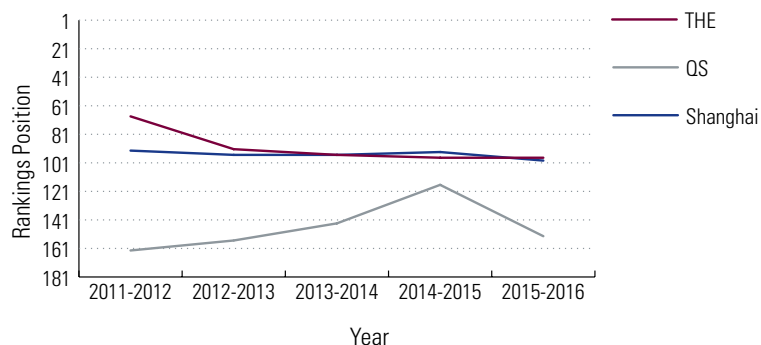
Note 3: John Kelton's term ended on June 30, 2016. Dr. Paul O'Byrne is currently Dean and Vice-President (Faculty of Health Sciences)

Note 4: As of July 1, 2016, Dr. Robert Baker is Vice-President (Research).



World University Rankings

McMaster Rankings

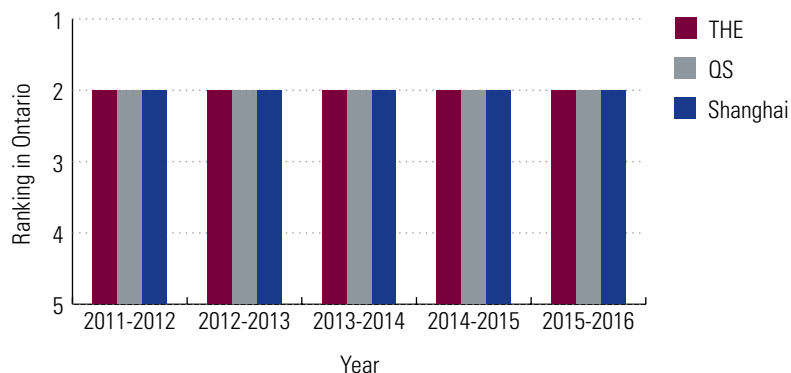


Times Higher Education World University Rankings:
94th in 2015-2016

Academic Ranking of World Universities (Shanghai):
96th in 2015

QS World University Rankings:
149th in 2015

McMaster Rankings in Ontario



McMaster consistently ranks second in Ontario in the three world university rankings.

(THE, QS, Shanghai)

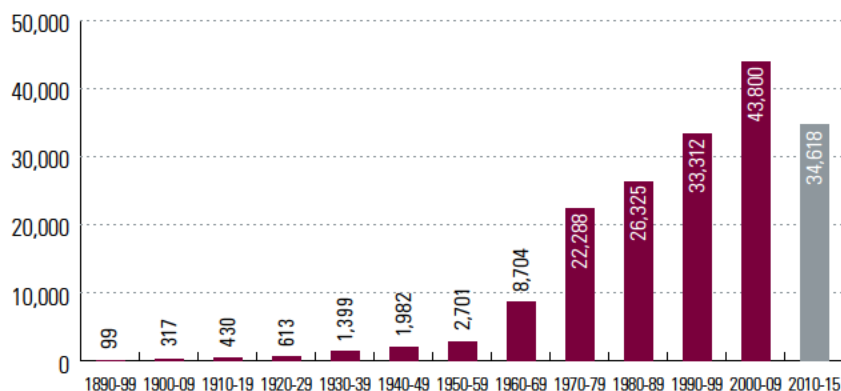
THE: Times Higher Education World University Rankings
QS: QS World University Rankings
Shanghai: Shanghai Jiao Tong University's Academic Ranking of World Universities



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 6,000 graduates join our alumni community each year. For more information on McMaster alumni, please visit: alumni.mcmaster.ca

Number of Graduates by Decade



Note 1: Most recent period is only for five years.
Source: University Advancement

52% of alumni have graduated in the past 15 years

Total Number of Alumni¹, as of August 15, 2016

Faculty/Area	Active Alumni ²	Total Living Alumni	Total Alumni
Arts & Science	1,438	1,604	1,669
Business	15,321	18,268	18,677
Continuing Education	3,082	4,207	4,376
Divinity	682	912	1,258
Engineering	17,265	19,749	19,984
Health Sciences	17,512	20,181	20,465
Humanities	19,746	25,762	27,764
Science	30,402	36,504	37,976
Social Sciences	34,750	45,335	47,769
Other ³	206	678	2,444
Total	140,404	173,200	182,382

Note 1: Living Alumni includes lost and removed by request

Note 2: Active Alumni means known contact information.

Note 3: Faculty or program of graduation is unknown.

Source: University Advancement

Active Alumni Residence by Province/Territory, as of August 2016

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 1: Active alumni residence by Province/Territory is within Canada.

Source: University Advancement

2/3 of all Canadian alumni reside within the Greater Toronto/Hamilton Area.

Alumni in Canada:
128,798

Alumni outside
Canada: 10,673

Nearly 130,000 of McMaster's active alumni live in Canada, of which 93 per cent reside in Ontario and 7 per cent in the other nine provinces and territories.

Active International Alumni Residence by Country, as of August 2016



Active International Alumni Residence by Country ¹ , as of August 2016					
Country	Alumni	Country	Alumni	Country	Alumni
Angola	3	Czech Republic	9	Israel	30
Antigua	5	Denmark	12	Italy	35
Argentina	9	Dominican Republic	2	Jamaica	43
Aruba	1	Ecuador	1	Japan	112
Australia	278	Egypt	83	Jordan	8
Austria	14	England	494	Kazakhstan	3
Bahamas	65	Eritrea	1	Kenya	54
Bahrain	7	Estonia	1	Kuwait	14
Bangladesh	23	Ethiopia	2	Latvia	2
Barbados	32	Falkland Islands	1	Lebanon	5
Belgium	29	Finland	5	Liberia	2
Belize	2	France	79	Libya	4
Bermuda	68	Germany	103	Lithuania	1
Bhutan	1	Ghana	17	Macau	11
Bolivia	2	Grand-Duche Du Luxembourg	6	Malaysia	126
Botswana	17	Greece	42	Mali	1
Brazil	30	Grenada	2	Malta	1
Brunei	5	Guatemala	1	Mauritius	5
Bulgaria	3	Guyana	14	Mexico	56
Burkina Faso	2	Holland	8	Morocco	2
Burma	3	Honduras	1	Namibia	1
Cayman Islands	10	Hong Kong	825	Nepal	4
Channel Islands	6	Hungary	6	Netherlands Antilles	5
Chile	17	Iceland	4	New Caledonia	1
Colombia	6	India	148	New Zealand	75
Costa Rica	2	Indonesia	44	Nigeria	40
Cyprus	8	Iran	17	Northern Ireland	18
				Solomon Islands	1
				Norway	17
				Oman	13
				Pakistan	48
				Palestine	2
				Papua New Guinea	4
				People's Republic of China	402
				Peru	3
				Philippines	12
				Poland	9
				Portugal	5
				Puerto Rico	3
				Qatar	14
				Republic of Croatia	3
				Republic of Ireland	31
				Republic of Korea	18
				Romania	3
				Russia	4
				Rwanda	3
				Saudi Arabia	58
				Scotland	54
				Serbia/Montenegro	7
				Seychelles	1
				Sierra Leone	5
				Singapore	152
				Slovak Republic	2
				Slovenia	3
				South Africa	25
				South Korea	84
				Spain	15
				Sri Lanka	11
				St. Lucia	4
				Sweden	16
				Switzerland	64
				Taiwan	67
				Tanzania	10
				Thailand	43
				Trinidad & Tobago	108
				Tunisia	1
				Turkey	19
				Turks and Caicos Islands	1
				Uganda	13
				Ukraine	5
				United Arab Emirates	86
				United States of America	5,944
				Uruguay	1
				Venezuela	13
				Vietnam	3
				Virgin Islands	1
				Wales	12
				Western Sahara	1
				Zambia	5
				Zimbabwe	9
				Total	10,673

Source: University Advancement

Notable Alumni

Nobel Laureate in Economic Sciences

Myron Scholes

Rhodes Scholars

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

Government

Tommy Douglas	Roy Lindsay Kellock
Lincoln Alexander	Dalton McGuinty

Distinguished Alumni Award Recipients

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

Source: University Advancement



Donations and Gifts

Supporting the pursuit of knowledge by expanding and stewarding private and public support – through a comprehensive range of development programs for donors, that achieve an annual goal of \$21.5 million in revenue. Development activity at McMaster supports the strategic priorities set by the University by building meaningful relationships with donors and delivering financial results to the institution.

For more information on donations and gifts, please visit: alumni.os.mcmaster.ca/s/1439/start.aspx

2015 Results highlights

Goal: \$21,500,000

New pledges and gifts:

\$29,113,874

Discounted future gifts:

\$9,631,811

2015 Total:

\$38,745,685

Donors by Type:

Individual: **97.5%**

Corporate: **1.3%**

Foundations: **0.54%**

Organizations: **0.59%**

Return on investment: **\$8.21**

(for every dollar spent on philanthropic activity, \$8.21 was returned to the university)

Cost per dollar raised: **\$0.12**

Value of receipted gifts in 2015:

\$33,512,308

Average gift size: **\$111**

Number of gifts: **7,630**

**1% of our donors give
90% of our dollars**

Top 20 individual donors
consolidated giving:
\$388,695,328

Source: University Advancement



As of July 4, 2016, McMaster University had 10,918 employees (excluding McMaster University Faculty, Clinical Faculty and Senior Academic Librarians).

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/

McMaster University was named one of Hamilton-Niagara's Top Employers for 2016. This was the first time that McMaster had submitted an application to this rigorous competition. 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.



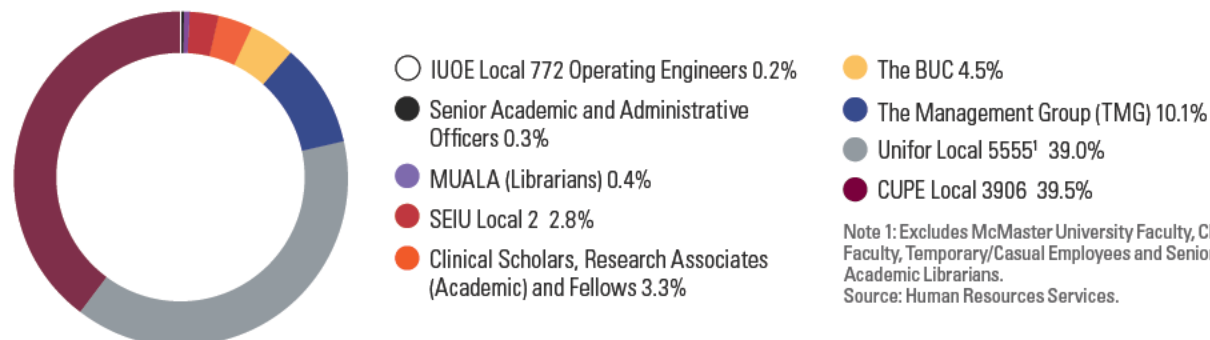
McMaster was named one of Hamilton-Niagara's Top Employers for 2016.

Employee Count, as of July 4, 2016	
Employee Groups ¹	Count
Unifor Local 5555:	2,385
Unit 1: Non-Academic Administrative, Professional and Technical	2,334
Unit 3: Parking & Transit	33
Unit 4: Special Constables	18
CUPE Local 3906:	2,416
Unit 1: Teaching Assistants	2,081
Unit 2: Sessional Faculty and Sessional Music Faculty	212
Unit 3: Postdoctoral Fellows (Non-HSc)	123
IUOE Local 772:	11
Operating Engineers	11
SEIU Local 2:	170
Hospitality Services and PT Satellite	167
Machinists	3
MUALA (Librarians)	24
The Building Union of Canada (The BUC)	278
Operations & Maintenance and Casual Cleaners	278
The Management Group (TMG)	615
Senior Academic and Administrative Officers	15
Senior Academic Officers	4
Senior Administrative Officers	11
Clinical Scholars, Research Associates (Academic) and Fellows	199
Temporary Staff	4,804
Total	10,917

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

The largest employee group, CUPE Local 3906, comprised 39.5% of the total staff count.

Staff Count by Employee Classification, excluding Temporary, as of July 4, 2016 (n=6,114)



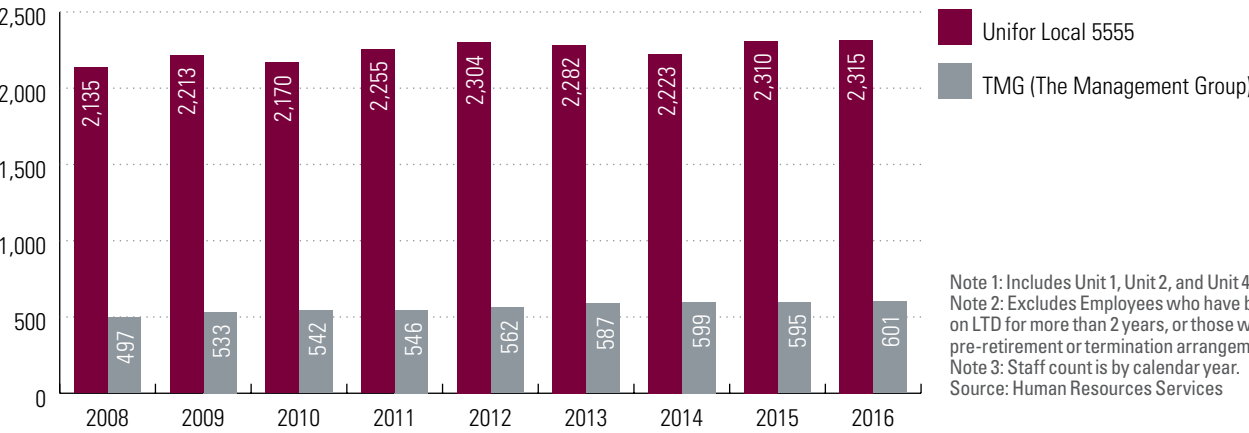
Employee Groups by Years of Service and Age, as of July 4, 2016		
Employee Groups	Average Yrs. of Service	Average Age
Unifor Local 5555:	11.1	44.3
Unit 1: Non-Academic Administrative, Professional and Technical	11.3	44.5
Unit 3: Parking & Transit	3.5	25.6
Unit 4: Security	6.4	42.0
IUOE Local 772:	17.4	53.8
Operating Engineers	17.4	53.8
SEIU Local 2:	8.9	45.9
Hospitality Services and PT Satellite	8.8	45.7
Machinists	13.3	55.3
MUALA (Librarians)	10.6	42.8
The Building Union of Canada (The BUC)	11.1	49.0
Operations & Maintenance and Casual Cleaners	11.1	49.0
The Management Group (TMG)	12.3	46.5
Senior Academic and Administrative Officers	14.4	56.3
Senior Academic Officers	21.3	64.3
Senior Administrative Officers	12.2	53.7
Total	11.3	45.2

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

The average age of McMaster employees is 45.2 years.

The average years of service of McMaster employees is 11.3.

Staffing Complement for Unifor¹ and TMG, July 2008-2016^{2,3}

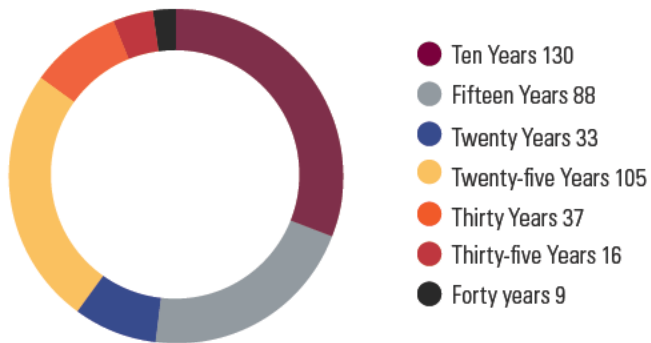


In 2015, 16 nominations for outstanding service were received (12 individuals, and 4 teams), from which 8 staff members were recognized for their individual contributions, and 2 teams acknowledged for their significant contributions to the University.

There were 8 nominees for the new lifetime achievement award and 1 award recipient.

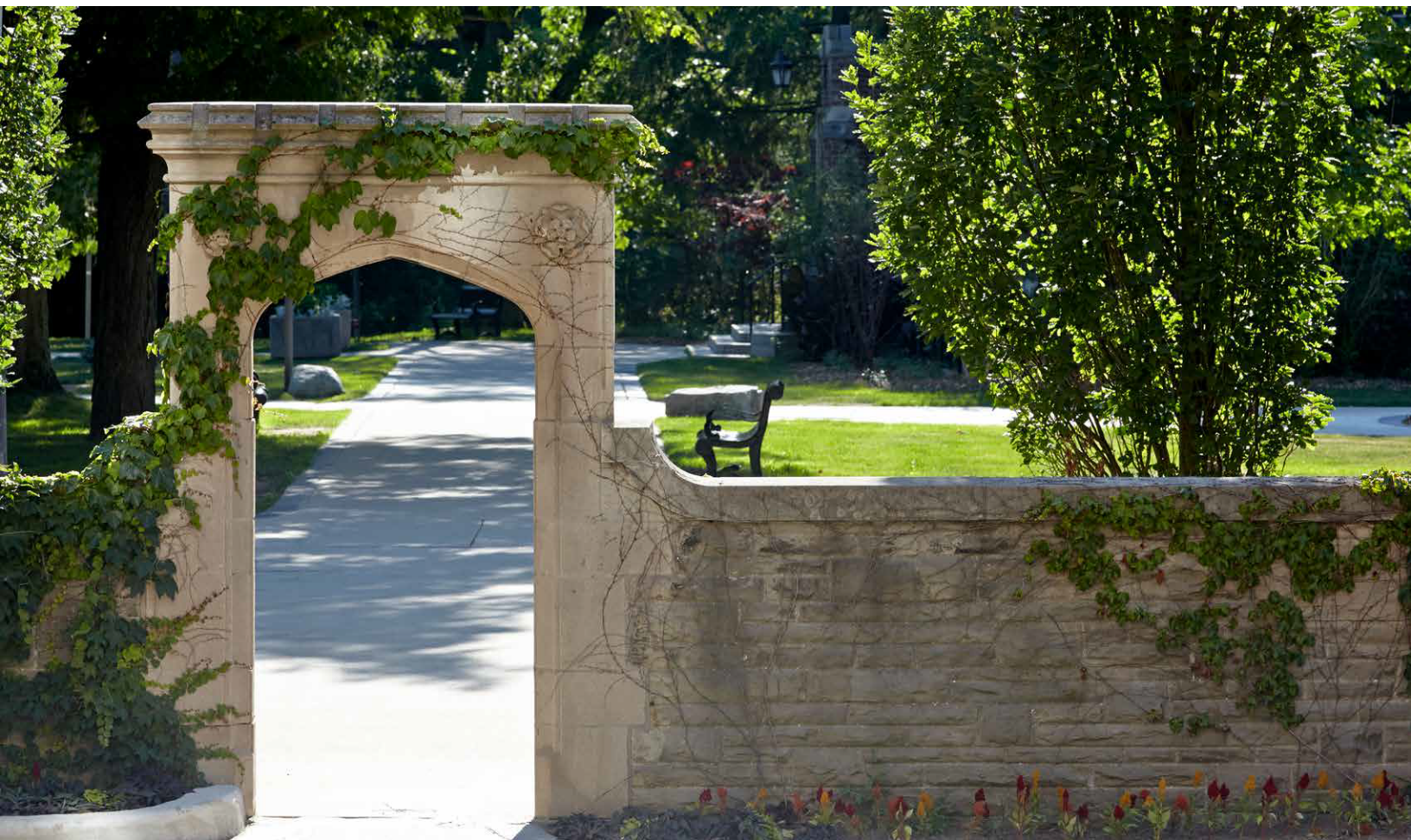
The Pan Am Games team was a Special Achievement recipient.

Employees Attaining Long Service Milestones in 2015 (n=418)



Nine employees attained the 40 year long service milestone in 2015.

105 employees were inducted into the Quarter Century Club in 2015.



Finance

The University finished the 2015-2016 year with an audited surplus of \$29.1 million (2014-2015 - \$78.6 million). The decline in results over the prior year relates substantially to investment performance for 2015-2016 of -2.8% compared to 10.1% last year resulting in \$43.4 million less in investment income (2015-2016 - \$12.9 million, 2014/15 - \$56.3 million). The investment environment was challenging throughout 2015-2016.

■ Included within the consolidated results is a small operating fund surplus of \$4.4 million (2014-2015 loss of \$12.2 million). The surplus relates to growth in operating fund revenue due to increased research overhead support, other income, and in part to tuition rate increases within the legislated framework and other rate changes on non-government funded programs.

■ 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 2015-2016.

Year ended April 30, 2016 with comparative figures for 2015* (\$ millions)

Statement of Operations - Audited ¹	2016	2015	% change
Revenues	954.4	990.8	-3.7%
Expenses	925.3	912.2	1.4%
Excess of revenues over expenses	29.1	78.6	63.0%

Statement of Financial Position - Audited	2016	2015	% change
Assets	2,377.0	2,242.1	6.0%
Liabilities	1,592.5	1,349.4	18.0%
Net Assets	784.5	892.7	-12.1%

Operating Fund - Unaudited	2016	2015	% change
Sources of revenue	589.1	563.2	4.6%
Net expenditures and transfers	584.7	575.4	1.6%
Net surplus	4.4	(12.2)	-136.1%

Reconciliation of Operating Fund Results to Audited Statement of Operations above ²	2016	2015	% change
Net surplus/(deficit) Operating Fund	4.4	(12.2)	136.1%
Accrual Adjustments:			
Net capital adjustments	7.7	3.7	108.1%
Internal Endowment investment income transfer	(8.7)	8.9	-197.8%
Pension and other post retirement accruals	21.4	13.3	60.9%
Other accounting adjustments	4.3	64.9	-93.4%
Excess of revenues over expenses per audited results	29.1	78.6	63.0%

Audited Financial Statements are available at
http://www.mcmaster.ca/bms/pdf/fs_afr_16.pdf

Note 1: 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.
 Note 2: Certain comparative figures have been restated to comply with current year's classifications.

■ Year over year capital expenditures decreased to \$94.4 million, down from \$135.9 million in 2014-2015, due to the completion of large capital projects in the prior year.

■ Total liabilities increased by 18.0% due to the \$120 million debenture issued and the increase in employee future benefits. Future capital plans, a strong balance sheet, and continued low interest rates allowed additional debt financing during the year. Standard and Poor's improved the university's credit rating from AA- to AA.


■ As a result of investment losses and interest costs on liabilities, total pension plan deficits increased from \$63.3 million to \$165.9 million.

■ The non-pension post-retirement benefit plan deficit decreased from \$217.2 million to \$208.0 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.

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

Total assets grew by 6.0% as result of the increase in long term investments and capital assets.

A photograph of University Hall at McMaster University. The building is a large, multi-story stone structure with Gothic architectural features, including pointed arch windows and a central entrance with a large arched doorway. The building is heavily covered in green ivy. In the foreground, there is a set of stone steps leading up to the entrance, flanked by green bushes and a small sign that reads "University Hall". The sky is blue with some white clouds.

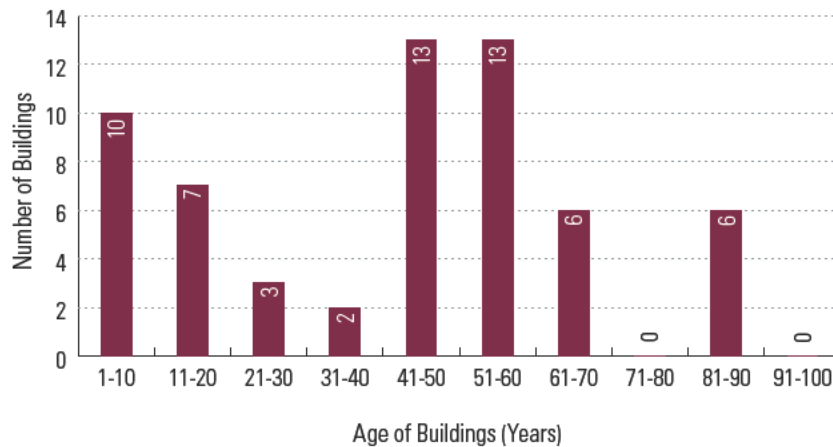
Total gross area
of buildings
on-campus
amounts to
570,000 m²

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 251 acres.

For more information on McMaster space, please visit: ppims.services.mcmaster.ca/pplant/index.html

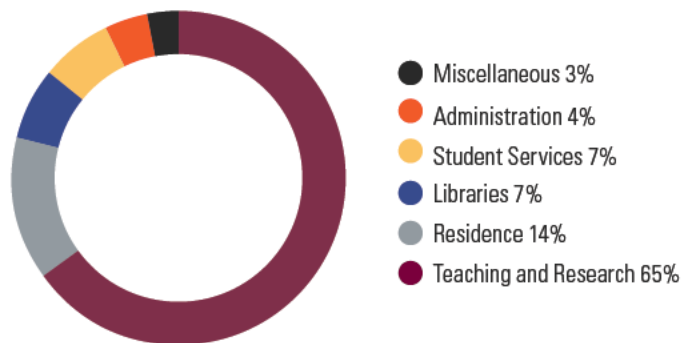
Number of Buildings by Age



Source: Space Database

The \$1 million main floor renovation at the DeGroote School of Business (DSB), building 46 is scheduled for completion in 2016. The intention is to refresh existing work spaces for both B.Com and Graduate Programs.

Assigned Space (Total = 409,580 NASM)



McMaster devotes most space to the Teaching and Research category (65%)

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

The McMaster University Student Centre has recently been renovated and expanded to add a 119m²(gross) 60 seat lounge and social seating space.

McMaster University 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	308	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	254	Classroom	2000
Ivor Wynne Centre	17,597	407	Athletics & Research	1964
John Hodgins Engineering Building	20,815	636	Classroom & Research	1958
Kenneth Taylor Hall	10,028	450	Classroom	1971
Les Prince Hall	8,239	634	Residence	2006
Life Sciences Building	8,769	320	Classroom & Research	1970
M.G.D. Centre for Learning and Discovery	24,976	573	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	55,757	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
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

McMaster University Facilities (continued)

Building Name	NSM ¹	No. of Rooms	Primary Usage	Year
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
Dramatic Arts Workshop (T18)	119	2	Workshop	2000
Temporary Lecture Theatre (T28)	425	6	Classroom	2002
Temporary Lecture Theatre (T29)	512	9	Classroom	2003
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

■ L. R. Wilson Hall is now open on the ground and basement levels, while fit-out continues on the upper levels. The project budget is \$66 million. This new facility is planned to have approximately 16,537m² (gross) for classrooms, labs, community outreach spaces, research areas, and will include a new 350 seat concert hall. It is intended that this facility will attain LEED® Silver certification.

■ McMaster is currently constructing the Gerald Hatch Centre for Engineering Experiential Learning at an estimated cost of \$11 million; preliminary plans are for a 2,600 m² (gross) facility 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 Living and Learning Centre (Academic/Residence/Hospitality/Children Centre/Underground Parking) is planned for construction at the current location of temporary buildings #T28, #T29, and #T18 at an approximate cost of \$118 million.

■ The fourth floor at the Ron Joyce Centre has recently been transformed from a shelled

space into a floor for research focused interdisciplinary work (Digital Management and Health Management at the School of Business). Additional office and classroom spaces that are to be technology-rich active learning environments. The project has an approximate cost of \$4.3 million.

■ The Fraunhofer Project Centre for Biomedical Engineering and Advanced Manufacturing at McMaster University is currently being fit out 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.

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

