McMaster University

McMaster

Viewbook 2024

BRIGHTER WORLD | future.mcmaster.ca

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Helpful Terms

Direct Entry

A direct entry program is a program you apply to and will remain in for the duration of your undergraduate studies.

Gateway/General/Exploratory Programs

A general entry program is a program you apply to, will explore during your first year of study, then declare your major, specialization or focus in your upper years of study.

Level I (Level II, Level III, Level IV):

Levels are the progression through a program. Level I students are often first-year students, however if you study part-time, take time away from studies for co-op, exchanges or leaves, or need additional time to complete required courses, this may extend the time spent in any given level.

Units

Units define the number of credits associated with a course.

Smudging Workshop

Indigenous Land Acknowledgement

McMaster University sits on the traditional Territories of the Mississauga and Haudenosaunee Nations, and within the lands protected by the Dish With One Spoon Wampum Agreement (Indigenous Education Council, May 2016).

Chancellor Santee Smith

The Dish With One Spoon Wampum Agreement

The land that McMaster University sits on is covered by the Dish With One Spoon Wampum Agreement. The Dish With One Spoon Wampum Agreement describes the 'dish' to represent the territory and the 'one spoon' to symbolize the peoples living on and sharing the resources of the land: Only taking what we need, and keeping the dish clean.

The Agreement is a treaty between the Anishinaabe, Mississauga and Haudenosaunee peoples, binding them to share the territory and protect the land. Subsequent Nations and Peoples were welcomed into the Agreement in the spirit of peace, friendship and respect.

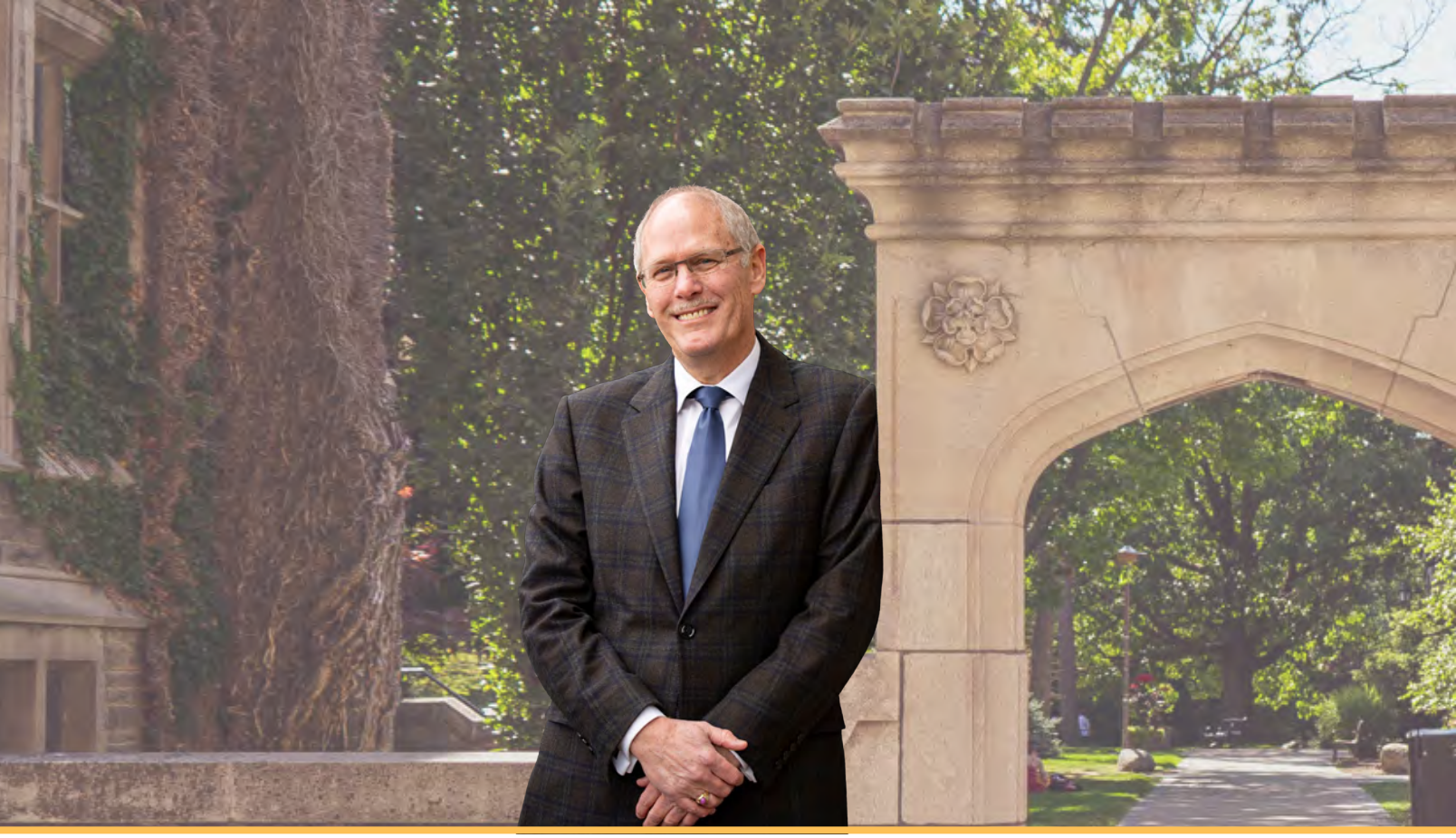
Tobacco Tying

Indigenous Circle

The Indigenous Circle or Karahakon Kateweienstha (Learning in the Forest) in Mohawk, and Nibwaajkaawin Teg (Place of Wisdom) in Ojibway, was created under the guidance of McMaster's Indigenous Education Council as a space for learning, reconciliation and the remembrance of Indigenous people and the histories of this land.

Indigenous Graduation 2023

Indigenous Circle



President's Message

McMaster is an amazing community.

It's a place where our students make life-long friendships and discover what their futures will be. Our outstanding faculty and staff are ready to support you and help you develop your own path, from the moment you make the decision to attend McMaster to graduation and beyond.

McMaster's award-winning teaching will inspire a passion for discovery that will stay with you for the rest of your life. Our focus on experiential learning, student entrepreneur programs, and student services, such as wellness supports and career planning, make the McMaster student experience truly unique.

We are consistently ranked among the world's top 100 universities (2022/23), and among the world's top 35 universities for overall global impact based on the United Nations' Sustainable Development Goals. With more than 18,000 universities worldwide, this puts us, and our students, in a very special category.

We are committed to advancing societal health and well-being, and to creating a sustainable campus that supports a holistic approach to student success. We nurture academic excellence, promote equity and diversity, and foster a true sense of belonging.

Welcome to a brighter world. Welcome to McMaster.

Dr. David Farrar
President and Vice-Chancellor

Welcome to McMaster

Our students are passionate, driven individuals who value community, collaboration and innovation. They work side by side to build a brighter world, and become leaders of tomorrow.

At McMaster, we are critical thinkers who support one another and embrace change. Every success will be celebrated, and any shortfall becomes a learning opportunity to reflect, grow, and enrich our local and global communities.

From your first year to your final year and beyond, you will always be a McMaster Marauder.

McMaster is home to 32,174 undergraduates and 5,363 graduate students, with a total student population of 37,537.

There are more than 229,286 alumni from McMaster that represent 147 countries, including Canada. McMaster alumni have become cabinet ministers, business leaders, scientists, professional musicians, university presidents, doctors, Hollywood actors, Olympians and an astronaut.

In the 2022/2023 academic year, 17.50% of all McMaster students were international students, from 125 countries.

McMaster
UNIVERSITY

CENTRALLY LOCATED
McMaster's main campus, located in the Westdale neighbourhood of Hamilton, Ontario, Canada, comprises 300 acres of conservation space at the western end of Lake Ontario, between Toronto and Niagara Falls.

RESEARCH-INTENSIVE
McMaster has been named one of Canada's most research-intensive universities for the last five years.

STUDENT-CENTRED
The McMaster Method, a problem-based, student-centred approach to learning has been adopted worldwide.

Personalize Your Education

YOUR DEGREE, YOUR WAY!

At McMaster, we are proud to offer you many program options that you can combine to suit your needs and interests. Options include a degree with a single major or combined honours, accompanied by minors, certificates, and diplomas, among other possibilities! Such unique interdisciplinary minors available to any McMaster student include:

- Africa and Black Diaspora Studies
  aads.humanities.mcmaster.ca
- Community Engagement
  community.mcmaster.ca
- Latin American and Latinx Studies
  lanmu.mcmaster.ca
- Sustainability
  asp.mcmaster.ca

To learn more about these and other Interdisciplinary Minors at McMaster, search "Interdisciplinary Minors" in the Academic Calendar.

Hamilton,
ONTARIO

Everything you want and need is right here in our city's borders. Hamilton is a city where artists are celebrated at galleries and festivals, history is honoured through historic sites, museums and architecture, nature is preserved and enjoyed through gardens, trails, waterfalls, beaches and conservation areas, and memories are made at sporting events, local shops, and vibrant restaurants.

Hamilton, also known as the "City of Waterfalls", has a population of 785,184 making it one of the top 10 largest cities in Canada (Statistics Canada, 2021). We are part of the Golden Horseshoe, and less than an hour's drive from Toronto, Niagara Falls, Waterloo, Guelph, and the United States border.

Discover McMaster's Backyard:

Hamilton is home to 100+ waterfalls and situated along the Niagara Escarpment and Bruce Trail.
CityOfWaterFalls.ca

Supercrawl, an annual festival on James Street, showcases the cultural character of the street and city.
SuperCrawl.ca

Find a 320-hectare river-mouth marsh, glacial plateaus, 16 creeks and 25 kilometres of shoreline at Cootes Paradise.
CootesToEscarpmentPark.ca

With access from campus, the Royal Botanical Gardens features gardens, trails and nature sanctuaries.
rbg.ca

The Art Gallery of Hamilton is home to a variety of Canadian art and an impressive European collection.
ArtGalleryOfHamilton.com

FirstOntario Centre and Tim Hortons Field host spectacular concerts and sporting events.
CoreEntertainment.ca/FirstOntario-Centre
TiCats.ca

Residence

Welcome to Residence!

Residence life at McMaster offers many academic and social benefits through intentional programming focused on building a sense of community. Living in residence gives students the opportunity to connect with other first-year students, gain academic and social skills, while being supported by our live-in Community Advisors and professional Residence Life staff. Here at McMaster, we understand that learning can extend beyond the classroom. Supported by our student community advisors and professional residence life staff, living in residence gives students the opportunity to build relationships and gain life skills.

Residence Options

Our 13 residence buildings are located on our central campus within a five-minute walk to classes, athletic facilities, libraries and many dining options. We offer a variety of room types across two different styles of buildings – traditional and apartment/suite style.

Apartment and Suite Style

- A self-contained apartment or suite with kitchen or kitchenette, washroom and lounge area
- Each student has an individual bedroom within the apartment/suite
- Co-ed buildings
- Minimum of an "Apartment" meal plan required

Traditional Style

Single, double and quad rooms are available in a variety of layouts with private, shared or communal washroom options.

- Shared lounge and kitchen areas
- All-female building/floors available
- Traditional meal plan required

Floor plans and room layouts may vary.

74% of students will live in double rooms with a roommate.

Estimated Residence Costs

The residence fees below are based on 2023/24 fees and are determined by room type, not building. For 2024/25 residence fees, visit housing.mcmaster.ca/future-residents/residence-fees in March 2024.

Room Types	Cost
Quad Room (4-person traditional room)	$6,250
Triple Room (3-person traditional room)	$6,450
Double Room	$8,350
Double Room with Access to Single-User Washroom	$8,625
Double Room with Twin Bed and Connected Shared Washroom	$9,000
Double Room with Twin Bed and Ensuite Washroom	$9,000
Double Room with Double Bed and Connected Shared Washroom	$9,200
Double Room with Double Bed and Ensuite Washroom	$9,200
Single Room	$9,300
Single Room with Access to Single-User Washroom	$9,650
Apartment – 2-person (Double Room)	$9,750
Apartment – 4-/6-person (Single Room)	$9,750
Single Room with Twin Bed and Ensuite Washroom	$10,100
Single Room with Double Bed and Connected Shared Washroom	$10,200
Single Room with Double Bed and Ensuite Washroom	$10,200
Super-Single Room with Connected Shared Washroom	$10,400
Suite – 4-person (Single Room)	$10,500

Fees include your accommodation and internet access.
Fees are subject to change annually.

Interested in learning more about Residence? Scan the QR code or head to housing.mcmaster.ca

How to Apply

Check your eligibility criteria for residence, which is reviewed annually and will be confirmed in early-2024. You'll be notified of your residence status with your offer of admission. Our room self-selection process allows you to pick your room and building assignment. Don't miss the application deadline of June 3, 2024, at 4 p.m. EDT.

Living Learning Communities (LLC)

Join other students who share your interests and passions in our LLCs. Together, you can participate in exciting events, experiential learning opportunities, and support each other through your first year. For more information on our available LLCs, visit: **housing.mcmaster.ca/future-residents/living-learning-communities/**

Themed Buildings and Floors

Choose a themed residence that suits your lifestyle, such as our all-female, quiet, or substance-free buildings/floors.

Off-Campus Living

If you're considering your living options for university, you might be thinking about living at home and commuting or finding a rental near campus. It's worth noting that many upper-year students choose to live in local neighbourhoods, and even 40% of first-year students live off campus. Regardless of where you choose to live, McMaster University provides many services to ensure your university experience is complete. **As a full-time undergraduate student, you'll receive a Hamilton Street Railway (HSR) bus pass, valid for 12 months, included in your student fees, providing easy access to transportation around Hamilton.**

Mac Off-Campus Housing Listings

offcampus.mcmaster.ca

Find off-campus housing easily with the Mac Off-Campus Housing Listings website. Discover searchable rental listings conveniently located within a 10–15-minute walk from campus. Get tenant rights and responsibilities information, too.

McMatch

offcampus.mcmaster.ca/mcmatch

McMatch connects students seeking housemates for off-campus homes. Create a profile by answering questions about your living preferences. Search and sort other profiles based on compatibility.

Society of Off-Campus Students (SOCS)

mac-socs.ca

SOCS connects off-campus and commuter students to McMaster, giving them a voice on campus. They organize social and athletic activities like intramural sports, peer tutoring, dinners, dances, and themed events. With around 400 members annually, a small fee supports those activities.

Off-Campus Sample Rents

(Monthly, not including utilities)

- Rooms in a house $750
- Bachelor apartment $1,400
- One-bedroom apartment: $1,800
- Two-bedroom apartment: $2,100

Student Walk-Home Attendant Team

Stay safe at night with the Student Walk-Home Attendant Team (SWHAT). Volunteers provide friendly accompaniment for McMaster community members on and off campus from 7 p.m. to 1 a.m.

On-Campus Dining

Whether you are living in residence or off campus, finding a place to eat at McMaster is simple and convenient. With over 18 dining locations on campus, vegetarian/vegan choices, international food menus, nutritious options as well as quick snacks are offered to accommodate diverse student needs. Most food stations provide fresh, made-to-order selections.

Residence Meal Plans

All students in residence must purchase a meal plan. We offer four different meal plans to suit your lifestyle and eating habits. Each plan is available in either a Traditional or Apartment option, depending on your residence building assignment. Please visit hospitality.mcmaster.ca for details on meal plan policies.

2023/2024 Meal Plans

	Traditional	Apartment
A	$5,120	$3,200
B	$5,320	$3,400
C	$5,520	$3,600
D	$5,720	$3,800

Over 18 on-campus dining locations to choose from, offering a variety of cuisines to enjoy.

The meal card will act as a debit card, making food purchases simple and convenient. Swipe to purchase and the total will be deducted from the balance.

Choose from over 15 off-campus dining vendors, including Boston Pizza, Popeyes, Pita Pit, and more!

Food Allergies

We know food allergies can be life threatening and McMaster has established an aggressive and thorough approach to food allergies to ensure that students are well-informed of their options on campus.

SMPL

SMPL (pronounced "simple") is a food station on campus that offers lunch and dinner options prepared without Canada's common allergens:

- Milk
- Eggs
- Wheat
- Soy
- Sesame
- Mustard
- Shellfish
- Peanuts
- Tree nuts
- Gluten

Through separation of deliveries, more frequent sanitation and specially trained staff, we are able to minimize the risk of cross-contamination. There is a 28-day menu rotation that always includes two protein options (one being plant-based) and multiple sides that can be purchased as part of a combo or individually. Please contact Hospitality Services to discuss any special dietary accommodations.

Off-Campus Vendors*

- BarBurrito
- Boston Pizza
- Domino's
- Osmow's
- Pinks Burgers
- Pita Pit
- Pizza Pizza
- Popeye's

**Subject to change annually.*

For additional information on meal plans, dining facilities, daily and weekly menus, nutrition, dietary restrictions, hours of operation, etc., visit hospitality.mcmaster.ca or download our Mac Eats app.

Interested in learning more about our Hospitality offerings? Scan the QR code or head to hospitality.mcmaster.ca

Athletics & Recreation

Discover your passion for athletics and recreation at McMaster! Our state-of-the-art facilities, diverse programs, and welcoming community offer something for everyone.

Our facilities include the David Braley Athletic Centre, which is home to four gymnasiums with seven courts, three studios, three natural grass fields, three artificial soft-surface fields, a 50-metre pool, indoor & outdoor tracks, squash courts, an indoor climbing gym, a Mindfulness & Wellness Centre, and The Pulse, one of the largest university fitness centres in Canada.

All members of our community can participate in our **club teams**, including:

- Badminton
- Cheerleading
- Dance
- Figure Skating
- Gymnastics
- Ice Hockey
- Kung Fu
- Lifeguarding
- Synchronized Swimming
- Tae Kwon Do
- Ultimate Frisbee
- Women's Flag Football

Our **varsity teams** cover a wide range of sports, including:

- Badminton
- Baseball
- Basketball
- Cross-Country/Track
- Curling
- Fastpitch
- Fencing
- Field Hockey
- Figure Skating
- Football
- Golf
- Lacrosse
- Nordic Skiing
- Rowing
- Rugby
- Soccer
- Squash
- Swimming
- Tennis
- Volleyball
- Water Polo
- Wrestling

Interested in learning more about Athletics & Recreation? Scan the QR code or head to: marauders.ca

The Pulse Fitness Centre

The Pulse Fitness Centre is a state-of-the-art facility that offers everything you need to stay healthy and active, regardless of your fitness level or experience. Full-time undergraduate students (represented by the MSU) have free access to The Pulse. With cardio and strength-training equipment, multi-station areas, including specialty and functional pieces, fitness/cycling classes and a climbing & bouldering gym, there's something for everyone. The Pulse also features a women-only studio with female coaches and a supportive group fitness community that will motivate and encourage you to achieve your wellness goals.

Find Something That's Right for You

Our instructional programs offer 40+ classes per week, including yoga, ballet, karate, squash, Pilates, Latin dancing, fencing, swimming, lifesaving, first aid, hip-hop, ballroom dance, lyrical dance, and Muay Thai.

Intramural sports are open to everyone, with 20 sports, 50 leagues and tournaments, and 2,500+ games for all abilities. Our outdoor recreation program features canoeing, hiking, indoor and outdoor climbing, nature study, and a 50-foot Alpine Tower high-ropes course.

If you want to keep playing the sport you love without extensive time commitment, join one of our student-run and student-funded club teams. For elite student-athletes, our varsity sports teams compete at the highest level in more than 30 sports. We're also proud to be the largest employer of students on campus, spending more than $1 million a year on student salaries.

Try something new through McMaster Athletics & Recreation, and discover the joy of sports, recreation and healthy living! Visit marauders.ca for more information on try-outs and coaching contacts. Join us at McMaster Athletics & Recreation and discover the joy of sports and recreation!

Aid & Awards

We've made applying for Aid & Awards simple. Using AwardSpring, you can browse, be matched with and apply to opportunities you're eligible for, all in one place. Complete a personal profile telling us a little bit about yourself and we'll present opportunities that may be right for you. By-application entrance awards open in November. Please visit registrar.mcmaster.ca/aid-awards for the complete list of available Aid & Awards.

Automatic Entrance Awards

Automatic entrance awards are given to the top incoming students based on academic achievement. These awards will be open to both domestic and international applicants and will be calculated using the top six final grades in U/M courses (or equivalent), including those required for admission to the Level I program. Scholarship offers are based on your admission average at the time of your application. Any offers are conditional until we receive final grades, which may change your eligibility.

Students can only be eligible for either the Award of Excellence or faculty-specific achievement awards.

For information on the automatic entrance award values, please visit: registrar.mcmaster.ca/entrance-awards

The McMaster University Award of Excellence

This $3,000 award is granted to students with a final admission average in the top 10% of their faculty's incoming class.

2023/2024 Est. Top 10% Admission Avg. by Faculty

Faculty	Estimated Top 10% Admission Averages*
Arts & Science	99%+
DeGroote School of Business	95%+
Engineering	98%+
Health Sciences	99%+
Humanities	94%+
Science	98%+
Social Sciences	94%+

**The listed cut off percentages are estimated and subject to change, pending the calculation of all final admission averages.*

Faculty-Specific Achievement Awards

These awards, ranging from $1,000–$3,000 are granted to students with a high final admission average as determined by their Faculty.

Awards By-Application

Brighter World Awards

- Value: $5,000 (50 scholarships available).
- Eligibility: Must be a self-identified Black student applying for admission to a Level I program.

The Access Award

Up to $20,000 a year will be awarded to academically qualified students from equity-deserving groups in the Golden Horseshoe area. Recipients are also guaranteed one, full-time paid McMaster University work experience.

Access Award funding may go towards:

- Tuition
- Compulsory fees
- Books
- Equipment
- Living costs

Marjorie Anderson Financial Award

Two awards valued at $80,000 each, available to Indigenous students entering Level I.

Schulich Leader Scholarships

Up to $100,000 available for students entering programs in science, technology, engineering or math (STEM).

- Learn more at: schulichleaders.com

Application-Based Entrance Award

- 28 x $5,000 entrance award by application open to all faculties, totalling $140,000.

Entrance Bursaries

- Ranging from $1,000 to $4,000, based on financial need.

Plus, over $1,000,000 in faculty-specific entrance Aid & Awards

Scholarships for International Students

McMaster recognizes the academic achievement of outstanding students from around the world.

For more information on international scholarships, visit: registrar.mcmaster.ca/aid-awards

Over $8M distributed in entrance awards in 2022/23.

Approximate First-Year Expenses

Based on pricing for 2023/24	Living on Campus	Living off Campus	Living at Home	
			Commuter	Local
Tuition Fees*	$6,042.60	$6,042.60	$6,042.60	$6,042.60
Accommodation *(On-campus fee based on double-occupancy room)*	$8,350	$8,400**	$0	$0
Food (Meals) *(On-campus fee based on Meal Plan "A")*	$5,120	$3,600	$1,800	$1,800

**Tuition fees for a full course load, including all essential fees, range from approximately $6,000 to $12,500 for Canadian students and start at approximately $43,008.00 for international students.*
***Based on shared living expenses and a 12-month lease.*

Calculate the cost of your university experience via our cost estimator: future.mcmaster.ca/money-matters/cost-estimator

McMaster Work Program

Finding employment through the McMaster Work Program is a great way to offset university expenses while gaining practical work experience. Students who demonstrate financial need can apply for meaningful employment on campus year-round. Part-time positions are available during the fall and winter terms, while full-time and part-time roles are available over the summer.

- 110+ departments participate in work programs
- 1,600+ jobs available across campus

Jobs include:

- Research assistant
- Library support
- Website assistant
- Facility services/maintenance
- Personal trainers
- Fitness instructors, and more!

Bursaries

A bursary is a non-repayable grant intended to assist students in financial need with education-related expenses. Students apply through AwardSpring annually for the McMaster General Bursary Program and the McMaster Summer Bursary Program.

OSAP

The Ontario Student Assistance Program offers grants and loans to help pay for post-secondary education. Learn more about the program at: ontario.ca/osap

Interested in learning more about Aid & Awards? Scan the QR code or head to: registrar.mcmaster.ca/aid-awards

We Are Here to Support You!

We want you to succeed. From deciding that McMaster might be an option for you to crossing the stage at convocation, there are people in our community to help you along your way. The next few pages recognize some of the organizations in place that can lend a helping hand. When in doubt, join the Student Recruitment team via their live chat (future.mcmaster.ca) for further support.

Access Program

We recognize that students from historically under-represented groups face additional barriers to post-secondary education. The Access Program works with academically qualified students in Hamilton and surrounding communities to help navigate the application and admission process and provide support throughout their university journey.

Areas of support include:

- One-on-one check-in appointments
- Campus connections and navigation support
- Events and workshops with Access Program peers

Email access1@mcmaster.ca for more information.

Black Student Success Centre (BSSC)

The Black Student Success Centre is dedicated to supporting and championing the holistic (academic, personal, and professional) success and overall well-being of Black/African-descent students and fostering a positive Black student and athlete experience. The Centre is a safe space where students can meet, share, socialize and access specialized support and services.

Services and events include:

- Annual Signature Events: Black Student Welcome and Black Graduation Celebration
- Financial aid counselling, coaching and application support
- Wellness counselling and wrap-around supports via the Black student mentorship program

Visit blackstudentsuccess.mcmaster.ca for more information about services, appointments, and programs.

For inquiries and additional information: bss@mcmaster.ca

Indigenous Student Services

Indigenous Student Services provides support to Indigenous learners to meet their academic goals. We strive to promote safe spaces for Indigenous learners by removing barriers and providing wrap-around supports. On campus, we have a student lounge, outdoor courtyard, kitchen, and study space.

Services and events include:

- Transitional and cultural supports through Gaodadeihwahni:ya:s, Welcome Week activities, Indigenous graduation ceremony, and mentorship opportunities with students, staff, and Elders-in-Residence
- Providing access to Indigenous Health and Well-Being counselling and workshops
- Offering Indigenous scholarships and bursaries

Visit indigservices.mcmaster.ca for more information about services, appointments, and programs.

For inquiries and additional information, please email our recruitment email: issrec@mcmaster.ca

Student Services

McMaster Students Union (MSU)

The MSU is the largest student organization on campus and serves students in two main areas: political representation and the enhancement of student life. All full-time undergraduate students are members of the MSU.

MSU membership gives you access to many things, including:

- MSU health and dental insurance plans
- Involvement in over 300 clubs
- An unlimited-ride Hamilton Street Railway (HSR) bus pass

Visit msumcmaster.ca for more information.

Student Accessibility Services (SAS)

With an integrated support structure, Student Accessibility Services (SAS) provides compassionate, individualized services for students with disabilities, including facilitating academic supports and programming.

Services include:

- Personalized transition support to university
- Plan and provide academic accommodations
- Effective learning strategies and assistive technology support

Visit sas.mcmaster.ca for more information.

Student Success Centre (SSC)

At the Student Success Centre, our vision is for all students and alumni to thrive and succeed. We have dedicated services, programs, events and resources to support your success in university and beyond.

- First-Year Experience: Summer Transition Programs, Welcome Week
- Academic: Writing and Academic Skills
- Professional: Career Counselling, Job Search, Experiential Learning, Leadership Development and Global Opportunities
- Personal: Spiritual Care and Learning Centre, Career Access Professional Services, Financial Wellness

Visit studentsuccess.mcmaster.ca for more information.

SSC: International Student Experience

The International Student Experience team within the Student Success Centre offers a wide range of resources and services to help get you connected and keep you updated on important information throughout your time at McMaster.

Visit: studentsuccess.mcmaster.ca/international-students

Interested in learning more about Student Affairs? Scan the QR code or head to: studentaffairs.mcmaster.ca

SSC: Study and Research Abroad

The McMaster Exchange Program is the perfect complement to your McMaster degree and personal development. We have partnerships with more than 100 institutions around the world, offering a wide variety of class subjects, clubs and languages.

Some of the places you could go include:

- Australia
- China
- Denmark
- England
- France
- Germany
- Hong Kong
- Italy
- Jamaica
- Japan
- Singapore
- New Zealand

For complete details, including individual listings and eligibility, please visit: studentsuccess.mcmaster.ca/global-opportunities

Student Wellness Centre (SWC)

The Student Wellness Centre is the place on campus to address your wellness needs. We provide a range of counselling options, medical services and wellness programs so that you can get the most out of your McMaster experience, academically and personally!

Some of the services we provide:

- Counselling
- Medical care
- Health promotion

Visit wellness.mcmaster.ca for information about services, appointments and programs.

Arts & Science I

The Arts & Science Program offers a broad-based, interdisciplinary education, which bridges the divide between the arts and the sciences. The program has a unique, integrated core curriculum that emphasizes inquiry-based learning, social awareness, and the development of a wide range of transferable skills.

Degree Option

- Bachelor of Arts & Science (Honours)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- One of Advanced Functions 4U or Calculus & Vectors 4U
- Completion of four additional 4U/M courses, of which two must be at the 4U level

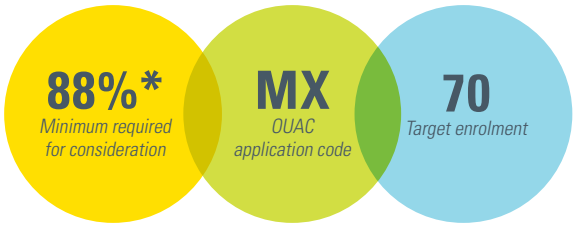
OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: February 1, 2024

Supplementary Application

artsci.mcmaster.ca/future-students/supplementary-application/

Admission to the Arts & Science Program is limited and by-selection only. All applicants are required to provide additional information on the Supplementary Application form to assist us in making decisions on admission to the program. The purpose of the Supplementary Application is to help us learn more about you, your ideas, interests, and activities.



**Minimum average required for consideration. Admission is by-selection.*

Why Choose Arts & Science at McMaster?

- Arts & Science provides an enriching, interdisciplinary learning environment where you will be exposed to multiple perspectives and develop essential skills while also feeling supported throughout your academic journey.
- Offers an integrated set of ARTSSCI courses that allow students to learn within and across a range of disciplines, plus the option of specializing and a great choice of elective courses.
- Small program size fosters close relationships among students, faculty, and staff.
- Highly regarded, productively challenging program, whose graduates succeed in a remarkable array of meaningful careers.

Future Careers

The majority of graduates work or pursue further education in a variety of fields, such as:

- Biochemistry
- Cultural studies
- Health policy
- Sustainability

Or enter professional or technical programs, such as:

- Dentistry
- Education
- Law
- Occupational therapy

Interested in learning more about Arts & Science I? Scan the QR code or head to: artsci.mcmaster.ca

First Year at a Glance

Total: 30 units Required: 24 units

First-year courses:

- Practices of Knowledge (ARTSSCI 1A03)
- Contemporary Indigenous Studies (ARTSSCI 1AA3)
- Writing (ARTSSCI 1B03)
- Argumentation (ARTSSCI 1BB3)
- Global Challenges Inquiry (ARTSSCI 1C06)
- Calculus (ARTSSCI 1D06)

For the remaining six units, students have the option of taking two half-year required science courses in first year (one each term) or postponing them to second year in order to take elective courses instead.

Beyond First Year

Arts & Science can be combined with 32 different subjects from across the University to achieve a combined honours with:

- Anthropology
- Biochemistry
- Biology
- Business
- Chemical Biology
- Chemistry
- Communication Studies
- Computer Science
- Economics
- English and Cultural Studies
- Environment & Society
- Environmental Sciences
- French
- Global Peace & Social Justice
- Greek & Roman Studies
- Health & Society
- History
- Indigenous Studies
- Integrated Arts
- Linguistics
- Mathematics
- Media Arts
- Molecular Biology and Genetics
- Music
- Philosophy
- Physics
- Political Science
- Psychology, Neuroscience & Behaviour (PNB)
- PNB (Music Cognition Specialization)
- Society, Culture & Religion
- Sociology
- Sustainable Chemistry

A one-of-a-kind program that stresses active, self-directed, and cooperative learning.

Small class and tutorial sizes promote lively interaction between professors and students.

Innovative and experiential learning opportunities such as the Common Reading Program, the New World of Work Forum, and the McMaster Discovery Program provide added value to your degree.

Inquiry

There are 20 different inquiry courses that focus on developing skills essential to the systematic, evidence-based investigation of public issues. Inquiry begins in first year with Global Challenges (ARTSSCI 1C06) and continues in upper years with courses such as:

- Coding Inquiry (ARTSSCI 3CO3)
- Research and Creative Writing (ARTSSCI 4CD3)
- How Science Speaks to Power (ARTSSCI 4CF3)
- Diversity and Human Rights Inquiry (ARTSSCI 4CI3)
- Medical Humanities Inquiry (ARTSSCI 4CT3)
- Digital Society and Public Policy (ARTSSCI 4DS3)
- Environmental Policy Inquiry (ARTSSCI 4EP3)
- Literature Inquiry (ARTSSCI 4LI3)

McMaster Exchange Program

Many students spend all or part of their third year studying abroad at a host institution through the MacAbroad Exchange Program. Students choose to study abroad for a variety of reasons, including language development, exposure to new cultures and perspectives, and unique courses offered only at certain institutions.

Students study in places such as: Australia, England, Denmark, France, Ireland, Japan, the Netherlands, New Zealand, and Singapore.

Business I

As a future Commerce student at DeGroote, you will be the agent of transformation in the years ahead, disrupting how we do business and significantly expanding DeGroote's contributions to Canadian society. With an emphasis on greater collaboration across faculties, experiential learning opportunities, and fostering a vibrant sense of community, the DeGroote School of Business will best prepare you for a future in an ever-evolving business landscape.

Degree Options

- Bachelor of Commerce
- Bachelor of Commerce (Honours)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U
- Calculus and Vectors 4U

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Optional Supplementary Application Deadline: February 1, 2024

Supplementary Application

degroote.mcmaster.ca/commerce/supp-app

We want to know more about you, your life and your interests, beyond academic achievement. Our Supplementary Application is a tool used to help with admissions decisions and to award our scholarships (up to $10,000) for overall excellence. We strongly encourage you to complete the Supplementary Application to enhance the strength of your application.

High-80s
Anticipated admission average

MB
OUAC application code

800
Target enrolment

First Year at a Glance

Total: 30 units Required: 24 units

First-year courses:

- DeGroote Student Experience and Development I (COMMERCE 1GR0 A/B)
- Introductory Financial Accounting (COMMERCE 1AA3)
- Organizational Behaviour (COMMERCE 1BA3)
- Business Data Analytics (COMMERCE 1DA3)
- Business Environment and Organization (COMMERCE 1E03)
- Introduction to Marketing (COMMERCE 1MA3)
- Introduction to Macroeconomics (ECON 1BB3)
- Introduction to Microeconomics (ECON 1B03)
- Applied Calculus (MATH 1MM3)

Electives: Six units

Beyond First Year

After completing your first two foundational years within the Commerce program, you will have the opportunity to choose an area of focus. By choosing an area of focus, you may begin to gear your course selection toward a specific sub-discipline within the area of business, or, continue learning about business broadly.

Areas of Focus include:

- Accounting
- Finance
- Human resource management
- Information systems
- Marketing
- Strategic management
- Operations management

Interested in learning more about Business I? Scan the QR code or head to: degroote.mcmaster.ca/commerce

Internship

Our innovative approach to business education and training begins in the classroom, where you learn the fundamentals. You can choose to enhance your education by applying for the internship program after the second year of your degree. Once you are admitted, DeGroote's Career and Professional Development team will support your search for an internship.

An internship gives you the unique opportunity to develop hands-on experience with an employer for a work term that lasts between 12 and 16 months. Internships begin anytime between May and September following your third year of studies.

The Honours Commerce with Internship pathway extends your degree program by one year and provides real-world experience, critical thinking skills, enhanced leadership qualities and business acumen, setting you up for success upon graduation.

Employers We Work With

- ArcelorMittal Dofasco
- Bank of America Merrill Lynch
- Celestica
- Contrans
- Cotiviti
- Dyson
- Ford
- KPMG
- L3Harris WESCAM
- Sanofi Pasteur
- Toronto Hydro
- Volvo Group

Sample Internship Schedule*

1st Year		2nd Year		3rd Year			4th Year		5th Year	
Fall	Winter	Fall	Winter	Fall	Winter	Spring/Summer	Fall	Winter	Fall	Winter

**Twelve-month internships begin in either May or September. Sixteen-month internships begin in May.*

Professional Designations

Your Commerce degree can give you get a head start in earning the following professional designations:

Chartered Financial Analyst (CFA): DeGroote is recognized by the CFA Institute for membership in its University Affiliation Program. You can obtain a solid grounding in the CFA Program Candidate Body of Knowledge (CBOK) and be well prepared to sit the CFA exams.

Chartered Professional Accountant (CPA): Courses are accredited by CPA Ontario. Completion of DeGroote's CPA accredited graduate diploma earns you advance standing toward the CPA designation.

Certified Human Resource Professional (CHRP): Courses are accredited by the Human Resources Professionals Association of Ontario and fulfil the academic requirements for the CHRP designation. These courses qualify you to write the CHRP Knowledge Exam.

Certified Financial Planner (CFP) & Qualified Associate Financial Planner (QAFP): The CFP certification is the world's most recognized financial planning designation. Several of our courses satisfy the academic requirements for QAFP and CFP certification.

AACSB Accredited: Only 5% of the business schools in the world attain this standard of excellence.

DeGroote partners with 17 top business schools from around the world for the International Exchange Program.

Students in our internship program make an average of $43,800 per year.

Preparing You to Succeed at University and Beyond

The workplace demands more than the academic knowledge obtained from core business courses. In response, DeGroote has developed the GR0 program. This program complements our curriculum and equips you with vital skills, such as creative problem-solving, critical thinking, and collaboration. Starting in first year, you are introduced to the various supports available to you during your time at DeGroote, as well as strategies for academic success, ensuring a successful transition to university and success in the Commerce program.

Why 1GR0 Is Great

Our student perspective:

"GR0 has been a consistent part of my experience at DeGroote and reminded me to focus on developing my tactical and soft skills, helping to understand my strengths and weaknesses. It also introduced me to clubs, networking opportunities, and workshops - many of which I looked into and participated in, making my McMaster experience not just about schoolwork."

Nicole Turner, BCom Level IV

INTEGRATED
Business & Humanities I

The Integrated Business and Humanities (IBH) program blends traditional business education with the critical thinking and communication skills of the Humanities. Designed to produce the next generation of Canadian business leaders with the skills to take on a new economy in a complex world, our program features a variety of learning opportunities through coursework and experiential activities.

Degree Option

- Bachelor of Commerce in Integrated Business and Humanities (Honours)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Calculus and Vectors 4U

OUAC Application Deadline: January 15, 2024

Supplementary Application Deadline: February 1, 2024

Supplementary Application

degroote.mcmaster.ca/ibh/supp-app

Once you apply, you are required to complete a recorded interview through Kira Talent, an online video platform.

The supplementary application allows us to gain a strong understanding of your business acumen, who you are, and how you could contribute to our tight-knit community. These interviews are a central feature of our admissions process.

88–92%
Anticipated admission average

MBH
OUAC application code

60
Target enrolment

Why Choose IBH at McMaster?

- IBH equips you with the knowledge and tools to deliver societal impact across for-profit, social enterprise, and non-profit organizations.
- IBH's approach provides you with the skills and knowledge to constructively engage with complex social challenges related to inequality and climate change.
- IBH's interdisciplinary program fosters the growth of 21st-century problem-solvers who recognize both the needs of individuals and businesses to generate shared value. For example, a Commerce graduate may ask, "What is the return on investment?" An IBH graduate asks the same question, but also asks, "What is the return to society?"
- The small cohort approach allows you to more intensely explore these challenging topics in a supportive environment.

First Year at a Glance

Total: 30 units Required: 30 units

Fall-term required courses:

- Financial Accounting (IBH 1AA3)
- Organizational Behaviour (IBH 1BA3)
- Insight and Inquiry: Questions to Change the World (IBH 1BB3)
- Fundamentals of Ethics (IBH 1BC3)
- Leadership Development – Self-Awareness (IBH 1LD0)
- Introductory Microeconomics (ECON 1B03)

Winter-term required courses:

- Perspectives on Canadian Business (IBH 1AB3)
- Introduction to Language and Society (IBH 1AC3)
- IBH in the Community (IBH 1AD3)
- Introduction to Peace Studies for IBH (IBH 1BD3)
- Introductory Macroeconomics (ECON 1BB3)

Interested in learning more about Integrated Business & Humanities I? Scan the QR code or head to: degroote.mcmaster.ca/ibh

Beyond First Year: The Four Pillars of IBH

Leadership

In first year, you go through a leadership assessment that will serve as a foundation for your leadership development. Throughout the four years of the program, you will receive coaching and participate in leadership workshops. In fourth year, you reflect on your leadership journey and think about the role leadership will have on your career path.

Community Engagement

You will complete field studies on a topic you are passionate about while interacting with businesses from the local community. Through a combination of experiential learning and research, you will gain an understanding of issues at the intersection of business and community.

Global Mindedness

A background in Humanities provides you with the skills and knowledge to recognize, understand, and constructively engage with complex social needs and diverse perspectives. With your background in Business, you will develop ways to solve those problems. In Global Business Experience, you will work with students in South Africa, assisting a local social entrepreneur.

Social Enterprise

You are introduced to and further explore the concept of social enterprise in your first and second year. In third and fourth year, you will take courses on social entrepreneurship, strategic management for for-profit and non-profit organizations, and a capstone on social enterprise.

IBH graduates have taken roles with Hamilton Health Sciences, Parkland Corporation, Make-a-Wish Canada, among others.

IBH experiences include leadership coaching, local community engagement, and extensive experiential learning.

IBH community partners include the Disability Justice Network of Ontario and the Hamilton Community Foundation.

Internship

Our innovative approach to business education and training begins in the classroom, where you learn the fundamentals. You can choose to enhance your education by applying for the internship program, which is available to both domestic and international students after the second year of your degree. Once you are admitted, DeGroote's Career and Professional Development team will support your search for an internship.

An internship gives you the unique opportunity to develop hands-on experience with an employer for a work term that lasts between 12 and 16 months. Internships begin anytime between May and September following your third year of studies.

The Honours IBH with Internship pathway extends your degree program by one year and provides real-world experience, critical-thinking skills, enhanced leadership qualities and business acumen, setting you up for success upon graduation.

Employers We Work With

- Apotex
- Celestica
- Dyson
- edsembli
- Hamilton Health Sciences
- Islamic Relief Canada
- KPMG
- Parkland Corporation
- Sanofi Pasteur

Sample Internship Schedule*

1st Year		2nd Year		3rd Year			4th Year		5th Year	
Fall	Winter	Fall	Winter	Fall	Winter	Spring/ Summer	Fall	Winter	Fall	Winter

**Twelve-month internships begin in either May or September. Sixteen-month internships begin in May.*

Future Careers

IBH graduates can pursue roles that transform business and society, such as:

- Communications specialist
- Director of community partnerships
- Entrepreneurial start-ups
- Financial or credit analyst
- Management consultant
- Manager, ESG
- Marketing and brand manager
- Sales and account manager
- Supply chain specialist
- Sustainability coordinator

Further Education

Some IBH graduates choose to pursue further education, including:

- Law School
- Master of Environment & Sustainability
- Master of Global Affairs and so much more

Bachelor of Technology

MPT: Automation Systems Engineering Technology
MAT: Automotive and Vehicle Engineering Technology
MTT: Biotechnology

The Bachelor of Technology (BTech) program positions you to be at the forefront of change in engineering industries. With a unique blend of theory and practice, students spend more than 750 hours in lab settings applying engineering principles to develop innovative technical solutions. Guided by industry advisory committees and taught by professors with relevant experience, each of the three BTech streams is geared to tackle technological change head-on.

Degree Option

- Bachelor of Technology (McMaster University), Advanced Technology Diploma & Business Management Certificate (Mohawk College)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Calculus & Vectors 4U
- Chemistry 4U
- Physics 4U

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET

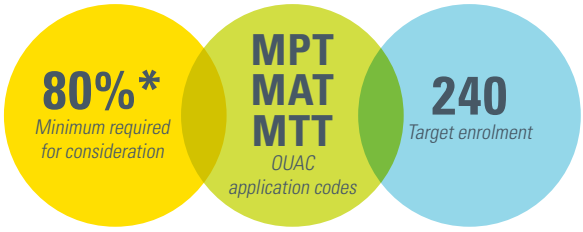
Engineering Scholarship Deadline: February 21, 2024

Supplementary Application*

eng.mcmaster.ca/supplementary-application

The supplementary application will consist of four questions (three video responses and one written response) and will take approximately 20 minutes to complete on an online platform called Kira Talent. The system allows for unlimited practice sessions, but once you start the formal interview questions, you only get one chance – that allows us to see your candid responses.

**Only one application is required if you are applying to more than one Faculty of Engineering program.*



**Minimum average required for consideration. Admission is by-selection.*

Why Choose BTech at McMaster?

- **Hands-on experience** – BTech graduates are versatile, innovative, and ready to hit the ground running in many evolving industries.
- **Co-op work** – The mandatory component of co-op allows students to gain meaningful work experience and make career connections.
- **Quality of facilities** – State-of-the-art labs and classrooms dedicated to BTech students in the Engineering Technology Building, McMaster Automotive Resource Centre and at Mohawk College.
- **Management advantage** – Take business management alongside technical courses for the best of both worlds.

Scholarships

eng.mcmaster.ca/scholarships

McMaster Engineering offers over $1,000,000 in entrance scholarships and research awards to incoming students. The best part? Only ONE application is required to be considered for all eligible awards. Every year, a select group of scholarship winners and other high-achieving students are offered a Research Experience Award as part of their offer of admission to the Faculty of Engineering.

- International applicants are eligible for our application-based entrance scholarships.
- Specialized awards for involvement in SHAD, FIRST Robotics and DECA, as well as awards for equity-deserving groups, including one from our National Society of Black Engineers McMaster Chapter.

Interested in learning more about the Bachelor of Technology programs? Scan the QR code or head to: **eng.mcmaster.ca/sept/btech**

First Year at a Glance

Total: 30 units Required: 30 units

First-year courses:

- Chemistry (ENGTECH 1CH3)
- Electricity and Electronics I (ENGTECH 1EL3)
- Foundations of Business (GENTECH 1BZ3)
- Mathematics I (ENGTECH 1MC3)
- Mathematics II (ENGTECH 1MT3)
- Physics (ENGTECH 1PH3)
- Professional Communications (GENTECH 1PC3)
- Plus, nine units from the course list of the chosen stream

Automation Systems Engineering Technology

The Automation Systems Engineering program prepares students to build complex electronic systems that create solutions to everyday problems. By teaching skills from the fields of chemical, mechanical, electrical, and computer engineering, graduates can easily transition between industries. From robotics to food processing – wherever you might find an automatic system that uses sensors, instruments, actuators, and networks – you will find a role suitable for a skilled automation specialist.

First-year courses:

- Analytical Chemistry (ENGTECH 1AC3)
- Object-Oriented Programming (ENGTECH 1PR3)
- C++ Programming (ENGTECH 1CP3)

Where will you go?

- Implement automation systems.
- Design control systems & assembly lines.
- Develop and program robotic applications.
- Advise on safety policies.

Top co-op employers

- RBC
- Linamar Corporation
- PepsiCo
- Advanced Micro Devices

Automotive and Vehicle Engineering Technology

The Automotive and Vehicle Engineering Technology program teaches students to make vehicles safer, faster, cleaner and more sustainable. Students are taught with a systems perspective, blending various engineering disciplines, such as mechanical, electrical, computer science, mechatronics and materials. Students develop hands-on skills on 3D CAD modelling, robot programming, controller tuning, electric/hybrid vehicle design, vibration control, troubleshooting and manufacturing.

First-year courses:

- Statics and Mechanics of Materials (ENGTECH 1ME3)
- Object-Oriented Programming (ENGTECH 1PR3)
- C++ Programming (ENGTECH 1CP3)

Where will you go?

- Develop hybrid and green vehicle tech.
- Design power and control systems.
- Perform complex analysis on mechanical components, assemblies and systems.

Top co-op employers

- General Motors
- Ford
- Honda
- Magna

Biotechnology

Biotechnology is an interdisciplinary field, merging life science, applied science, and engineering. Study genetic engineering; cell biology, molecular biology, and microbiology; analytical instrumentation; and, bioprocessing. Students learn about the latest research in immunology, virology, genomics, proteomics, and bioinformatics. With the combination of theoretical foundation and lab experience, you will be prepared for success in areas in genetic engineering and bioprocessing.

First-year courses:

- Analytical Chemistry (ENGTECH 1AC3)
- Biology (ENGTECH 1BI3)
- Python Programming (ENGTECH 1PP3)

Where will you go?

- Work in bio-fuel, food and pharmaceutical industries.
- Monitor quality control and assurance of biomaterials and bioproducts.

Top co-op employers

- Estée Lauder
- Roche
- Sanofi Pasteur
- Bunge

The BTech Advantage

- Twelve months of required co-op allows students to hit the ground running in their career after graduation.
- BTech students can complete co-op anywhere in the world.

Typical Co-Op Schedule**

1st Year			2nd Year			3rd Year			4th Year			5th Year		
Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer

***Other program structures possible, depending on co-op position length. A total of 12 months of co-op is required to graduate.*

Computer Science I
& COMPUTER SCIENCE I (CO-OP)

Computer Science takes theory and brings it to life in practical applications. Honours Computer Science is a direct-entry four-year program where students learn programming, software design, systems and theoretical foundations. In five practice and experience courses, the emphasis at McMaster is on lab-based exploration and discovery, including expanded coverage of practical topics such as profiling and tuning, and foundational topics such as operating systems and compilers.

Degree Option

- Bachelor of Applied Science (BASc)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Calculus & Vectors 4U
- Two of: Biology, Chemistry, Physics, Earth & Space Science, Computer Science, Computer Engineering Technology

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET

Engineering Scholarship Deadline: February 21, 2024

Supplementary Application*

eng.mcmaster.ca/supplementary-application

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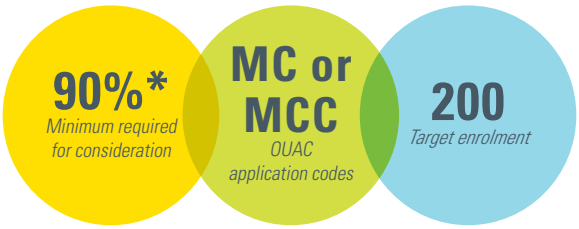


**Minimum average required for consideration. Admission is by-selection.*

Why Choose Computer Science at McMaster?

- **Strong academics** – Comprehensive focus on programming, software design, systems, and theory.
- **Bright future** – Our students become skilled systems analysts, database specialists, software developers, and system administrators.
- **Experiential learning** – Our students take theoretical foundations and bring it all to life in practical applications.

Scholarships

eng.mcmaster.ca/scholarships

McMaster Engineering offers over $1,000,000 in entrance scholarships and research awards to incoming students. The best part? Only ONE application is required to be considered for all eligible awards. Every year, a select group of scholarship winners and other high-achieving students are offered a Research Experience Award as part of their offer of admission to the Faculty of Engineering.

- International applicants are eligible for our application-based entrance scholarships.
- Specialized awards for involvement in SHAD, FIRST Robotics and DECA, as well as awards for equity-deserving groups, including one from our National Society of Black Engineers McMaster Chapter.

Interested in learning more about Computer Science I? Scan the QR code or head to:
eng.mcmaster.ca/computer-science-1

First Year at a Glance

Total: 30 units Required: 24 units

First-year courses:

- Discrete Mathematics for Computer Science (COMPSCI 1DM3)
- Introduction to Computational Thinking (COMPSCI 1JC3)
- Introduction to Programming (COMPSCI 1MD3)
- Computer Science Practice and Experience: Development Basics (COMPSCI 1XC3)
- Computer Science Practice and Experience: Introduction to Software Design Using Web Programming (COMPSCI 1XD3)
- Linear Algebra (MATH 1B03)
- Engineering Mathematics I (MATH 1ZA3)
- Engineering Mathematics II-A (MATH 1ZB3)

Electives: Six units

Approximately 25% (30 units) of your Computer Science degree is open electives, with means completing a minor in another field is very possible with proper planning. From sustainability to innovation, there are more than 50 options to choose from!

Notable employers from co-op work terms: Amazon, Shopify, Proctor & Gamble, Microsoft, and Tesla.

Ranked among top 100 in North America for Computer Science degree (2023 Times Higher Education Rankings).

92% of first-year computer science students participated in co-op (2022/23).

Co-Op and Future Careers

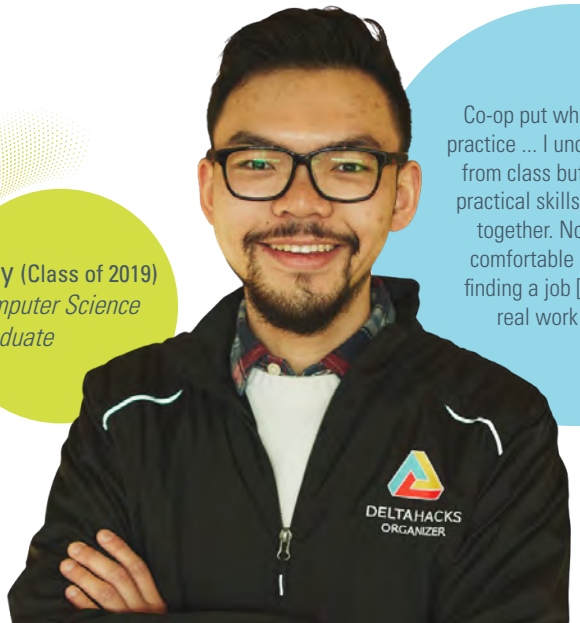
- Our approach to the Computer Science program ensures that students understand the core fundamentals, which provides a key long-term advantage in the evolving job market.
- The program includes a flexible co-op option.
  - More than two-thirds of students graduate with co-op.
- Over 2,600 Faculty of Engineering students complete co-op each year around the world.
- Co-op students complete a minimum of 12 months of work experience through a combination of four-, eight-, 12-, or 16-month co-op work terms.
  - 55% of co-op work terms are eight to 16 months long.

Future careers:

- App developers
- Chief information officers
- Database developers
- Data scientists and programmers
- Information security analysts
- Systems analysts

Top co-op employers:

- Advanced Micro Devices
- Ericsson Canada
- Evertz Microsystems
- Geotab
- IBM
- Synopsys Canada



Troy (Class of 2019)
Computer Science Graduate

Co-op put what I learned into practice ... I understood concepts from class but didn't have the practical skills. Co-op put them together. Now, I feel more comfortable graduating and finding a job [because] I have real work experience.

Engineering I
& ENGINEERING I (CO-OP)

At McMaster Engineering, we offer you more than a best-in-class degree. We offer experiences that help create global-ready, socially aware citizens through project-based classes, flexible co-op work terms, research opportunities and dozens of clubs and teams. You define your experience. We'll help you get there.

Degree Options

- Bachelor of Engineering (BEng)
- Bachelor of Engineering and Management (BEng Mgt)
- Bachelor of Engineering and Society (BEng Society)
- Bachelor of Engineering and Biosciences (BEng Biosci)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Calculus & Vectors 4U
- Chemistry 4U
- Physics 4U

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET

Engineering Scholarship Deadline: February 21, 2024

Supplementary Application*

eng.mcmaster.ca/supplementary-application

The supplementary application will consist of four questions (three video responses and one written response) and will take approximately 20 minutes to complete on an online platform called Kira Talent. The system allows for unlimited practice sessions, but once you start the formal interview questions, you only get one chance – that allows us to see your candid responses.

**Only one application is required if you are applying to more than one Faculty of Engineering program.*

87%*
Minimum required for consideration

ME or MEC
OUAC application codes

900
Target enrolment

**Minimum average required for consideration. Admission is by-selection.*

Why Choose Engineering at McMaster?

- **Highly ranked programs** – Seven McMaster Engineering academic disciplines are ranked among the best in the world (QS Subject Rankings, updated as of June 15, 2022).
- **Customizable co-op** – Flexible co-op program that allows you to design your own degree.
- **Community** – Seventy clubs, teams and societies come together as one #FireballFamily to learn through cooperation, not competition.
- **Diversity** – We believe that engineering is for everyone. In the Fall 2022 term, female students accounted for more than 40% of our incoming class.

Scholarships

eng.mcmaster.ca/scholarships

McMaster Engineering offers over $1,000,000 in entrance scholarships and research awards to incoming students. The best part? Only ONE application is required to be considered for all eligible awards. Every year, a select group of scholarship winners and other high-achieving students are offered a Research Experience Award as part of their offer of admission to the Faculty of Engineering.

- International applicants are eligible for our application-based entrance scholarships.
- Specialized awards for involvement in SHAD, FIRST Robotics and DECA, as well as awards for equity-deserving groups, including one from our National Society of Black Engineers McMaster Chapter.

Interested in learning more about Engineering I? Scan the QR code or head to: eng.mcmaster.ca/future

First Year at a Glance

Total: 37 units Required: 31 units

First-year courses:

- General Chemistry for Engineering I (CHEM 1E03)
- Engineering Mathematics (MATH 1ZA3, MATH 1ZB3, MATH 1ZC3)
- Introductory Mechanics (PHYSICS 1D03)
- Waves, Electricity and Magnetic Fields (PHYSICS 1E03)
- Integrated Cornerstone Design Projects in Engineering (ENGINEER 1P13 A/B)
  - Through a full-year project-based learning experience course that covers engineering design and graphics, programming, professional engineering practice, and structure and properties of materials.
  - Students are exposed to a series of design projects that will develop both technical and professional skills. Find out more at: eng.mcmaster.ca/1P13

Electives: Six units of approved complementary studies electives.

How Does Upper-Level Selection Work?

1. Complete your Engineering I common first-year requirements and rank your upper-level discipline choices.
2. Selection will be based on Year 1 academic success to fill available seats in the upper-level disciplines. If you have received Free Choice with your offer, you will be guaranteed your first choice, if you have met your first-year requirements.
3. Free Choice is offered to students who have received a mid- to high-90s average. The exact cut-off changes year to year, becoming available in March.

Your Co-Op, Your Way!

How it works:

Your professional career starts in your first year with an introductory non-credit co-op course.

Throughout the year, a team of 28 staff from the Engineering Co-Op and Career Services office connect with more than 1,000 employers, bringing them directly to you through over 300 virtual and in-person workshops and events annually. We also work with you to help navigate the job search, application, interview and offer process.

- Beginning as early as the summer after your first year, you can begin completing four-month co-op positions.
- After your third year, you'll have the option to complete longer, more immersive eight-, 12- or 16-month positions.
- Twelve months of co-op is needed to graduate with the designation on your degree, but you can gain up to 28 months of work experience before graduating.

2nd-largest co-op program in Ontario.

7,000+ job opportunities available to students from over 600 companies.

89% of first-year Eng I students enrolled in the co-op program (2021/22).

Level II Program Options

Chemical Engineering eng.mcmaster.ca/chemeng

Chemical Engineering involves developing efficient, cost-effective and socially responsible processes that convert chemical components and energy into higher-value products. By taking on grand challenges such as developing access to clean and sustainable energy, providing communities with clean and reliable water, or improving the yield and reliability of the agriculture sector, chemical engineers continue to play a vital role in the development and growth of modern society. Chemical engineers are involved in every step of the consumer supply chain, from the extraction and processing of raw materials that are taken for granted in everyday life to the production of finished commercial products.

Where will you go?

- Energy production
- Pharmaceuticals
- Biomedical enhancement

Top co-op employers

- Imperial Oil
- Sanofi Pasteur
- Suez Water Technologies

Civil Engineering eng.mcmaster.ca/civil

Civil Engineering requires a sense of curiosity and the ability to not just look at the world around you, but to develop ways to improve it. Civil engineers plan for and safely design, construct, maintain and rehabilitate communities. Using the latest technology to design and construct facilities that are critical to our society, including buildings, bridges, roads, water and wastewater systems, civil engineers collaborate to build a better, more sustainable future.

Where will you go?
- Constructing innovative and resilient infrastructure
- Sustainability and intelligent energy systems
- Transportation and smarter mobility

Top co-op employers
- Aecon Group
- Hatch Ltd.
- Ministry of Transportation

Computer Engineering eng.mcmaster.ca/ece

Computer Engineering makes our world more connected, more intelligent, and even healthier by applying advances in electronics and software to develop devices and systems. Our program encompasses computer hardware, programming, electronics, multimedia, augmented and virtual reality, signal processing, robotics, cyberspace, hardware and software for machine learning, and more.

Where will you go?
- Computer systems and networking
- Hardware design
- Autonomous vehicles and machine learning

Top co-op employers
- Advanced Micro Devices
- CIBC
- Evertz Microsystems Ltd.

Electrical Engineering eng.mcmaster.ca/ece

Electrical Engineering involves the design of devices and systems that employ the flow of electrons to make the world more connected. Our program encompasses electrical power generation and distribution, electrified and autonomous vehicles, robots and drones, electronics, wired and wireless communications, optoelectronics, signal processing, computers, radar and lidar, medical devices and imaging, and many other technologies that are changing our world for the better.

Where will you go?
- Power and renewable energy
- Electrified transportation
- Biomedical electronics

Top co-op employers
- Advanced Micro Devices Inc.
- General Motors
- Hydro One

Engineering Physics eng.mcmaster.ca/engphys

Push the envelope of new technologies to solve challenges both recognized and undetected. Engineering Physics is an interdisciplinary field of study where new and advanced materials, devices, and systems are engineered based on our fundamental understanding of physics.

Where will you go?
- Nano- and micro-device engineering
- Nuclear engineering
- Biomedical engineering

Top co-op employers
- Ontario Power Generation
- L3Harris
- Bruce Power

Materials Engineering eng.mcmaster.ca/materials

Materials Engineering uses innovation, design, and problem-solving to develop novel materials. This field of study also characterizes the mechanical, physical and chemical properties of materials to create reliable, sustainable and efficient alternatives. This program focuses on biomaterials, data analytics, computational materials, materials for manufacturing and infrastructure, and smart materials and devices.

Where will you go?
- Automotive and aerospace
- Energy production
- Manufacturing and infrastructure

Top co-op employers
- ArcelorMittal Dofasco
- General Motors
- Bombardier

Mechanical Engineering eng.mcmaster.ca/mech

Mechanical engineers collaborate in interdisciplinary teams, using the principles of physics and mathematics to conceive, research, design, manufacture, test, control, and maintain a wide variety of mechanical systems. Those systems include vehicles, airplanes, power plants, biomechanical implants, human assistive devices and renewable "green" energy systems.

Where will you go?
- Biomechanics
- Renewable energy
- Advanced manufacturing in automotive and aerospace industries

Top co-op employers
- Stackpole International
- Bombardier
- Loblaw Companies Ltd.

Mechatronics Engineering eng.mcmaster.ca/cas

Mechatronics Engineering is the study of computer-controlled electromechanical devices, such as robots or cars. It is a highly interdisciplinary field that integrates electrical engineering, mechanical engineering, software engineering, and systems control. Mechatronics engineers have the requisite academic background and training to design and lead the development of sophisticated electromechanical devices.

Where will you go?
- Robotics and automation
- Electro-mechanical design and devices
- Embedded control systems

Top co-op employers
- L3HARRIS
- Advanced Micro Devices
- IBM Canada

Software Engineering eng.mcmaster.ca/cas

Software Engineering is all around us. Computing is used to solve problems, manage information, create smart products, explore our world, and connect with communities. It provides the means to control hardware with extraordinary power and flexibility. Software engineers use engineering principles to design, implement, test, maintain computer programs and are ultimately responsible for the quality of the final product.

Where will you go?
- Computer system and software development
- Power systems
- Programming

Top co-op employers
- Intel Security
- Microsoft
- Evertz Microsystems Ltd.

Five-Year Program Options

Chemical Engineering & Bioengineering eng.mcmaster.ca/chemeng

This program is a unique five-year program that combines the core Chemical Engineering undergraduate curriculum with courses from biological sciences and bioengineering fields. Students in this program will be uniquely positioned to contribute to the biotechnology and bioengineering industry.

Engineering & Management eng.mcmaster.ca/engineering-management-program/

The Engineering & Management program is a prestigious five-year program designed to provide engineering students with a deeper understanding of the business, project management, and leadership skills needed to thrive in a corporate or entrepreneurial environment.

- Students learn to develop creative solutions for complex industry problems within interdisciplinary teams.
- Exclusive opportunities where students can leverage skills acquired in the classroom to solve cases that replicate industry expectations and timelines.
- Eligible for an accelerated MBA.

Engineering & Society eng.mcmaster.ca/engineering-society-program/

The Engineering & Society program is the only program of its kind in North America to combine a traditional engineering education with a broader university experience. This five-year program is designed to develop creative, inquisitive, well-rounded, and thoughtful engineers.

- Core courses examine the complex interactions between technology, society and the environment through inquiry-based learning.
- Focused electives let students pursue a field of study that complements their degree, allowing students to complete a minor in a variety of subjects, including sustainability and innovation.
- This program develops engineers with strong communication, critical thinking, and teamwork skills that prepare them to solve open-ended problems they will encounter when working in industry.

I chose McMaster University because it is ranked among the top 100 institutions globally. In the first year, we have the opportunity to explore various aspects of engineering, allowing us to discover our interests and strengths.

Shabab
Electrical Engineering

INTEGRATED Biomedical Engineering & Health Sciences I

We've fused our top-ranked health sciences and engineering programs to deliver a unique project-based learning experience that is second to none. It's the only program of its kind in Canada, and students will work in teams to design solutions to real-world healthcare problems while building prototypes, learning to pitch, and testing designs with real clients.

Degree Options

- 5-year Bachelor of Engineering and Biomedical Engineering (BEng BME)
- 4-year Bachelor of Health Sciences (Honours), Health, Engineering Science and Entrepreneurship (HESE) Specialization (BHSc (Honours))

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Calculus & Vectors 4U
- Physics 4U
- Biology 4U
- Chemistry 4U

+90%* *Minimum required for consideration*

MEH or MEI *OUAC application codes*

155 *Target enrolment*

**Minimum average required for consideration. Admission is by-selection.*

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET

Engineering Scholarship Deadline: February 21, 2024

Supplementary Application*

eng.mcmaster.ca/supplementary-application

The supplementary application will consist of four questions (three video responses and one written response) and will take approximately 20 minutes to complete on an online platform called Kira Talent. The system allows for unlimited practice sessions, but once you start the formal interview questions, you only get one chance – that allows us to see your candid responses.

**Only one application is required if you are applying to more than one Faculty of Engineering program.*

Why Choose iBioMed at McMaster?

- The only Health Sciences program in Canada in health, engineering science and entrepreneurship.
- Cross-disciplinary collaborations among classmates.
- Flexible co-op options.
- iBioMed's state-of-the-art facilities, including the iBioMed Design Studio, Genetic Engineering & Tissue Lab, and the Imaging & Instrumentation Lab.

Scholarships

eng.mcmaster.ca/scholarships

McMaster Engineering offers over $1,000,000 in entrance scholarships and research awards to incoming students. The best part? Only ONE application is required to be considered for all eligible awards. Every year, a select group of scholarship winners and other high-achieving students are offered a Research Experience Award as part of their offer of admission to the Faculty of Engineering.

- International applicants are eligible for our application-based entrance scholarships.
- Specialized awards for involvement in SHAD, FIRST Robotics and DECA, as well as awards for equity-deserving groups, including one from our National Society of Black Engineers McMaster Chapter.

Interested in learning more about Integrated Biomedical Engineering & Health Sciences I? Scan the QR code or head to: ibiomed.mcmaster.ca

First Year at a Glance

Total: 37 units Required: 34 units

First-year courses:

- Health Solutions Design Projects I: Introduction to Engineering Fundamentals and Design (IBEHS 1P10 A/B)
- General Chemistry (CHEM 1E03)
- Engineering Mathematics I (MATH 1ZA3, MATH 1ZB3, MATH 1ZC3)
- Entrepreneurship in Biomedical Innovation: From Bench to Market (IBEHS 1EP6 A/B)
- Introductory Mechanics (PHYSICS 1D03)
- Waves, Electricity and Magnetic Fields (PHYSICS 1E03)

Electives: Three units of approved complementary studies electives.

Level II Program Options

Health, Engineering Science and Entrepreneurship (HESE)

HESE is a four-year program where students are required to complete core project and design-based courses from the iBioMed program in addition to courses that integrate Business and Engineering. Examples of core HESE courses include IBEHS 1EP6 – Entrepreneurship in Biomedical Innovation: From Bench to Market, a project-based course where students explore key concepts in cellular and molecular biology with clinical developments and business perspectives. In IBEHS 4EE6 – Innovators in Scrubs, HESE students receive hands-on experience during clinical placements.

Biomedical Engineering

The Biomedical Engineering program is a five-year program where students will choose one of eight engineering streams (Chemical, Civil, Electrical, Engineering Physics, Materials, Mechanical, Mechatronics or Software). Students are required to complete core engineering courses related to their chosen stream, in addition to project- and design-based courses from the iBioMed program.

Second-Year Program Selection

- Students will complete the Integrated Biomedical Engineering & Health Sciences common first-year requirements and rank their upper-level discipline choices:
  - Bachelor of Engineering and Biomedical Engineering (BEngBME) – 105 spaces.
  - Bachelor of Health Sciences (Honours), Health, Engineering Science and Entrepreneurship (HESE) Specialization (BHSc Honours) – 50 spaces.
- As enrolment is limited in each of the two degree options, where there is more demand than spaces, the competition will be based on first-year academic achievement.
- All students who successfully complete the first year of the program will have a space in one of the two degree options.

Notable employers from co-op work terms: Sanofi, Tesla, L3Harris, Apotex and The Hospital for Sick Children.

Ranked 1st in Quality of Interactions – First Year (National Survey of Student Engagement 2020 – U15).

84% of first-year iBioMed students participated in co-op (2022/23).

Cooperative Education: Gain Practical Experience

iBioMed students start innovating from year one, making them ideal co-op students and strong future business leaders. They'll learn to lead teams, drive projects forward and tackle challenges with confidence. Complete co-op in four-, eight-, 12- or 16-month term lengths. In 2021/22, 233 iBioMed students received co-op placements across several industries, ranging from education, government, healthcare, and financial institutions. Examples of job titles include Forensic Services Technologist, Laboratory Assistant, Application Developer, and Research and Development Intern.

Future Careers:

- Biomedical engineering, biotechnology, health and biomedical science.
- Start their own companies or innovate within existing organizations.
- Explore further studies in graduate research, professional health science careers or medicine.
- Pursue an accelerated master's in a Biomedical Engineering program.

BACHELOR OF
Health Sciences (Honours)

The Bachelor of Health Sciences (Honours) Program has a unique interdisciplinary approach to the study of health, wellness and illness from biological, social, policy, and population-based perspectives. Our curriculum aims to build the capacities that students need to become transformative leaders in health, from research to healthcare to health policy and beyond.

Degree Option

- Bachelor of Health Sciences (Honours)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Biology 4U
- Chemistry 4U
- One of Advanced Functions 4U, Calculus & Vectors 4U or Data Management 4U
- One non-math/non-science/ non-technology 4U or 4M credit

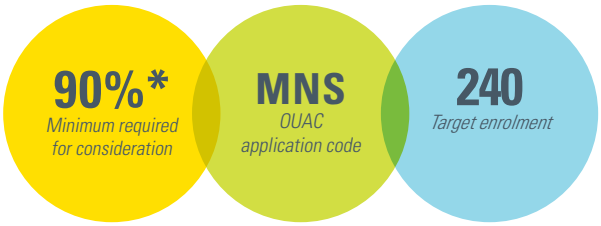
OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Due: mid-February 2024

Supplementary Application

bhsc.mcmaster.ca

- The supplementary application is an opportunity for you to demonstrate capacities that are not readily apparent from grades alone, share your experiences, thought processes, and other things you would like us to know and understand about you.
- Supplementary application questions are posted on our website by mid-September. Applicants to the program will receive an email in late-January with detailed instructions for logging in to the online system to submit their supplementary applications, which must be submitted by mid-February. Admissions decisions for the BHSc (Hons) Program are made in early-May.



**Minimum average required for consideration. Admission is by-selection.*

Why Choose Health Sciences at McMaster?

- Our interdisciplinary curriculum integrates insights from many domains of health to provide students with a broad literacy in foundational health disciplines. Students have opportunities to learn from and work with instructors and supervisors drawn from the full range of departments in the Faculty of Health Sciences, along with community partners and experts.

First Year at a Glance

Total: 30 units Required: 21 units

First-year courses:

- Cellular and Molecular Biology (HTHSCI 1I06 A/B)
- Introductory Chemistry I & II (CHEM 1A03, CHEM 1AA3)
- Inquiry I: Introduction (HTHSCI 1E06 A/B)
- Interdisciplinary Questions in Health (HTHSCI 1G02)
- Praxis Pathways Curriculum 1 (HTHSCI 1X01 A/B)
- Introduction to Health and Safety (WHMIS 1A00)
- Three half-year elective courses

Electives: Nine units

Future Careers

Our graduates are a diverse group and find success in a variety of fields:

- Health research
- Health professions
- Health policy, law, consulting, global health, MBA, advocacy
- Public health, health promotion, community health, health administration

Interested in learning more about the Bachelor of Health Sciences (Honours) Program? Scan the QR code or head to: bhsc.mcmaster.ca

Beyond First Year

Developing Foundations in Key Health Disciplines

All BHSc (Hons) Students take courses to develop their foundational knowledge in core health disciplines, including biochemistry, cell biology, health systems and policy, epidemiology, anatomy and physiology, and critical appraisal.

Customize Your Degree

The curriculum in the BHSc (Honours) Program offers considerable flexibility, allowing students to explore a broad range of interests in different disciplines, or to cultivate an area of specific focus. With plenty of elective space, students in the BHSc (Honours) Program have the opportunity to personalize their degree.

1:18 ratio of facilitators to students in first year inquiry.

Excellent preparation for a diverse range of careers in health.

47.5% elective space allows students to customize their degree.

Carve Out a Niche

Students can pursue specializations, concurrent certificates, and minors in a wide variety of areas if they want to develop a focus. There are tons of possibilities, including:

- **Child Health** (specialization)
- **Globalization Health** (Interdisciplinary Minor in Globalization Studies)
- **Biomedical Sciences** (concurrent certificate)
- **Immunology, Microbiology, & Virology** (concurrent certificate)
- **Rehabilitation Sciences** (concurrent certificate)

Check out McMaster's Academic Calendar to explore the dozens of minors and concurrent certificates you can pursue.

Unique Elective Course Offerings

Some exciting courses offered in the BHSc (Honours) Program include:

- Sex, Gender & Health
- Music, Health & the Community
- Global Health Advocacy
- Indigenous Health
- Dance in Health & Wellness
- Science of Fictional Characters
- Health Ventures
- Racism & Health

For a more complete listing of our diverse array of BHSc courses, visit: bhsc.mcmaster.ca/course-outline/

Research Opportunities

Bachelor of Health Sciences offers students the chance to be involved in innovative, in-depth research with real-world applications. All BHSc students take project- and thesis-based courses that allow students to participate in research at the undergraduate level. Here's just a sampling of research projects third- and fourth-year students have completed in recent years:

- COVID-19 and glycemic control in children living with disabilities
- Examining the effect of female sex hormones on susceptibility to HSV-2
- Adaptation of the JoyPop app to support Indigenous youth mental wellness
- The dual role of reactive astrocytes in multiple sclerosis
- The under-representation of skin of colour in dermatology education
- Testing the efficacy of augmented reality in anatomical education

Interest in learning more about our research? Visit: bhsc.mcmaster.ca/about/research

Inquiry: Educating for Capability

In the information age, it's crucial to have the abilities to identify a problem, frame and refine good questions, locate information and critically evaluate it. We make use of inquiry and problem-based learning approaches to facilitate the development of the skills students need to tackle challenging problems collaboratively and creatively. The inquiry learning model used in BHSc emphasizes skill development, such as time management, capacities for effective communication, the ability to give and receive feedback, self-reflection, self-assessment and group work - all of which are valuable skills transferable to a wide array of professional contexts, while simultaneously developing foundational knowledge in the health sciences disciplines.

Upper-Year Programs

The Faculty of Health Sciences offers a wide variety of Upper-Year Undergraduate Programs that provide a pathway to a diverse range of careers in health. These programs, listed below, offer entry beginning at the Level II or Level III academic stage. Each program has its own unique admission requirements with detailed information available on the Faculty of Health Sciences website: healthsci.mcmaster.ca/education-admissions

Biochemistry and Biomedical Sciences biochem.healthsci.mcmaster.ca/undergraduate

Biochemistry is the study of the chemical and molecular basis of life, seeking to describe and understand the structure, function, and organization of living matter in molecular terms. Our students and faculty probe chemical and biological processes, leveraging the knowledge for the development of innovative therapies to combat some of the world's most pressing health challenges. At McMaster, students gain research and lab experience at every level of the program, working with world-leading faculty in infectious disease research, drug discovery, metabolism, cancer biology, and more.

Admission requirements

- Biochemistry is a Level II entry program.
- The courses required to apply are most commonly completed by students currently enrolled in a Level I Science program or a Bachelor of Health Sciences program.
- Detailed admission requirements are available on the Biochemistry program website.

Biomedical Discovery and Commercialization (BDC) bdcprogram.healthsci.mcmaster.ca

The Biomedical Discovery and Commercialization (BDC) program provides students with advanced training in the biomedical sciences complemented by fundamental business training. Our students gain the skills required to be leaders in biomedical research and industries, with a particular emphasis on drug discovery and development. Our graduates are equipped not only with the skills to lead in the rapidly growing field of scientific discovery, but to help bring cutting-edge research from lab to market. Graduates of the BDC program are eligible to apply for the 12-month course-based Master of Biomedical Discovery and Commercialization program, which includes a four–eight-month paid industrial internship.

Admission requirements

- Biomedical Discovery and Commercialization is a Level III entry program.
- Students who meet the admissions criteria commonly come from Biochemistry, Sciences or Health Sciences programs after completing Level II study.
- BDC applicants are required to complete the BDC Applicant Questionnaire as a supplementary application to the program.
- Detailed admission requirements are available on the BDC program website.

Honours Biology and Pharmacology Co-Op

biopharm.healthsci.mcmaster.ca

Gain a comprehensive interdisciplinary knowledge of Biology and Pharmacology along with real-world experience through three paid work placements in the Honours Biology and Pharmacology Co-Op (BioPharm) program. Using the problem-based learning approach, BioPharm students are active learners in their education, taking a self-directed approach to research and learning the many aspects of pharmacology and human physiology.

Admission requirements

- Honours Biology and Pharmacology Co-Op is a Level III entry program.
- Students enter the BioPharm program after completing two years of study, most commonly in a Biology, Science or Health Sciences program.
- Applicants are required to submit additional documentation, including a statement of interest and résumé. Successful applicants will be contacted for an interview.
- Detailed admission requirements are available on the BioPharm program website.

Integrated Rehabilitation and Humanities (IRH)
srs.healthsci.mcmaster.ca/irh

NEW: Study at the intersection of rehabilitation sciences and humanities in Canada's first Integrated Rehabilitation and Humanities (IRH) program. By combining the creativity of the humanities with the art and science of rehabilitation, this program provides the knowledge, skills, and understanding to address the complexities of health and well-being.

Through cross-faculty experiential learning, coursework and co-curricular activities, graduates of the IRH program are prepared for jobs in the health and social sector, including hospitals, long-term care, and community-based services. This degree also provides a foundation for graduate studies in the health, medical, and rehabilitation sciences.

Admission requirements
- The Integrated Rehabilitation and Humanities is a Level II entry program.
- Students who have completed Level I study (e.g., Humanities I) and a prerequisite biology component (Grade 12 Biology or any biology Level I university course) are eligible to apply.
- Detailed admission requirements are available on the IRH program website.

Medicine medschool.healthsci.mcmaster.ca

McMaster's medical program selects candidates who demonstrate the potential to become Canada's future healthcare leaders. The program is designed to involve medical students with a broad range of human health problems and with early exposure to patients. The Medicine program has no single background that offers ideal preparation for the practice of medicine and students with university education in any discipline are encouraged to apply. McMaster admits a total of 217 students, who are distributed to our three campuses in Hamilton, Waterloo and Niagara.

Admission requirements
- Completion of a min. of three years in a recognized university undergraduate program with a min. overall B average.
- MCAT CARS (critical analysis and reasoning) and the Casper test.
- Both academic and personal qualities are assessed in the selection process by means of the undergraduate GPA, MCAT, CARS, Casper, and interviews.
- Detailed admission requirements are available on the program website.

McMaster University also offers an integrated MD/PhD Program for up to three students each year who demonstrate academic excellence and a strong motivation to pursue research as a major component of their future medical careers. MD/PhD Program details are available at: mdphd.healthsci.mcmaster.ca

Physician Assistant physicianassistant.mcmaster.ca

The Physician Assistant (PA) Education Program trains healthcare professionals to work collaboratively with a supervising physician to provide patient care and to extend physician services. PAs are also involved in health education, research and administrative roles. PAs are employed across Canada in a variety of settings, including primary care, emergency medicine, internal medicine, surgery, and numerous sub-specialties. The Physician Assistant program is taught using inquiry and problem-based learning, which enhance each student's ability to think critically, solve problems, demonstrate initiative and independence in practice, and promote lifelong learning.

Admission requirements
- The Physician Assistant program is a Level II entry program.
- Applicants are required to complete a supplementary application consisting of both written and video responses.
- Detailed admission requirements are available on the program website.

Midwifery I

Midwives provide primary care to people with low-risk pregnancies throughout pregnancy, labour, childbirth, and six weeks postpartum. The McMaster Midwifery Education Program's strong focus on clinical placements and active learning opportunities in the field prepares students to register as midwives after four years of study. By graduation, learners will have assisted in 50+ births.

Degree Option

- Bachelor of Health Sciences (Midwifery)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Chemistry 4U
- Biology 4U

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: February 1, 2024

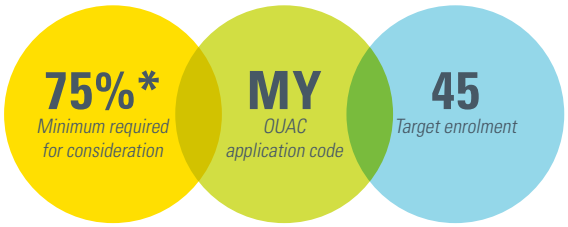
Supplementary Application

midwiferyundergrad.mcmaster.ca/prospective-students/

All applicants must:

- Complete the **Casper Test** on one of the dates listed on the Acuity website (last test-date, January 18, 2024) and submit results by February 1, 2024.
- Complete the **Identity and Admissions Survey** by February 1, 2024.

Interview Invites / Waitlist Notifications: Early-April, 2024
Interview Date: Late-April or early-May, 2024



**Minimum average required for consideration plus interview. Admission is by-selection. Students must obtain a minimum grade of 75% in Grade 12 English, Biology and Chemistry.*

High school applicants may apply to Midwifery if one or more of the required Grade 12 prerequisites are in progress by February 1, 2024; however, high school transcripts must show the Grade 11 prerequisite(s) as completed with a minimum grade of 75% and submitted by February 1, 2024, so that a preliminary eligibility and interview selection assessment can be made.

Any offer of admission will be conditional upon successful completion of all Grade 12 prerequisite courses.

Why Choose Midwifery at McMaster?

- Midwifery at McMaster is internationally recognized for its innovative educational programming.
- Our approach assures the acquisition of the knowledge, skills and values needed to begin and continue to practice midwifery.
- We foster inclusive and critical thinking in the academic setting that extends into the practice setting and forms the basis for sound professional practice.
- Facilitated admission processes for Indigenous and Black-identifying applicants.

Interested in learning more about Midwifery I? Scan the QR code or head to: midwifery.mcmaster.ca

First Year at a Glance

Total: 30 units Required: 30 units

First-year courses:

- Anatomy and Physiology (HTHSCI 1D06 A/B)
- Social Justice and Healthcare (HTHSCI 1C06 A/B)
- One of the following courses:
  - Indigenous Medicine I – Philosophy (INDIGST 3HO3)
  - Indigenous Medicine II – Practical (INDIGST 3HH3)
- Introduction to Research Methods and Critical Appraisal (MIDWIF 1F03)
- Midwifery The Profession I (MIDWIF 1D03)
- Midwifery The Profession II (MIDWIF 1G03)
- Life Sciences for Clinical Practice (HTHSCI 1JO3)
- One elective course with a focus on humanities or social sciences from the Faculties of Health Sciences, Humanities, or Social Sciences

To date, all graduates who chose to practice midwifery are working.

84 of 135 units are spent in clinical settings, learning and practicing clinical skills.

Our Midwifery program is the oldest in Canada & one of only two offered in Ontario.

Clinical Placements

- Clinical terms comprise at least half of the Midwifery Program.
- Clinical courses consist of a practical and theoretical component and concurrent problem-based weekly tutorials.
- Students are assigned to a midwifery practice as well as to interprofessional placements, including labour and delivery and obstetrical practices.
- During a clinical placement, students are expected to live within a reasonable travel distance to the practice workplace and must be prepared to relocate. Students must have access to a vehicle and hold a G2 or G license prior to the first clinical placement course and for all subsequent placement courses.
- Your admission to the Midwifery Education Program (MEP) is linked to a specific region: Southwestern Ontario Area (SOA) or the Greater Ontario Area (GOA). About 30 students per year are admitted to the SOA and about 15 to the GOA. For more details visit: midwiferyundergrad.mcmaster.ca/undergraduate-education

Typical Clinical Placement Schedule

1st Year			2nd Year			3rd Year			4th Year		
Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer
School term	School term		School term	Clinical term*	Clinical term*	Clinical term	Clinical term*	Clinical term	Clinical term	Clinical term	

Legend: School term; Clinical term

**Depending on individual student schedule, one of these terms may be off.*

Maha Siddiqui
Midwifery Education Program Student

Something that I immediately noticed about the program was how tight-knit it is. Coming from a program with hundreds of people, having to interact with only 45 people is a breath of fresh air.

Nursing I

Graduates are prepared to be professional nurses who will practice in a variety of healthcare settings. Central to our mission is the preparation of nurses who will work to enhance the quality of health of individuals, families, communities, and society.

Degree Option

- Bachelor of Science in Nursing

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Biology 4U
- Chemistry 4U
- One of Advanced Functions 4U, Calculus & Vectors 4U or Data Management 4U

85%* *Minimum required for consideration*

MN MNM *OUAC application codes*

150 *Target enrolment (per site)*

**Minimum average required for consideration. Admission is by-selection.*

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: Please visit takeCasper.com for test dates.

Supplementary Application

All applicants must complete a **Casper test.**

- Academic and personal qualities are assessed based on your high school admission average and Casper scores, respectively.
- Casper tests behavioural tendencies for the nursing profession.
- During the selection process, the weighting of the GPA is 80% and Casper is 20%.
- For general information and test dates, visit: takeCasper.com

Why Choose Nursing at McMaster?

- Students looking to enter a career in nursing choose McMaster for its problem-based, self-directed undergraduate curriculum that places students at the centre of all learning.
- Problem-based learning means learning is customized to the strengths and needs of the group.
- A group-learning setting that fosters professional and interpersonal relationships among learners, peers, and faculty.
- Simulation-based learning labs offer our nursing students active learning spaces for clinical education.
- Multiple and varied professional practice placements enhance student learning while offering hands-on experience.

Our Sites

Our Nursing degree is offered at both our McMaster and Mohawk sites. Students who complete the program at either site will receive a McMaster BSc in Nursing degree. The nursing curriculum and learning activities are identical across the two sites. McMaster and Mohawk faculties collaborate on teaching courses within the program.

Interested in learning more about Nursing I? Scan the QR code or head to: nursing.mcmaster.ca

First Year at a Glance

Total: 30 units Required: 28 units

First-year courses:

- Human Biochemistry I (HTHSCI 1LL3)
- Human Anatomy and Physiology I (HTHSCI 1HO6 A/B)
- Introduction to Social Determinants of Health (HTHSCI 1RR3)
- Introduction to Nursing and Health I and II (NURSING 1F03/1G03)
- Introduction to Nursing Practice (NURSING 1IO2)
- Professional Nursing Practice I (NURSING 1JO2)
- Community Engagement & Citizenship (NURSING 1KO3)
- Introduction to Psychology, Neuroscience & Behaviour (PSYCH 1X03)
- Foundations of Psychology, Neuroscience & Behaviour (PSYCH 1XX3)

McMaster's BScN program is direct-entry, meaning that students are majoring in Nursing from first year to the end of the program. Beginning in first year, emphasis is placed on interpersonal skills, independent learning and the development of leadership.

Beyond First Year

Opportunities for learning with nursing peers and other health professionals are available early in the program. Clinical hours are increased each year as learners are offered placements in diverse clinical settings. Classroom engagement and active science learning labs set the stage for a strong foundation in today's healthcare context. Early on, students recognize the value of student-centred learning by faculty, staff, and community partners.

Consistently high pass rate for NCLEX (National Council Licensure Examination for RNs).

Ranked 21st in the 2022 QS World University Ranking and third-ranked school in Canada for Nursing.

Students in their final year may qualify for a professional practice placement in an international setting or a northern/outpost setting within Canada.

Professional Practice Hours

Locally, placement locations include Niagara, Haldimand Norfolk, Brant, Halton, Peel and Hamilton/Wentworth. Professional practice hours begin in first year, and placements in hospitals begin in second year.

	Hours/Week	Location/Placement
Year 1	4	Experiential learning labs
Year 2	8	Hospital: medical/surgical units
	2	Experiential learning labs
Year 3	12	Varied settings: maternal-child/ pediatrics/psychiatry
Year 4	24–36	Varied settings: acute care, adult/pediatrics critical care, women's health, public health, community, long-term care facilities, global health, or northern outpost placements, etc.

Future Careers

Registered Nurses practice in teams with other health professionals to care for diverse clients across the lifespan. Nurses practice in a variety of roles and clinical settings, such as:

- Hospitals, long-term care facilities and hospices
- Public health and home care support services
- Entrepreneurs engaged in health/nursing care
- Researchers in nursing care, education, healthcare and policy
- Educators of individuals, families, communities and nursing students
- Correction and detention centres
- Parishes
- Telehealth
- On the streets with vulnerable populations
- In a variety of industrial settings
- Poison control centres

Their practice may focus on any of the following areas included, but not limited to: pediatrics, emergency, maternity, psychiatry, palliative, and public health.

Humanities I

In the Faculty of Humanities, we're curious about the world: from history, philosophies and cultures to literature, languages and media. Here, you'll be challenged and inspired to use your learning to help make an impact on the world around you – and we have the caring and supportive community to help you do just that.

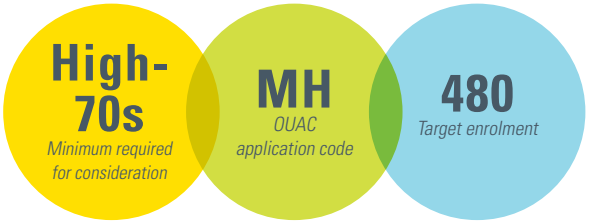
Degree Options

- Honours Bachelor of Arts
- Combined Honours Bachelor of Arts
- Bachelor of Arts

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U



OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Humanities Scholarship Deadline: April 17, 2024

Why Choose Humanities at McMaster?

As a Humanities student, you'll explore and examine our past and present, our thought, our cultures, and societies – even our existence! You'll learn how to understand yourself and others, and how to use that understanding to help build a better world. You'll also develop skills that employers want and leaders need, like:

- Communicating complex ideas in clear and inspiring ways
- Weighing evidence and make reasoned arguments
- Solving problems creatively and strategically
- Considering and acting on contributions from a diversity of perspectives

You'll gain practical, hands-on skills through community engagement projects, international experiences, field study and internships – chances to take what you've learned in the class, lab, theatre and studio into the real world.

Scholarships

future.mcmaster.ca/entrance-awards

McMaster Humanities offers entrance awards specifically for students entering Humanities I with a minimum admission average set by the faculty, plus an application on AwardSpring.

- Valued between $2,500–$5,000
- Deadline: April 17, 2024

First Year at a Glance

Total: 30 units* Required: 15 units**

First-year courses:

All first-year Humanities students must take:

- Voice and Vision: Words to Change the World (HUMAN 1VV3)

*Fifteen remaining units, which can be chosen from either Course List 1, Course List 2, or courses offered by other faculties.

**Twelve units of first-year Humanities courses from Course List 1.

Humanities I is our general first year, where you'll get to explore classes in many different topics before choosing your major in Level II.

Visit our Undergraduate Academic Calendar for full course listings: academiccalendars.romcmaster.ca/preview_program.php?catoid=53&poid=26853

Interested in learning more about Humanities I?
Scan the QR code or head to:
start-here.humanities.mcmaster.ca

Internship Program

humcareers.humanities.mcmaster.ca

The Humanities Internship Program gives you the opportunity to develop practical skills, explore career options and integrate what you learn in the classroom into a meaningful work experience in a professional setting. Humanities internships are paid, part-time or full-time work terms of four, eight, 12 or 16 consecutive months.

There are lots of benefits to an internship:

- Gain practical experience and professional development while you're still in school.
- Become more competitive as you look for a job after you graduate.
- Develop a network of professional contacts.
- Ease your transition into the workplace.
- Gain personal growth and exposure to new situations.

55% of business leaders are arts grads (Universities Canada 2020).

Ten concurrent certificates available to enhance degree and increase job prospects.

Over $200,000 in awards and prizes distributed every year.

Experiential Education

In the Faculty of Humanities, learning outside the classroom is an important part of a university education, and an important part of creating future leaders.

Available to our upper-level Humanities students, our Applied Humanities courses allow you to gain real-world experience in a field related to a Humanities discipline. You'll apply the skills and knowledge acquired in your studies through hands-on research projects, specialized teaching and work placements.

In addition, many of our departments run experiential education courses that allow you to gain practical experience while earning credits toward your degree programs – it's the best of both worlds!

Unique Concurrent Certificates to Take Your Career Further

A degree in Humanities gives you the essential skills you need to build a successful career, but why stop there? Supplement your education and enhance your expertise and credentials with our concurrent certificates, including:

- Applied Ethics and Policy Change
- Applied Linguistics
- Creative Writing and Narrative Arts
- Critical Curatorial Studies
- Essential French
- Professional French
- Language of Medicine & Health
- Leadership, Equity & Social
- Health Humanities and Social Sciences
- International Engagement

Specialized Minor in Commerce

Give your Humanities degree an edge with business courses, like accounting, marketing, and human resources, all designed to help you maximize your career potential. This distinct combination will give you a solid foundation in core business topics balanced with the critical, ethical and constructive perspectives of a Humanities degree.

For more information, contact Humanities Academic Advising at: humadvising.humanities.mcmaster.ca

Integrated Rehabilitation and Humanities (IRH)

srs.healthsci.mcmaster.ca/irh

NEW: Study at the intersection of rehabilitation sciences and humanities in Canada's first Integrated Rehabilitation and Humanities (IRH) program. By combining the creativity of the humanities with the art and science of rehabilitation, this program provides the knowledge, skills, and understanding to address the complexities of health and well-being.

Through cross-faculty experiential learning, coursework and co-curricular activities, graduates of the IRH program are prepared for jobs in the health and social sector, including hospitals, long-term care, and community-based services. This degree also provides a foundation for graduate studies in the health, medical, and rehabilitation sciences.

The Integrated Rehabilitation and Humanities degree is a Level II entry program. Students who have completed Level I study (e.g., Humanities I) and the prerequisite biology component (Grade 12 Biology or any biology Level I university course) are eligible to apply.

Level II Program Options

Cognitive Science of Language linguistics.mcmaster.ca

Wondering about what prepares our brains for language and thought – and combining that with the study of language in all its forms? Cognitive Science of Language is a unique program that combines psychology and linguistics – all while working in our state-of-the-art spaces, like the Reading Lab and the Language, Memory and Brain Lab.

What you'll need to take in first year
- Complete both LINGUIST 1A03 and 1AA3
- Complete PSYCH 1F03 or PSYCH 1X03

Possible careers
- User experience (UX) analyst
- Speech-language pathologist
- Science writer

Communication Studies csma.mcmaster.ca

In Communication Studies, students gain the knowledge and skills to become an informed professional and citizen. You'll learn theory and practice of communicating with diverse audiences, media analysis, and creative problem-solving in social and traditional media, policy, and key social and cultural issues.

What you'll need to take in first year
- CMST 1A03

Possible careers
- Marketing
- Public relations
- Journalism

English & Cultural Studies english.mcmaster.ca

In English & Cultural Studies, you'll learn how to think in creative and thoughtful ways, to write, speak and listen carefully and critically, and to problem-solve effectively. An English degree opens all kind of doors – ones that may not be immediately obvious – and teaches you to be a better local and global citizen.

What you'll need to take in first year
- Three units of Level I English

Possible careers
- Teacher
- Scenario planner
- Publishing/editing

French french.mcmaster.ca

As a McMaster French student, you'll not only be immersed in one of Canada's official languages but, with our concentration on *Francophonie et Diversité* (the Francophone World and Diversity), you'll also be introduced to the literary and cultural traditions of French-speaking people around the world.

What you'll need to take in first year
- Either FRENCH 1A06 A/B or FRENCH 2M06 A/B

Possible careers
- Educator
- Translator/Interpreter
- Civil servant

Global Peace & Social Justice gpsj.humanities.mcmaster.ca

Do you strive to understand the root causes of social injustice and violence? Do you want to help create a better world? In Global Peace & Social Justice, we look for ways to ease, transform and prevent conflicts and work toward equitable communities. Mac is also home to the Bertrand Russell archives – one of the 20th century's most influential thinkers and peace activists.

What you'll need to take in first year
- PEACJUST 1A03, PEACJUST 1VM3 or GENDERST 1A03/B

Possible careers
- Mediator
- Refugee resettlement worker
- Diversity specialist

Greek & Roman Studies greekandromanstudies.humanities.mcmaster.ca

Greek and Roman Studies is the exploration of ancient Greek and Roman literature, history, culture, art and archaeology. In this program, you'll learn to understand both ancient cultures and our own world from a wide range of different perspectives.

What you'll need to take in first year
- Any three units of Level I Greek and Roman Studies (GKROMST), Greek or Latin

Possible careers
- Cultural heritage planner
- Museum curator
- Virtual reality content editor

History history.mcmaster.ca

History is all about learning to see the world through a unique lens: No discipline better helps to explain the world around you, whether you're interested in war and conflict, empire and colonialism, gender and culture, environment and technology, or Canada and the world.

What you'll need to take in first year
- Any three units of Level I History

Possible careers
- Archivist
- Political consultant
- Media analyst

iArts (Integrated Arts) sota.mcmaster.ca

Do you love to create? Do you have a passion for drawing, ceramics, performance, community-engaged art or film analysis? Explore those interests in iArts (Integrated Arts), which combines creative expression with a focus on social justice, all within our expansive arts facilities, including the Fitzhenry Studios and Atrium, and our professional Black Box Studio and traditional theatres.

What you'll need to take in first year
- Complete either IARTS 1PA3 or IARTS 1PB3
- Complete one of IARTS IHA3, IARTS ICR3, IARTS 1T03, IARTS 1BD3 or IARTS 1SS3

Possible careers
- Artist/performer
- Arts or cultural administration
- Museum or gallery programmer

Justice, Political Philosophy & Law jppl.humanities.mcmaster.ca

Do you want to gain an understanding of the law and of the legal and political institutions that make up our world? To explore the political and moral theories that address the value and justice of these institutions? Justice, Political Philosophy and Law may be right for you!

What you'll need to take in first year
- Any three units of Level I Philosophy (PHILOS 1B03 is strongly recommended)

Possible careers
- Lawyer
- Political advisor
- Foreign services officer

Note
- Enrolment in this program is limited and possession of the minimum requirements does not guarantee admission.
- A supplementary application is required – visit philos.humanities.mcmaster.ca for more information.

Linguistics linguistics.mcmaster.ca

Do you ever wonder how language came about? Or question what is special about the structure of human language? If you're curious about different languages, what makes them learnable, and what impact language has in society, a Linguistics degree could be the perfect choice for you.

What you'll need to take in first year
- Both LINGUIST 1A03 and LINGUIST 1AA3

Possible careers
- Chatbot developer
- Policy analyst
- English as a second language consultant

Media Arts csma.mcmaster.ca

Our Media Arts program offers hands-on training for multimodal creation, including audio, video, animation, digital games, web and graphic design, and coding skills – and you'll get to explore the evolving field of media arts creation and production in the McArthur Multimedia Wing, which includes Apple workstations with industry-standard digital media software

What you'll need to take in first year
- Three units of MEDIAART 1A03

Possible careers
- Sound designer
- Artist
- Digital accessibility specialist

Note
- Enrolment in this program is limited and possession of the minimum requirements does not guarantee admission.

Philosophy philos.mcmaster.ca

How should we live, and what makes a life meaningful or good? How should we organize a just society, and why? What are truth and knowledge, and how are they best found? How have people across history and cultures asked and answered such questions – and what we can learn from them today? In philosophy, students explore such questions critically, rigorously, creatively, and in dialogue with others.

What you'll need to take in first year
- Any three units of Level I Philosophy

Possible careers
- Lawyer
- Teacher
- Bioethicist

Music

Our Music program gives you a thorough grounding in the four fundamental areas of music instruction – theory, general musicianship, history and performance. If you're interested in the intersection of music and science, you can choose to study Music Cognition, which explores exciting new research into how music is perceived in the brain and how music intersects with other aspects of intellectual development.

Degree Options

- Honours Bachelor of Music
- Honours Bachelor of Music (Music Cognition)
- Combined Honours Bachelor of Arts
- Bachelor of Arts (Music)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U

78%
Anticipated admissions average + audition

MM
OUAC application code

20
Target enrolment

OUAC Application Deadline: January 15, 2024

Most auditions take place between February and March, 2024

Auditions

To enter Music I, students must meet the Humanities admission requirements and pass an audition consisting of a performance (the minimum level required for both equates to Royal Conservatory of Music Honours Grade 8), a theory test (equivalent to RCM Advanced Rudiments), as well as an ear-training test. Most auditions take place between February and March. For more information, please visit:
sota.humanities.mcmaster.ca/undergraduate-programs/music/music-program-auditions/

Why Choose Music at McMaster?

- The Music programs at McMaster are designed to give you specialized, expert instruction in both performance and education, and to provide academic opportunities that are both challenging and exciting.
- We feature small, intimate classes with individual attention to enable you to reach your full potential as a well-rounded musician.
- We use innovative teaching methods supported by the latest technology, and provide a friendly, supportive environment with an approachable, caring faculty. Our curriculum is designed to offer students considerable flexibility in how they structure their degree.

Interested in learning more about Music? Scan the QR code or head to:
sota.humanities.mcmaster.ca/undergraduate-programs/music

First Year at a Glance

Total: 33 units Required: 24 units

First-year courses:

- Introduction to the History of Music I (MUSIC 1A03)
- Theory and Analysis I (MUSIC 1CB3)
- Practical Musicianship I (MUSIC 1DA3)
- Practical Musicianship II (MUSIC 1DB3)
- Solo Performance (MUSIC 1E06 A/B)
- Rudiments of Music (MUSIC 1CR3)
- Three units of Ensemble Performance
- 9–12 units of electives chosen from courses offered by the Humanities or other faculties.

Students planning to enter the Music Cognition program must include Introduction to Psychology, Neuroscience & Behaviour, and Foundations of Psychology, Neuroscience & Behaviour in their first-year program. Students who do not have Grade 12 Biology should also take Introductory Biology concurrently with Introduction to Psychology, Neuroscience & Behaviour in the first year.

Beyond First Year

Instrumental Specialization:

Students can specialize in voice or any instrument from the classical or jazz field. Students are assigned a specialist instructor based on their audition and can receive private lessons throughout the program.

Music Cognition Specialization:

Students may also choose our groundbreaking specialization in Music Cognition, which explores exciting new research into how music is perceived in the brain and how music intersects with other aspects of intellectual development.

Combined Degree (Music + another subject):

It is possible to combine the study of music with another subject from Humanities or Social Sciences. Students can also choose to complete a Diploma in Music Performance concurrently with their degree or minor in music.

Interested in research? As a music student, you can also explore ongoing, hands-on research in musicology, music therapy or music cognition.

Experience the magic of performing on a professional-level stage in our state-of-the art, 300-seat concert hall.

You'll have access to soundproof practice rooms, large rehearsal halls, grand pianos, multimedia studios, the Music Cognition lab, and an extensive collection of string, brass, woodwind and percussion instruments.

You can participate in a wide range of concerts and performances on campus and in the community.

Future Careers

Our graduates pursue careers in many musical fields, such as:

- Music education
- Performance
- Music business management

Through the advanced study of music, our students develop many important and sought-after transferable skills, such as the ability to research, to reason and analyze, to think critically, and to make informed decisions.

In addition to careers focusing on music, our graduates have applied these skills to diverse areas, including the media, law, government and business.

Performance Opportunities

All Music degree options at McMaster involve performance. There are many opportunities to perform in public, such as the Student Concert Series for soloists and chamber groups.

Ensemble performance

Our music students must also participate in one of our seven major ensembles for at least the first two years of study:

- David Gerry Flute Ensemble
- McMaster Cantemus Vocal Ensemble
- McMaster Concert Band
- McMaster Jazz Ensemble
- McMaster Percussion Ensemble
- McMaster Symphony Orchestra
- McMaster University Choir

Interested in research? As a music student, you can also explore ongoing, hands-on research in musicology, music therapy or music cognition.

iArts (Integrated Arts)

The iArts BFA is a highly selective program that emphasizes interdisciplinary creative practice. As an iArts student, you'll be able to use a wide range of hands-on media and techniques in art and performance, while also learning about the histories and critical contexts of art and performance. The iArts program allows you to explore YOUR creative talent – whatever path that takes – as well as develop a significant body of work and build the skills you need for a creative career.

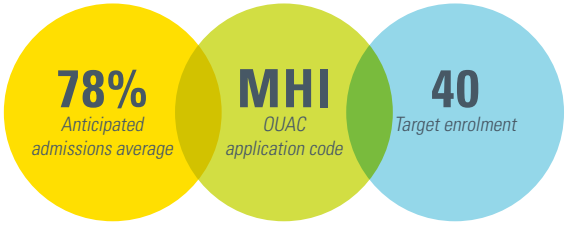
Degree Option

- Honours iArts (Integrated Arts) (BFA)

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U



OUAC Application Deadline: January 15, 2024

Electronic Creative Submission Deadline: February 1, 2024

Electronic Creative Submission

All applicants to iArts must submit an Electronic Creative Submission. The submission is a compilation of creative work and/or practice that you've done either in school, at home, or possibly in the community. A creative submission package is similar to a portfolio or audition reel but can feature work from a range of disciplines. More information can be found at: sota.humanities.mcmaster.ca/undergraduate-programs/iarts/apply-now/

Why Choose iArts at McMaster?

- iArts is a unique integrated arts degree that invites students to direct their own creative path. That can include acting, painting/drawing, printmaking, sculpture, ceramics, devising plays, researching cultural and critical histories, creating videos, and more.
- iArts is committed to issues of social justice, equity and diversity in the arts and society.
- iArts believes in environmentally responsible studio practices and is the only program in Canada to declare a commitment to that initiative.
- iArts faculty members are practicing cultural producers, teaching both the creative and entrepreneurial skills needed for a career in the arts.

McMaster Museum of Art

McMaster is home to the McMaster Museum of Art, a public gallery that works closely with both the campus and the community. Each year, our graduating iArts students showcase their final projects in an exhibition at the gallery.

Interested in learning more about iArts? Scan the QR code or head to: sota.mcmaster.ca

First Year at a Glance

Total: 30 units Required: 21 units

First-year courses:

- Perspectives A: Arts in Society: Social Constructions of Class, Race and Gender (IARTS 1PA3)
- Perspectives B: Arts in Society: Technology and the Environment (IARTS 1PB3)
- Project Development 1 (IARTS 1RR3)
- Project Production 1 (IARTS 1RP3)

Nine units from the list below:

- Introduction to Histories of the Arts (IARTS 1HA3)
- 2D Practices in Art (IARTS 1BD3)
- Performance: Body and Voice (IARTS 1CR3)
- Theatre, Performance, and Society (IARTS 1TO3)
- 3D Practices in Art (IARTS 1SS3)

Nine units of electives chosen from courses offered by the Faculty of Humanities or other faculties.

Beyond First Year

The Bachelor of Fine Arts (iArts) program allows you to fully explore and develop your creative talents. As a single honours degree with its own direct-entry first-year program, this option enables you to focus on creative production throughout your time at university.

Upper-level iArts courses provide in-depth knowledge in many creative disciplines:

- Acting
- Ceramics/foundry
- Contemporary art histories
- Cultural histories
- Curatorial studies
- Devising
- Drawing
- Film studies
- Installation
- Mixed media
- Painting
- Printmaking
- Sculpture
- Video production

You also have the option to enrol in our iArts (Integrated Arts) Bachelor of Arts program, which offers two options: an Honours BA or an Honours BA combined with another subject. Once you complete Humanities Level I, our general first year, you'll be able to choose iArts as a discipline.

Through workshops, exhibitions and performances, our artists-in-residence and curator-in-residence programs will introduce you to accomplished creators and curators.

We're an integral part of the flourishing art scene in Hamilton and beyond, with extensive connections to artists, galleries and curators.

Upper-year students have opportunities to exhibit and present their work through public gallery shows and collaborative performances.

iArts Facilities

Our facilities also include:

- Black box theatre
- Bronze- and aluminum-casting foundry
- Ceramics studio
- Film screening classrooms
- Painting and drawing studios
- Performance lab
- Print studio focusing on sustainable practice
- Professional gallery setting for student critiques
- Student and community gallery for public exhibitions
- Wood and metal shops

Future Careers

An education in the arts can open many doors and take you many places. During your time in iArts, you will have the opportunity to explore ideas and expand your skills in a variety of creative practices, including art, performance and critical theory. With a focus on social justice, cultural literacy and collaboration, iArts prepares students with skills and knowledge that are in demand in today's professional environments.

Graduates from the program can follow many different paths: professional careers in the arts, advanced studies in graduate programs with a focus on creative practice and/or social justice, and careers and professions that require the highly transferrable skills learned through arts practices.

Level I Gateway Programs
FACULTY OF SCIENCE

Whether you know exactly what area of science you are interested in or are still undecided (or change your mind!), the structure of our Gateway Programs provides choice, flexibility, and a wide range of Level II program options.

Mid- to high-80s
Anticipated admission average

MPS
OUAC application code

100
Target enrolment

Chemical and Physical Sciences

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U
- Calculus & Vectors 4U
- Chemistry 4U
- Physics 4U

Mid- to high-80s
Anticipated admission average

MEE
OUAC application code

85
Target enrolment

Environmental and Earth Sciences

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U or Calculus & Vectors 4U
- Biology 4U or Chemistry 4U
- One of: Advanced Functions 4U, Calculus & Vectors 4U, Biology 4U, Chemistry 4U, Physics 4U

High-80s to low-90s
Anticipated admission average

MLS
OUAC application code

1,000
Target enrolment

Life Sciences

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Biology 4U
- Advanced Functions 4U or Calculus & Vectors 4U
- One of: Advanced Functions 4U, Calculus & Vectors 4U, Chemistry 4U, Physics 4U

Mid- to high-80s
Anticipated admission average

MZ
OUAC application code

300
Target enrolment

Mathematics and Statistics

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U
- Calculus & Vectors 4U

Degree Options

- Bachelor of Science (Honours)
- Bachelor of Applied Science (Honours)
- Bachelor of Science

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

How Does a Gateway Work?

1. Select the Level I Gateway program that best suits your academic interests and strengths.
2. Complete courses in Level I that reflect the admission requirements of the Level II program(s) you are considering, complemented by electives.
3. Apply to up to four Level II programs at the end of first year.

Why Choose Faculty of Science at McMaster?

- **Hands-on learning in state-of-the-art facilities** – Interactive classroom lectures, as well as dynamic and exciting online content.
- **Interdisciplinary approach to learning** – Helps to understand the environment we interact with every day.
- **Scientific knowledge and real-world analysis** – Many courses provide opportunities to apply scientific knowledge to the analysis of real-world situations in the various scientific fields.
- **Skills development** – Considerable emphasis on the development of lifelong skills.

Science Career and Co-Operative Education

scce.science.mcmaster.ca

Our vision is to see every McMaster Science student reach their career potential and have a meaningful impact on the scientific community. Focusing on Career, Experiential and Co-Operative Education, the Science Career and Co-Operative Education (SCCE) office guides students on their career path and helps them to be successful in their chosen field.

Co-op students earned over $4M in 2022.

1,200+ positions were posted in 2022 for science co-op students.

170+ employers offering relevant co-op positions across the Faculty of Science.

Interested in learning more about the Science Gateway programs? Scan the QR code or head to: mapsci.ca/gateway/

Experiential Education

Experiential Education provides students with the opportunity to gain real-world, academically relevant experience in a community, research, or professional setting.

Experiential education opportunities include:

- Applied placements
- Research practicums
- Science internships

Co-Operative Education (Co-Op)

Science Cooperative Education is an integrated approach to higher education that enables highly motivated students to alternate academic terms with paid, relevant work experience.

The following Faculty of Science Programs offer a co-op option, which begins at Level III:

- Actuarial and Financial Mathematics
- Chemical Biology
- Chemistry
- Earth and Environmental Sciences
- Environmental Sciences
- Life Sciences
- Mathematics and Statistics (including specializations)
- Medical and Biological Physics
- Molecular Biology and Genetics Research Specialization
- Physics
- Sustainable Chemistry

Level II Program Options

The following Faculty of Science Departments and Schools offer a range of Level II program options available to students in any of our Gateway Programs, as well as careers recent graduates find themselves in. Detailed information is available at: mapsci.ca/level-2-programs/list

Biology biology.mcmaster.ca

The Department of Biology is the hub of research and teaching related to living systems and environments, and how knowledge contributes to advances in environmental and medical biotechnology. The department prepares students for careers in scientific research, industry and the public sector.

Level II program options

- Biology Core
- Biology - Research Specialization
- Biology – Physiology Core
- Biology – Physiology Research Specialization
- Biodiversity and Environmental Sciences
- Biology and Mathematics
- Biology and Psychology, Neuroscience & Behaviour
- Molecular Biology and Genetics Core
- Molecular Biology and Genetics Research Specialization
- Neuroscience

Possible careers

- Regulatory specialist
- Emergency, critical care resident
- Animal behaviour coordinator
- Wildlife biologist
- Nutritional consultant
- Pharmacology curation scientist
- Terrestrial ecologist
- Genomic analyst

Chemistry and Chemical Biology chemistry.mcmaster.ca

The Department of Chemistry and Chemical Biology is a vibrant place to learn about the molecules and materials that make up the world around us. Chemistry deals with the properties and reactions of chemical substances, and their interactions with energy and with one another. Chemical Biology addresses problems in drug discovery, the molecular basis of disease and molecular biological functions.

Level II program options

- Chemical Biology
- Chemistry
- Sustainable Chemistry
- Chemical and Physical Sciences

Possible careers

- Quality control chemist
- Pharmacist
- Drug discovery scientist
- Cancer researcher
- Sustainable transportation coordinator
- Quality assurance chemist
- Laboratory analyst

Earth, Environment and Society science.mcmaster.ca/ees

McMaster's School of Earth, Environment and Society is an internationally recognized centre for research and training. Students in the School develop a broad understanding of societal and environmental problems and how those relate to human health, transportation, urban planning and environmental policy. They learn about earth history, soils, earth surface processes, environmental and contaminant geochemistry, surface climate processes, plant biodiversity and ecology, hydrology and hydrogeology, and much more.

Level II program options

- Biodiversity and Environmental Sciences
- Environmental and Earth Sciences
- Environmental Sciences

Possible careers

- Conservation lands planning technician
- Environmental scientist
- Geophysicist
- GIS analyst
- Biological field technician
- Sustainability management consultant
- Climate-change specialist
- Hydro-geologist

Life Sciences sis.mcmaster.ca

The Life Sciences programs (within the School of Interdisciplinary Science) provide students with the opportunity to study various topics in human health, aging, and disease. Our curriculum is organized under the categories of communication, experiential learning, and research skills. A unique aspect to our programs involves the implementation of community-based projects and peer-mentoring experiential opportunities that are tied to in-course experiences.

Level II program options

- Life Sciences
- Life Sciences – Sensory Motor Systems Specialization
- Life Sciences – Origins of Disease Specialization

Possible careers

- Science & strategy analyst
- Healthcare account supervisor
- Biomedical communications designer
- Optometrist
- Pharmacy assistant
- Legal counsel
- Translator - medical literature
- Senior policy analyst

Mathematics and Statistics math.mcmaster.ca

Mathematics and Statistics students study patterns underlying diverse phenomena, such as the weather, human and animal populations, stock markets, the form of a molecule, or the structure of space and time. The Department of Mathematics & Statistics emphasizes a student-centred, interdisciplinary approach to teaching and research.

Level II program options

- Actuarial and Financial Mathematics
- Biology and Mathematics
- Mathematics and Statistics
- Mathematics and Statistics – Mathematics Specialization
- Mathematics and Statistics – Statistics Specialization
- Mathematics and Computer Science
- Mathematics and Physics
- Mathematical Sciences

Possible careers

- Actuarial analyst
- Accounting manager
- Senior fund accountant
- Associate business operations
- Software developer
- Senior systems analyst
- IT manager
- Electrical designer

Physics and Astronomy physics.mcmaster.ca

McMaster's Department of Physics and Astronomy is research intensive, with a strong commitment to excellence in teaching. Our unique undergraduate programs begin by teaching students the fundamental concepts and ideas through which physics has transformed the modern world. Students learn how to translate these ideas into the elegant language of mathematics, solve questions and develop understanding.

Level II program options

- Astrophysics
- Mathematics and Physics
- Medical and Biological Physics
- Physics
- Chemical and Physical Sciences

Possible careers

- Principal architect
- Product development & innovation
- Software developer
- Machine learning research scientist
- Scientific evaluator
- Physicist & client Relations specialist
- Data scientist
- Meteorologist

Psychology, Neuroscience & Behaviour pnb.mcmaster.ca

Psychology, Neuroscience & Behaviour is the scientific study of the brain and behaviour. It is a science and a practice. As scientists, experimental psychologists conduct research to help understand why people think, feel, and behave the way they do. As clinicians, counsellors, or other practitioners, psychologists apply scientific understanding toward helping individuals, institutions, and society deal with issues relating to human behaviour and happiness.

Level II program options

- Biology and Psychology, Neuroscience & Behaviour
- Neuroscience
- Psychology, Neuroscience & Behaviour
- Psychology, Neuroscience & Behaviour – Mental Health Specialization
- Psychology, Neuroscience & Behaviour – Music Cognition Specialization
- Applied Psychology in Human Behaviour
- Applied Psychology in Human Behaviour – Autism and Behavioural Science Specialization
- Applied Psychology in Human Behaviour - Early Childhood Studies Specialization

Possible careers

- Psychologist
- Behaviour intervention specialist
- Family access worker
- Communicative disorders facilitator
- Research analyst
- Behaviour therapist
- Mental health counsellor
- Medical director

Virtual Tours

Experience McMaster Science in an immersive digital environment. Head to mapsci.ca/virtual-tours/ to further explore our labs, facilities, greenhouse, nuclear reactor, and more!

Post-Graduate Opportunities

It does not matter which Level I Gateway you choose as they all can lead to the same post-graduate destinations. Many Level II specializations give science students access to courses to prepare them for post-graduate opportunities, including:

- Medicine (medical school)
- Teacher's college
- Rehabilitation sciences (OT, PT, SLP)
- Accelerated nursing
- Dentistry
- Law school
- Pharmacy
- Optometry
- Graduate programs (MSc and PhD)

Honours Integrated Science

Tackling the global challenges of climate change, pandemics, and identification of new energy sources requires research in multiple fields of science. Modern scientists must have a multi-disciplinary foundation, and be encouraged to ask creative, critical, interdisciplinary questions while possessing a wide range of communication tools to provide answers to the world's most pressing issues.

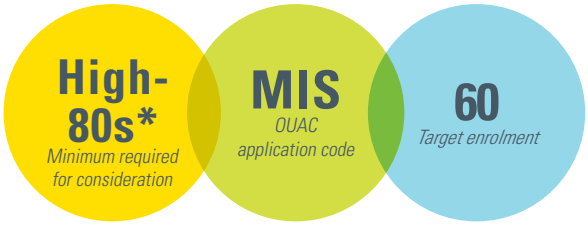
Degree Option

- Honours Bachelor of Science

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U
- Calculus & Vectors 4U
- Two of Biology 4U, Chemistry 4U, Physics 4U (completion of all three is strongly recommended)



**Minimum average required for consideration. Admission is by-selection.*

OUAC Application Deadline: January 15, 2024

Mandatory Supplementary Application Deadline: February 1, 2024

Supplementary Application

sis.mcmaster.ca/undergraduate/isci/isci-admission-requirements/

The Supplementary Application helps us learn more about you, why are you interested in iSci, and to ensure the program is the right fit for you. We aim to identify highly motivated, well-rounded students with an interest in all fields of science – students with strong communications skills, who are excited about scientific research, and can think creatively about scientific issues. There is no formula for a 'good' Supplementary Application. Be honest! Be yourself!

Why Choose Integrated Science at McMaster?

- Integration of research and education spanning all disciplines of science.
- Hands-on learning with leading researchers in state-of-the-art facilities.
- Problem-based learning in small class settings.
- Taught by interdisciplinary teams of faculty applying innovative approaches to education.
- Opportunities to work closely with faculty on research projects in laboratory and field settings.
- Research collaborations and internships with government, industrial and community partners.
- Integrated scientific literacy component in which students learn and develop scientific writing and presentation skills, ethical approaches to research.
- Integrated learning of science allows students to understand how knowledge has accumulated within and across scientific disciplines, and how new scientific thought is created and communicated.

Interested in learning more about Integrated Science? Scan the QR code or head to: **mapsci.ca/isci**

First Year at a Glance

Total: 30 units Required: 24 units

First-year courses:

- ISCI 1A24 A/B - Integrated Science I
  ISCI 1A24 A/B serves as a prerequisite for most Level II courses in Astronomy, Biochemistry, Biophysics, Biology, Chemistry, Chemical Biology, Geography, Earth Sciences, Life Sciences, Mathematics, Medical Physics, Physics, Psychology, Neuroscience & Behaviour, and Statistics.

Electives: Six units

Level I Course

ISCI 1A24 includes the following:

- **Integrated Concept Seminars (iConS)** are where key concepts and links are introduced, research project material is shared, and faculty members interact with the iSci group.
- **Field trips** challenge students to think about fieldwork, the local environment, and data collection outside the lab.
- **Labs** begin by introducing students to essential scientific skills and techniques, and progress to include experiments based on research project objectives.
- **Invited Speakers Seminars** will be presented by researchers, policymakers, and industry leaders – practicing scientists both within and outside McMaster.
- **Science Literacy Sessions** are integrated with research project requirements for information management, written and oral communication skills, and the use of scientific literature.

Beyond First Year

Beginning in Level II, students take ISCI 2A18 and may register in a **concentration** in one of the following areas:

- Biology
- Chemical Biology
- Chemistry
- Earth and Environmental Sciences
- Environmental Sciences
- Mathematics and Statistics
- Medical and Biological Physics
- Physics
- Psychology, Neuroscience & Behaviour
- Sustainable Chemistry

Future Opportunities

The iSci program opens doors to a wide range of future options. Students are prepared for post-graduate work through the application of problem-based learning within the classroom, the provision of many practical laboratory and field experiences, and the development of scientific communication skills.

Post-Graduate Studies

- Graduate programs (MSc and PhD)
- Research and development
- Medicine (medical school)
- Teacher's college
- Rehabilitation sciences (OT, PT, SLP)
- Accelerated nursing
- Dentistry
- Law school
- Pharmacy
- Optometry

Careers

Graduates currently work in some of the following careers.

- Cancer Immunology Researcher
- Senior Biomedical Communications Designer
- Research Coordinator
- Project Coordinator
- Science and Strategy Analyst
- Senior Physical Scientist

In third year, iSci students can go on an exchange to the University of Leicester, UK. Natural Sciences at Leicester features a similar learning model as McMaster and is one of the leading scientific universities in the UK.

iSci has over 3,000 square feet of redesigned lab space and is the first university lab in Canada to use neutrodine-filtered ductless fume hoods.

The ThInK Space (Thode Interactive Knowledge Space) is a library teaching classroom, featuring multimedia integration and assistive teaching technology.

Kinesiology

The Honours Kinesiology program is committed to the discovery, communication and application of knowledge through the multi-disciplinary study of human movement, exercise and the relationships between physical activity and health. Our comprehensive curriculum engages students in experiential learning. Our undergraduate students are taught by outstanding faculty, have access to state-of-the-art teaching and research labs, and benefit from our active hands-on approach to learning.

Degree Option

- Honours Bachelor of Science Kinesiology

Requirements for Ontario Admissions

Six 4U/M courses, including:

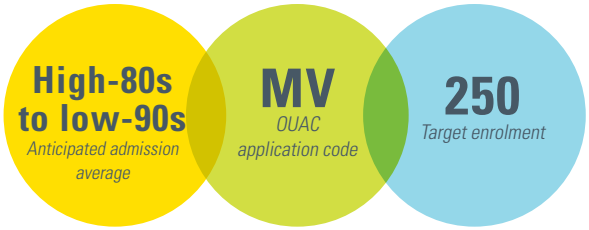
- English 4U
- Biology 4U
- Calculus & Vectors 4U

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Why Choose Kinesiology at McMaster?

- The Honours Bachelor of Science Kinesiology degree recognizes our strong, science-based curriculum.
- The quality of research being done by committed faculty members.
- Enrolment limit of 250 students allows for small lectures and even smaller labs.
- Flexibility of course selection allows for the completion of a minor in another area of interest.
- Our engaged, enthusiastic Kinesiology Society fosters a healthy and successful academic-learning environment.



First Year at a Glance

Total: 30 units Required: 15 units

First-year courses:

- Human Anatomy and Physiology I (KINESIOL 1AO3)
- Human Anatomy and Physiology II (KINESIOL 1AA3)
- Motor Control and Learning (KINESIOL 1EO3)
- Human Nutrition and Health (KINESIOL 1FO3)
- Foundations in Kinesiology (KINESIOL 1KO3)

Electives: 15 units (five courses)

Note: Calculus for Science I (MATH 1A03) or Calculus for Life Sciences I (MATH 1LS3) must be completed by the end of Level II.
See the Undergraduate Calendar for course descriptions at:
academiccalendars.romcmaster.ca

Interested in learning more about Kinesiology? Scan the QR code or head to: mapsci.ca/kin

Beyond First Year

In third and fourth year, students will be able to choose from a list of over 30 kinesiology courses. While some students tailor their course selection toward their intended career path, others choose courses from across many sub-disciplines.

Students have the option of focusing in five areas of study through upper-year course selection. These areas are integrated into second year course content to help students understand which areas of study they prefer.

Biomechanics

Facilities and research tools include anatomic computer simulation, electromyography, isokinetic systems, 3D motion capture and virtual reality.

Exercise Physiology

Physiology is essentially the study of how the body works. Our research group is particularly interested in the response of the cardiovascular and musculoskeletal systems to exercise in both healthy and diseased states.

Exercise Psychology

Research examines psychological factors that are related to adoption and maintenance of physical activity in order to better understand and develop methods to enhance participation or adherence.

Exercise Rehabilitation

Research is focused on the role of exercise in improving strength, fitness, health and well-being in special populations, such as senior citizens, people with spinal cord injury and in those coping with chronic diseases (e.g., cardiovascular disease, multiple sclerosis, osteoarthritis).

Motor Control & Learning

The research labs are equipped with state-of-the-art research tools, including 3D motion-capture TMS and image-guided stimulators, eye-trackers, electrophysiological measurement devices, robotic manipulanda and driving simulators.

PACE: Physical Activity Centre for Excellence

pace.mcmaster.ca

Many kinesiology professors undertake their research in the Physical Activity Centre for Excellence in Health Research (PACE), which contains five community-based exercise programs: MSFITT, MacWarriors, MacCardiac Rehabilitation, MacSeniors, and MacWheelers. The centre is state-of-the-art and contains some of the most sophisticated exercise rehabilitation equipment in the world. The research laboratories and community programs provide opportunities for undergraduate students to gain both practical and theoretical experiences.

MAP Start your journey at: mapsci.ca

The Kinesiology program will be introducing Co-Operative Education in 2024 pending approval.

Each year, more than 200 students contribute nearly 30,000 hours serving community members at the Physical Activity Centre of Excellence (PACE).

KINESIOL 1ED3 is a new course geared toward enhancing critical knowledge, capacity, and competency in relation to applying equity, diversity, and inclusion principles through learning and practice.

Future Careers

Some of our recent graduates work in the following careers:

- Clinical advisor
- Physiotherapist
- Physical activity ambassador
- Workplace accommodations specialist
- Eligibility adjudicator
- Exercise Prescription Specialist
- Kinesiologist
- Athletic development specialist

Our graduates are well-prepared to continue their studies in many professional or graduate programs, including:

- Medicine
- Physiotherapy
- Chiropractics
- Occupational therapy
- Dentistry
- Education
- Biomechanics
- Cardiac rehabilitation
- Ergonomics
- Exercise physiology

Medical Radiation Sciences

Radiation Therapy
Radiography
Ultrasonography

Medical Radiation Sciences encompass the health professions that employ various forms of radiation in the diagnostic and therapeutic care of patients and is one of the fastest-growing primary healthcare fields. The Medical Radiation Sciences health professions are intellectually, emotionally and physically demanding. It is important that students become familiar with the profession(s) before entering the program to ensure that they are able to function at an acceptable standard.

Degree Option

- Honours Bachelor of Medical Radiation Science + Advanced Diploma

Requirements for Ontario Admissions

Six 4U/M courses, including:

- English 4U
- Advanced Functions 4U
- Calculus & Vectors 4U
- Biology 4U
- Chemistry 4U

High-80s
Anticipated admission average

MRS
OUAC application code

115
Target enrolment

Out-of-country applicants must hold permanent residence or Canadian citizenship to practice in Canada following completion of their degree.

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Why Choose Medical Radiation Sciences at McMaster?

- Three areas of specialization to choose from, after Level I.
- Four-year integrated curriculum linking theory and clinical education that includes two Spring/Summer terms.
- Limited enrolment program allows for small class sizes.
- Practice of pre-clinical skills in simulated skills labs.
- Access to extensive medical imaging facilities, including enhanced radiography, computed tomography, and ultrasound.
- Three terms of clinical education allow for valuable hands-on experience in a variety of healthcare settings across Ontario.

First Year at a Glance

Total: 30 units Required: 24 units

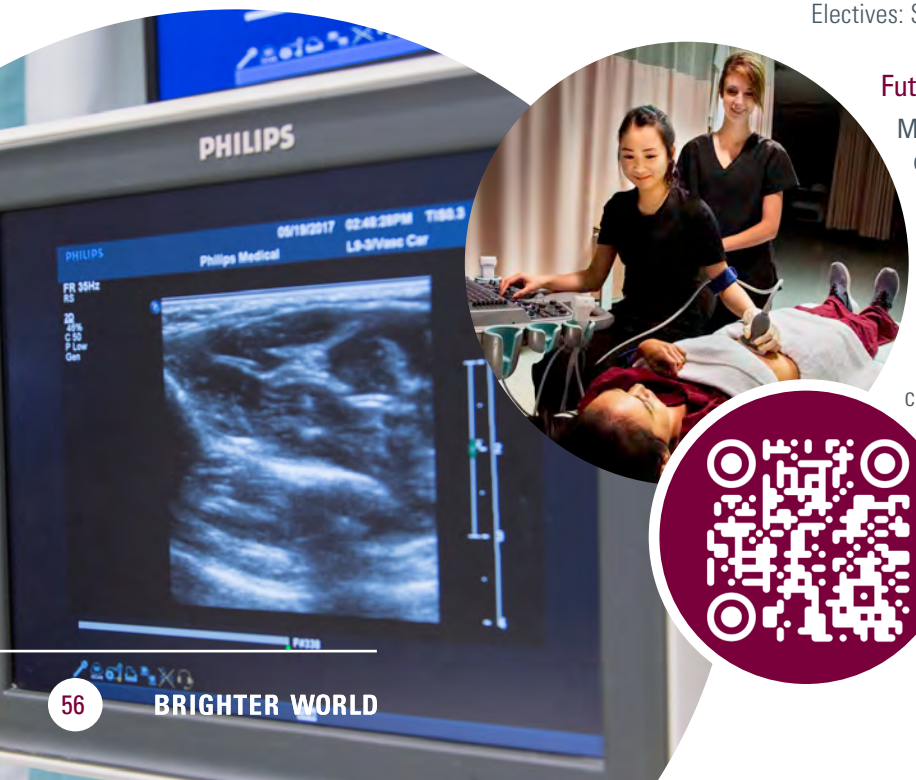
First-year courses:

- Medical Imaging Physics (LIFESCI 1DO3)
- Introduction to Pathology (MEDRADSC 1BO3)
- Inquiry in Medical Radiation Sciences (MEDRADSC 1EO3)
- Professions in Medical Radiation Sciences (MEDRADSC 1FO3)
- Cellular and Molecular Biology (BIOLOGY 1AO3)
- Human Anatomy and Physiology I (KINESIOL 1YO3)
- Human Anatomy and Physiology II (KINESIOL 1YY3)

Three units (one course) from:

- Calculus for Science I (MATH 1AO3)
- Calculus for the Life Sciences I (MATH 1LS3)
- Applied Calculus (MATH 1MM3)

Electives: Six units



Future Careers

Medical Radiation Sciences graduates are well-equipped to work in following settings:

- Commercial companies
- Community and teaching hospitals
- Independent diagnostic imaging centres
- Physicians' offices
- Regional cancer centres

Post-graduate studies in magnetic resonance, cardiac or ultrasound are also an option.

Interested in learning more about Medical Radiation Sciences? Scan the QR code or head to: mapsci.ca/mrs

Beyond First Year

The attainment of both an Ontario College Advanced Diploma and an Honours Bachelor of Medical Radiation Sciences degree is achieved through a fully integrated program offered jointly by Mohawk College and McMaster University. This program allows students to specialize in one of the following three areas, starting in Level II:

Radiation Therapy

Medical radiation therapists design treatment plans, calculate radiation dose, position the patient and administer radiation therapy.

Radiography

Medical radiation technologists play a vital role in the diagnosis and treatment of many illnesses and injuries, using X-ray and other forms of electromagnetic energy.

Ultrasonography

Diagnostic medical sonographers use sound waves to generate an image that is used to assess and diagnose various medical conditions.

Clinical Practice: Experiential Learning

As a Medical Radiation Sciences student, you will gain hands-on experience in the field, through placements in a variety of hospitals and independent health facilities across Ontario. You must prepare financially and personally to pay the course fees (equal to one-term tuition) for your clinical placement as well as any relocation and commuting costs.

Clinical Practice Schedule

1st Year			2nd Year			3rd Year			4th Year	
Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter	Spring/ Summer	Fall	Winter

Legend

School term

Work term

Program Facilities

Medical Imaging Laboratories

- Four general radiography units with computed radiography (CR) capabilities
- One direct-read (DR) digital radiography unit
- Multi-slice computed tomography (CT) scanner
- Mammography unit
- Five state-of-the-art ultrasound units
- Simulated ultrasound scanning system
- Connectivity to digital imaging networks
- Radiation therapy simulator and treatment planning systems

Patient Care and Nursing Skills Laboratory

- Simulated hospital-ward environment
- Computerized patient mannequins
- Anatomical models

Image Viewing and Manipulation Laboratory

- Two-Picture Archiving and Communication Systems (PACS)
- Database of teaching files of medical images

Location of clinical placements, are typically throughout the GTA. Student may participate in placements across Ontario.

High demand for Medical Radiation Technologists/ Therapists and Diagnostic Medical Sonographers in growing communities.

Graduates can expect to make an average starting salary between $65,000–$70,000.

Social Sciences I

Social Sciences examine the social, cultural, and global phenomena that impact individuals, groups, institutions, and societies. Our 12 departments offer unique, interconnected disciplines through which you can pursue your undergraduate degree. With 260+ degree combinations, you'll be able to customize your experience and be ready to make a difference in the world. Our graduates enjoy success beyond the classroom, whether they enter the job market, become entrepreneurs, apply to professional schools, or pursue graduate studies.

Degree Options

- Honours Bachelor of Arts (Honours BA)
- Combined Honours Bachelor of Arts (Honours BA)
- Honours Bachelor of Social Work (BSW)
- Honours Bachelor of Arts Co-Op (Honours BA)
- Bachelor of Arts (BA)

Requirements for Ontario Admissions

Six 4U/M courses, including:

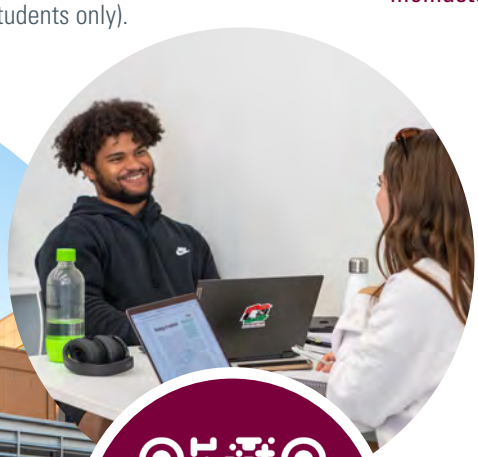
- English 4U

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Why Choose Social Sciences at McMaster?

- Learn from world-renowned researchers, scholars and practitioners at Canada's most research-intensive university.
- Earn a McMaster University degree and a Mohawk College certificate at the same time, with no additional fees.
- Gain hands-on work experience through co-ops, internships and placements with help from the Careers & Experiential Education team.
- Accelerate your success with first-year foundation courses to help you develop core study skills and habits.
- Receive three units of advanced credit in Level I for completing an approved Specialist High Skills Major (SHSM) program in high school (Ontario students only).



Low- to mid-80s
Anticipated admission average

ML
OUAC application code

855
Target enrolment

First Year at a Glance

Total: 30 units Required: 18 units

In Social Sciences, you'll start your academic journey in one of our three first-year entry pathways: Economics I, Health, Aging and Society I, or Social Sciences I.

In Social Sciences I, you will take at least six three-unit courses (18 units) from course list one or course list two in the Academic Calendar. Use your remaining four three-unit courses to explore courses in other disciplines at McMaster.

Each of our entry programs will allow you to sample a variety of disciplines to see which areas interest you. Then, at the end of your first year, you'll apply to the disciplines that excite you most. That discipline will become your major, but you can add a second major or a minor to your degree to explore multiple areas and carve out a niche for yourself.

Visit our Undergraduate Academic Calendar for full course listings: mcmastersocsci.info/socialsciences1

Interested in learning more about Social Sciences I? Scan the QR code or head to: socialsciences.mcmaster.ca

Career Preparation

Co-Op

The Faculty of Social Sciences has three co-operative education (co-op) program options in Economics, Political Science and Work and Labour Studies. Each co-op program option adds up to one year of full-time, paid work experiences to your degree as well as career development support courses and job coaching. In co-op, you will typically alternate between regular academic and full-time work terms. Your studies will benefit from the practical insights and skills learned on the job as you switch between the classroom and workplace. Space is limited for these high-demand program options.

Three co-op program options are now available:

- Economics Co-Op (Honours BA)
- Work and Labour Studies Co-Op (Honours BA)
- Political Science Co-Op (Honours BA)

Career Placements

Through connections with employers and community partners, we offer a variety of paid co-ops, internships and in-course academic placements. Placements allow you to gain experience, explore careers, and work with community organizations while developing skills and building your résumé.

Professional Development

Through career-focused events and activities, you will learn from current professionals and alumni about the many unique career paths that are open to you as a Social Sciences student and build your network of professional contacts. One-on-one job search and career exploration support is also available, including résumé and cover-letter critiques, and networking advice.

Careers & Experiential Education Courses

We've built academic and career development right into our courses. In SOCSCI 2EL0, you can learn how to plan your future career, refine your job search strategies, develop essential leadership skills, and apply classroom theories.

Build Your Résumé

One benefit of attending a top research university is that you can begin your research career during your undergraduate studies. Apply to the Undergraduate Student Research Awards and add paid research to your résumé before graduation. Alternatively, you can apply to the Student Experience Fund to attend professional conferences, participate in hands-on learning experiences, or volunteer abroad.

Customize Your Degree

A degree in Social Sciences gives you the essential skills you need to build a successful career, but why stop there? Enhance your expertise and credentials to help take your career even further. Some of the available certificates and minors include:

- Mohawk Affiliated Certificate in Business Studies
- Mohawk Affiliated Certificate in Disability Management
- Mohawk Affiliated Certificate in Leadership and Management
- Concurrent Certificate in Applied Social Sciences Research
- Concurrent Certificate in Social Innovation
- Concurrent Certificate in Work and Labour Relations
- Minor in Health, Well-Being & Religion
- Minor in Leadership & Civic Studies
- Minor in Mental Health, Addiction and Society
- Minor in Public Leadership
- Interdisciplinary Minors in Community Engagement, Latin American and Latinx, and Social Justice and Inclusive Communities

90% employment rate within six months of graduating.

McMaster/Mohawk Affiliated Certificates are exclusive to Social Sciences students.

We have more than 100 exchange agreements with universities around the world.

McMaster Exchange Program & Independent Study Abroad

Now more than ever, our world is interconnected. To be successful personally and professionally, you must become a global citizen skilled at interacting between multiple cultures and capable of analyzing issues on a global level. When you participate in an exchange you build your global competence and become a citizen of the world while you earn credits toward your degree.

Level II Program Options

Anthropology anthropology.mcmaster.ca

Understand human diversity across time and space and how we are shaped by the cultural, social, political, and historical contexts in which we live. Culture, technology, society, politics, and history impact so much of our human experience. Anthropologists help us understand those complex relationships that shape our globalized world.

First-year courses
- Sex, Food and Death (ANTHROP 1AA3)
- Race, Religion, and Social Justice (ANTHROP 1AB3)

Possible careers
- Human resources
- Heritage planning
- Archaeological field technician
- Cultural resource manager

Economics economics.mcmaster.ca

Economics is the science of choice. Economists study how individuals, businesses and governments make decisions and how these decisions impact society. We offer a wide variety of courses that examine issues, such as taxation policies and public expenditure, labour markets, and environmental regulation.

First-year courses
- Introductory Microeconomics (ECON 1BO3)
- Introductory Macroeconomics (ECON 1BB3)
- Intro to Mathematical Economics (ECON 1ME3)

Possible careers
- Lawyer
- Policy researcher
- Financial planner
- Market researcher
- Economic analyst
- Budget analyst

Environment & Society mcmastersocsci.info/environmentandsociety

Environment & Society focuses on the dynamic relationship between human populations and the natural, social, and built environments they inhabit. You will explore how to solve the human challenges related to environmental change, globalization, urbanization, health and social inequalities, and transportation. Graduates from this program will receive a Bachelor of Arts degree.

First-year courses
- Society, Culture & Environment (ENVSOCTY 1HA3)
- Populations, Cities & Development (ENVSOCTY 1HB3)

Possible careers
- Environmental analyst
- GIS analyst
- Urban planner
- Policy analyst
- Community developer

Health, Aging and Society healthagingandsociety.mcmaster.ca

Understand the social impacts of health and/or aging from an interdisciplinary perspective. Engaging with communities and sharing perspectives lead to real-world solutions to improve well-being. Our programs will equip you to approach those issues through the critical and constructive social science lens.

First-year courses
- Health and Society (HLTHAGE 1AA3)
- Aging and Society (HLTHAGE 1BB3)
- Mental Health and Illness (HLTHAGE 1ZZ3)

Possible careers
- Health policy / social policy researcher
- Care coordinator
- Mental health researcher
- Recreation/activation staff in long-term care

Indigenous Studies indigenous.mcmaster.ca

Understand the intellectual and cultural traditions of Indigenous peoples through the lenses of traditional knowledge and rigorous scholarship. Indigenous Studies focuses on the intellectual and cultural traditions of Indigenous peoples in the areas of history, language, medicine, health and wellness, creative arts, literature, economy, activism, community and political dynamics, peace building, spirituality, and traditional ecological knowledge.

First-year courses
- Indigenous Studies (INDIGST 1AO3)
- Contemporary Indigenous Studies (INDIGST 1AA3)
- Reconciling What? Indigenous Relations in Canada (INDIGST 1BO3)

Possible careers
- Community development
- Indigenous advocacy and social services
- Policy analyst/consultant
- Public health
- Education and outreach

Political Science politicalscience.mcmaster.ca

Understand the impact of power: Who has it, how it's used and to what end. Political science is crucial for solving the most complex social problems faced by citizens, firms and governments. Effective solutions require analyzing legal systems, political power and personal motivations, both domestically and globally.

First-year courses
- Government, Politics, and Power (POLSCI 1AA3)
- Politics and Power in a Globalizing World (POLSCI 1AB3)

Possible careers
- Policy analyst
- Data analyst
- Political consultant
- Public relations officer

Psychology, Neuroscience & Behaviour (PNB) mcmastersocsci.info/pnb

Understand the interaction between the brain and behaviour. As a science and a practice, Psychology, Neuroscience & Behaviour gives you a strong foundation to work in applied or scientific psychology. As clinicians, counsellors, or other practitioners, psychologists apply scientific understanding toward helping individuals, institutions, and society deal with issues relating to human behaviour and happiness. Graduates from this program will receive a Bachelor of Arts degree.

First-year courses
- Survey of Psychology (PYSCH 1F03)
- Survey of Biological Basis of Psychology (PYSCH 1FF3)
- Psychology, Neuroscience & Behaviour (PYSCH 1X03)
- Foundations of Psychology, Neuroscience & Behaviour (PYSCH 1XX3)

Possible careers
- Clinical psychology
- Forensics
- Biomedical research
- Speech and hearing pathologist
- Neuroscience

Social Psychology socialpsychology.mcmaster.ca

Examine how individuals are influenced by their relationships and social groups. In Social Psychology, you'll study the relationship between social interaction, mental health, and well-being from an interdisciplinary perspective. Courses allow you to understand how people develop over time and behave in different situations.

First-year courses
- Social Psychology (SOCPSY 1Z03)
- Survey of Psychology (PYSCH 1F03)
- Psychology, Neuroscience & Behaviour (PYSCH 1X03)
- An Introduction to Sociology (SOCIOL 1Z03)

Possible careers
- Counselling/ Psychotherapy
- Law
- Human resources
- Occupational therapy
- Journalism
- Public health

Social Work socialwork.mcmaster.ca

Educating for social justice. We provide you with a way to turn your concern for people into ethical practice approaches with individuals, families and communities. Our program prepares you for the general practice of social work by developing two essential aspects: the capacity to analyze personal, community, family and societal problems; and practical skills such as interviewing, counselling, community development, social action and advocacy.

First-year courses
- So You Think You Can Help? Introduction to Social Work I (SOCWORK 1AA3)
- Re-Imagining Help: Introduction to Social Work II (SOCWORK 1BB3)

Possible careers
- Counsellor
- Advocate
- Social services
- Social planner
- Policy analyst
- Social worker

Society, Culture & Religion religiousstudies.mcmaster.ca

Religion is an integral part of human cultures and civilizations. The study of religion is one of the most comprehensive ways of understanding humankind and human visions of reality. The Society, Culture & Religion program examines how religion influences and shapes the world.

First-year courses
- What on Earth Is Religion? (SCAR 1B03)
- The Big Questions: Introduction to Society, Culture and Religion (SCAR 1SC3)

Possible careers
- Civil service
- Government agencies
- Human resources management
- Conflict resolution

Sociology sociology.mcmaster.ca

Sociology is the study of society. Education, family, culture, social class and gender impact so much of our social experience and worldview. Sociology explains how these personal experiences interact with the organizational context of society. It is a discipline that examines social relationships, social processes, social institutions, and other social issues.

First-year courses
- Sociology (SOCIOL 1Z03)
- Canadian Society: Social Problems, Social Policy, and the Law (SOCIOL 1C03)

Possible careers
- Education
- Data analysis
- Human rights
- Journalism and media
- Law and criminal justice
- Social services

Work and Labour Studies labourstudies.mcmaster.ca

In the School of Labour Studies, you'll explore how work is changing in Canada and across the globe. You'll learn to ask critical questions such as: How are new technologies – like robots – impacting our jobs? How can we achieve gender and racial equity at work? Why are so many new jobs temporary or precarious?

First-year courses
- Work and Labour in Canada (WORKLABR 1A03)
- Technology and the Future of Work (WORKLABR 1D03)
- Navigating the World of Work (WORKLABR 1E03)

Possible careers
- Human resources manager
- Human rights and labour lawyer
- Labour relations manager
- Policy analyst

Economics I

How will new international trade agreements affect jobs and wealth? Does cutting business taxes help spur growth? How are professional athletes' salaries determined? Examining important questions are part of studying Economics at McMaster. Specific areas of focus include international trade, healthcare, international finance, taxation and public expenditure.

Degree Options

- Honours Bachelor of Arts (Honours BA)
- Honours Bachelor of Arts Co-Op (Honours BA)
- Combined Honours Bachelor of Arts (Honours BA)
- Bachelor of Arts (BA)

Requirements for Ontario Admissions

Six 4U/M courses, including:

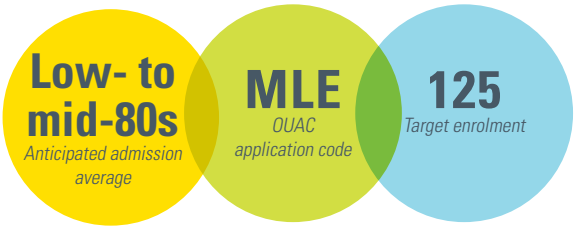
- English 4U
- Advanced Functions 4U
- Calculus & Vectors 4U

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Why Choose Economics at McMaster?

- Learn from internationally and nationally recognized faculty members and researchers.
- Specialist track provides preparation for the top MA Economics programs worldwide.
- Benefit from the unique opportunities and expertise at McMaster's prestigious Economics research centres.
- Develop in demand quantitative analysis skills – key for career success now and in the future.
- Receive three units of advanced credit in Level I for completing an approved Specialist High Skills Major (SHSM) program in high school (Ontario students only).



First Year at a Glance

Total: 30 units Required: 18 units

First-year courses:

- Introductory Microeconomics (ECON 1BO3)
- Introductory Macroeconomics (ECON 1BB3)
- Introduction to Mathematical Economics (ECON 1ME3)

Electives: 12 units

In Economics I, you will take nine units of required courses, nine units from the Social Sciences course list and use your remaining 12 units to explore courses in other disciplines at McMaster.

Visit our Undergraduate Academic Calendar for full course listings: mcmastersocsci.info/economics1

For Combined Honours Economics and Computer Science and Combined Honours Economics and Mathematics, additional Level I courses are required.

Interested in learning more about Economics I? Scan the QR code or head to: economics.mcmaster.ca

Beyond First Year

After successful completion of Level I, you will declare your major to enter one of the following degree programs:

- Honours Economics
- Honours Economics (Specialist Option)
- Honours Economics (Co-Op)
- Combined Honours Economics and another subject
- Combined Honours Economics and Computer Science
- Combined Honours Economics and Mathematics
- BA Economics

Course Examples

Economics elective courses include:

- International Trade
- Financial Economics
- Health Economics
- Economics of Professional Sports
- Environmental Economics
- Monetary Economics
- Statistics

Gain research experience with one of our seven economics research centres, labs and facilities.

Myron Scholes '62 & '97, one of our Economics Alumnus, is a Nobel Prize winner in Economic Sciences.

Expand your career opportunities with the Mohawk Affiliated Certificate in Business Studies.

Co-Op in Economics

Add up to one year of full-time, paid work experience to your Economics degree. You can apply to declare Economics Co-Op Program Option as your major in Level II. In co-op, you will typically alternate between regular academic and full-time work terms. Your studies will benefit from the practical insights and skills learned on the job as you switch between the classroom and workplace. Space is limited for these high-demand program options.

Potential co-op positions in Economics include:

- Data analyst
- Junior economist
- Project lead
- Taxpayer services agent

My favourite part of studying economics at McMaster, is the opportunity to take courses and even minor in other programs within the Faculty of Social Sciences. Everything from political science to anthropology. There is no limit to what I can do with my degree.

Kenchoni Otono
Economics Student

Health and Society I

Health and healthcare are evolving globally at a rapid pace. This program prepares you to examine health and illness through the lens of the Social Sciences. You will experience small class sizes with an emphasis on experiential education and community-partnered research.

Degree Options

- Honours Bachelor of Arts (Honours BA)
- Combined Honours Bachelor of Arts (Honours BA)
- Bachelor of Arts (BA)

Requirements for Ontario Admissions

Six 4U/M courses, including:

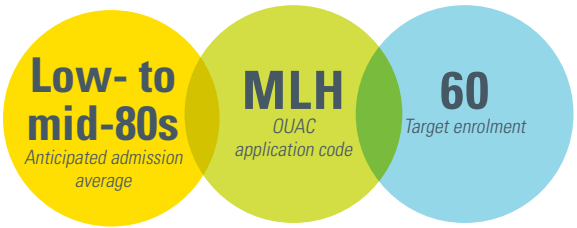
- English 4U

OUAC Application Deadline: April 1, 2024*

Some programs **may stay open beyond this deadline, depending on capacity. It is recommended to apply as soon as possible.*

Why Choose Health and Society at McMaster?

- Learn about the social causes and impacts of health from faculty members in a variety of disciplines, including sociology, geography, political science, economics, and more.
- Gain first-hand experience and make a difference with community-partnered research.
- Specialize in demand fields and topics like mental health and addiction.
- Build a solid foundation from which to pursue professional and graduate school programs.
- Receive three units of advanced credit in Level I for completing an approved Specialist High Skills Major (SHSM) program in high school (Ontario students only).



First Year at a Glance

Total: 30 units Required: 18 units

In Health and Society I, you will take at least three three-unit required courses (nine units) and two to three three-unit courses from the Social Sciences required course list. Use your remaining four three-unit courses to explore courses in other disciplines at McMaster.

Visit our Undergraduate Academic Calendar for full course listings: mcmastersocsci.info/healthandsociety1

Future Careers

- Health planner
- Healthcare administrator
- Community health educator
- Public health analyst
- Policy analyst
- Corporate wellness specialist
- Health information specialist

Interested in learning more about Health & Society I? Scan the QR code or head to: healthagingandsociety.mcmaster.ca

Beyond First Year

After successful completion of Health and Society I, you will declare your major to enter one of the following degree programs:

- Honours Health and Society
- Honours Aging and Society
- Honours Health and Society, Specialization in Mental Health and Addiction
- Honours Aging and Society, Specialization in Mental Health and Addiction
- Combined Honours Aging and Society and Health and Society
- Combined Honours Health and Society and another subject
- Combined Honours Aging and Society and another subject
- BA in Health, Aging and Society

Program Spotlight! Specialization in Mental Health and Addiction

Develop an in-depth understanding of the relationship between mental health, addiction, and society. Examine the links between mental health and wider social processes, including marginalization, deviance, and the social determinants of health. You will also gain a solid understanding of mental illness and some of the ways in which social change and other non-biomedical interventions can be harnessed to address issues related to mental health and addiction and promote well-being.

Add the Mohawk Affiliated Certificate in Disability Management to your degree to customize your experience.

Explore diverse career pathways in HLTHAGE 4U03: Professions and Occupations in Health and Aging.

Conduct hands-on research with an Undergraduate Student Research Award.

Field Experience

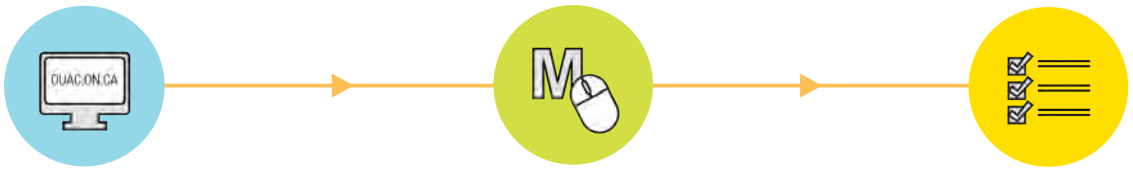
Field experience provides you the opportunity to interact in a community agency or institution. You will gain practical, hands-on experience and learn critical skills within the sector. You will also learn highly sought-after transferable skills, like communication, critical thinking and research and analysis.

Field experience courses are typically taken in your third year. You may take either HLTHAGE 3BB3: Field Experience or HLTHAGE3EE3: The Practice of Everyday Life: Observations and Inquiry.

I chose Health & Society because of the multitude of opportunities available through this degree. There is something for everyone in Health & Society I, whether that be government work, healthcare administration, different paths of therapy and so much more.

Maia Ferguson
Health & Society Student

How to Apply | UNDERGRAD



Refer to the Admissions Requirements chart to learn about prerequisites and any mandatory deadlines. Submit an Undergraduate Application on the Ontario Universities' Application Centre (OUAC).

Once your OUAC application and fees have been submitted, you will receive an application acknowledgement email in 2–3 business days with details on how to set up your MacID and access your application portal.

Familiarize yourself with the application portal and review your application checklist. If we need supporting document(s), it will be listed here.

Timing of Offers

Current Ontario high school students:
First Round: Late-February–early-March

- Based on final grades in a minimum of three 4U/M courses and registration in any remaining required 4U/M courses (for a minimum of six courses), OR grades from six interim 4U/M courses (inclusive of required courses).

Second Round: Late-April–early-May

- Based on grades in six 4U/M courses (inclusive of required courses).

Canadian high school students outside of Ontario:
Offers are made on a rolling basis

- A minimum of three Grade 12 courses, with interim or final grades, and registration in any remaining required courses must be provided for an assessment to be made.

ADDITIONAL ADMISSIONS INFORMATION

future.mcmaster.ca/apply/requirements

Summer School / Night School / Correspondence

- Courses of this variety delivered by a Ministry-inspected school may be used for admission purposes without penalty.
- Courses completed after June 30th (immediately prior to the Fall intake) cannot be used for admission purposes.

Alternate Offers/Multiple Applications

- McMaster does not automatically make alternate offers of admission.
- **Current Ontario high school students:** You will be reviewed for all program choices.
- **Canadian high school students outside of Ontario:** If you select more than one McMaster program, you will be reviewed for the highest choice program. Should you be ineligible for your highest-choice, subsequent program choices will be reviewed in the order of ranked preference. Any by-selection programs selected, regardless of choice order, will be reviewed. A by-selection program is a program for which we consider a mandatory supplementary application, audition, or creative submission in addition to your grades.

Repeated Courses

- If you have repeated up to two courses, the highest mark reported will be used to calculate your admission average.
- If you repeat more than two courses, or an individual course three or more times, you may be asked to provide a letter of explanation, which may be considered when determining admission.

Advanced Credit

- Advanced credit is assessed at the request of the applicant after accepting their offer of admission and clearing conditions of admission as outlined in their offer letter.
- **International Baccalaureate (IB):** Diploma or certificate students may request advanced credit, of up to 18 units, for completion of higher level subjects with a minimum final grade of 5, at the discretion of the faculty.
- **Advanced Placement (AP):** AP students may request advanced credit, of up to 18 units, for completion of AP exams in acceptable subjects with a minimum final score of 4, at the discretion of the faculty.

Additional Notes

- Grade 11 grades will not be used, except for those applying to Midwifery. Midwifery will replace any missing required course grades with equivalent Grade 11 grades in order to calculate an average that will be used for determining invitation to interview (provided the outstanding Grade 12 required courses are registered with a completion date of June 30, 2024).
- Some by-selection programs (Bachelor of Health Sciences, Integrated Science, Arts & Science, Nursing, and Midwifery) will make their offers of admission in late April/early May based on a combination of grades and supplementary application review.
- All courses related to offers of admission must be completed by June 30, 2024.

For more information, please refer to the "Admissions Requirements" section on future.mcmaster.ca.

English Language
PROFICIENCY REQUIREMENTS

The chart below lists English Language Proficiency tests accepted by McMaster, along with their respective minimum score requirements. Typically, the English language proficiency test result must be written within two years of starting at McMaster.

You will be required to submit an English Language Test if you have not:

- Resided in an English-speaking country for at least four years immediately prior to September 2024; OR
- Attended an English-medium educational institution in a full-time academic (non-ESL) program for at least four years immediately prior to September 2024. Official documentation from the school is required for this exemption. The admission committee reserves the right to require an English Language Proficiency Test at its discretion.

English Language Test	Requirements for entry to Level I	MELD requirements	STEP requirements
Duolingo	• Minimum overall score of 120	• MELD Minimum 75–114	STEP Minimum 115–119
International English Language Testing Systems (IELTS)	• Minimum overall score of 6.5 • Minimum score of 6 in each of the four components: reading, writing, speaking, and listening	• MELD minimum: 5.0	• STEP overall score of 6.5 • STEP minimum score of 6 in reading and writing, and minimum score of 5.5 in speaking and listening
Test of English as a Foreign Language (TOEFL)	• Minimum overall score of 86 • Minimum score of 20 in each of the four components: reading, writing, speaking, and listening	• MELD minimum: 70	• STEP overall score of 86 • STEP minimum score of 20 in reading and writing, minimum score of 16 in speaking, and minimum score of 11 in listening

For a complete list of acceptable tests and their respective minimum scores, please visit: future.mcmaster.ca/english-proficiency/

English Language Programs & Supports

MELD

McMaster English Language Development (MELD) Diploma
meld.humanities.mcmaster.ca/diploma

MELD is an eight-month, academic bridging program designed for international students whose primary language is not English, and who are looking to improve their communication skills to succeed in an undergraduate program. Students who meet the academic requirements for one of our undergraduate programs but do not meet the minimum English-language proficiency scores may wish to consider applying to MELD.

- Earn credits toward your degree while in MELD
- Over $40,000 in scholarships available to top MELD students
- Over 93% of MELD graduates successfully complete undergraduate programs

STEP

Summer Transition through English Prep (STEP) Certificate
meld.humanities.mcmaster.ca/step

The STEP certificate program is an intensive six-week academic bridging program designed for English-language learners who wish to pursue undergraduate studies, and almost meet the university's language proficiency requirements. During the STEP program, students will develop the skills necessary for a successful transition in September to their undergraduate program.

- Reinforce literacy skills
- Heighten academic skills
- Learn to convey ideas effectively
- Strengthen critical and analytical skills
- Develop best practices for academic communication

MODEL

McMaster Office for the Development of English Language Learners (MODEL)
meld.humanities.mcmaster.ca/model

MODEL is a **free** service designed to help undergraduate and graduate students whose first language is not English.

- Developed by language specialists for language learners
- Small group sessions
- Individual sessions

Ontario Admissions Requirements

Level I Program (OUAC Code)	Grade 12 U/M Requirements 6 Courses Including*	Anticipated Admission Range**	Target Enrol.	Notes and Additional Requirements
ARTS & SCIENCE				
Arts & Science I (MX)	• ENG4U • One of: MHF4U, MCV4U • Two of the four remaining credits must be at the U level	Admission is by-selection. A minimum of **88%** is required for consideration.	70	• **OUAC application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** February 1, 2024 • Details: **artsci.mcmaster.ca** • MCV4U is highly recommended
DEGROOTE SCHOOL OF BUSINESS				
Business I (MB)	• ENG4U, MHF4U, MCV4U	**High-80s**	800	• Internship opportunities available • **Optional supplemental application deadline:** February 1, 2024 • Details: **ug.degroote.mcmaster.ca/apply/supplemental-application**
Integrated Business and Humanities I (MBH)	• ENG4U, MCV4U	Admission is by-selection. A minimum of **88–92%** is required for consideration.	60	• **Application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** February 1, 2024 • Details: **ug.degroote.mcmaster.ca/ibh** • Internship opportunities available
ENGINEERING				
Bachelor of Technology: (3 Streams) • Automation Systems Engineering (MPT) • Automotive and Vehicle Engineering Technology (MAT) • Biotechnology (MTT)	• ENG4U, MCV4U, SCH4U, SPH4U	Admission is by-selection. **80%** minimum anticipated admission average.	240	• Mandatory co-op • Each stream is a separate program choice on the OUAC application • OUAC Application Deadline: January 15, 2024 • Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET
Computer Science I (MCC or MC) (Co-op and non-co-op)	• ENG4U, MCV4U • Two of: SBI4U, SCH4U, SPH4U, SES4U, ICS4U, TEJ4M	Admission is by-selection. **90%** minimum anticipated admission average.	200	• Co-op available • OUAC Application Deadline: January 15, 2024 • Mandatory Supplementary Application Deadline: January 26, 2024 at noon ET
Engineering I (MEC or ME) (Co-op and non-co-op)	• ENG4U, MCV4U, SCH4U, SPH4U	Admission is by-selection. A minimum of **87%** is required for consideration.	900	• Co-op available • **Application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** January 26, 2024 at noon ET • Applicants with a strong admission average may qualify for free choice of discipline in Level II
INTEGRATED BIOMEDICAL ENGINEERING AND HEALTH SCIENCES (iBIOMED)				
Integrated Biomedical Engineering and Health Sciences I (MEI or MEH) (Co-op and non-co-op)	• ENG4U, MCV4U, SCH4U, SPH4U, SBI4U	Admission is by-selection. A minimum of **90%** is required for consideration.	155	• **Application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** January 26, 2024 at noon ET • Co-op available
HEALTH SCIENCES				
Bachelor of Health Sciences (MNS)	• ENG4U, SBI4U, SCH4U • One of: MHF4U, MCV4U, MDM4U • One non-math, non-science, non-technology 4U or 4M credit	Admission is by-selection. A minimum of **90%** is required for consideration.	240	• **Application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** February 2024 • Details: **bhsc.mcmaster.ca** • Search acceptable courses for fifth requirement: **future.mcmaster.ca/programs/health-sciences/**
Midwifery I (MY)	• ENG4U, SBI4U, SCH4U	Admission is by-selection. A minimum of **75%** is required for consideration.	45	• **Application deadline:** January 15, 2024 • Students must complete a Casper assessment on one of the dates listed on the Casper website. • Students must complete the Identity and Admissions Survey by February 1, 2024. • Interviews are by invitation • Students must obtain a minimum grade of 75% in each of the required courses as well as their overall average • Applicants must be Canadian citizens or have permanent resident status
Nursing I MN (McMaster University) MNM (Mohawk College)	• ENG4U, SBI4U, SCH4U • One of: MHF4U, MCV4U, MDM4U	Admission is by-selection. A minimum of **85%** is required for consideration.	150 (per site)	• **Current Ontario high school students application deadline:** January 15, 2024 • **All other applicants deadline:** February 1, 2024 • Students must complete a Casper assessment on one of the dates listed on the Casper website. • **Details: nursing.mcmaster.ca/prospective-students/admission**

Ontario Admissions Requirements (continued)

Level I Program (OUAC Code)	Grade 12 U/M Requirements 6 Courses Including*	Anticipated Admission Range**	Target Enrol.	Notes and Additional Requirements
HUMANITIES				
Humanities I (MH)	• ENG4U	High-70s	480	• SBI4U is recommended for students planning to enter the Cognitive Science of Language Program • Internships available
Music (MM)	• ENG4U	78%, plus a successful audition.	20	• Music auditions/examinations take place between February and April, 2024 • Contact **sota@mcmaster.ca** to schedule an appointment • SBI4U is recommended for students planning to enter the Music Cognition Program • Internships available
iArts (Integrated Arts) (MHI)	• ENG4U	78%, plus successful electronic creative submission.	40	• Creative submissions due February 1, 2024 • Details: **sota.humanities.mcmaster.ca/undergraduate-programs/iarts/apply-now/**
SCIENCE				
Chemical and Physical Sciences (MPS)	• ENG4U, MHF4U, MCV4U, SCH4U, SPH4U	Mid- to high-80s	100	• Co-op available in some degree programs
Environmental and Earth Sciences (MEE)	• ENG4U • One of: MHF4U, MCV4U • One of: SBI4U, SCH4U • One of: MHF4U, MCV4U, SBI4U, SCH4U, SPH4U	Mid- to high-80s	85	• Co-op available in some degree programs • Applicants without MCV4U will be required to take an equivalent calculus course in Level I
Integrated Science – iSci (MIS)	• ENG4U, MHF4U, MCV4U • Two of: SBI4U, SCH4U, SPH4U	Admission is by-selection. A minimum of **high-80s** is required for consideration.	60	• **Application deadline:** January 15, 2024 • **Mandatory supplementary application deadline:** February 1, 2024 • Details: **science.mcmaster.ca/isci**
Kinesiology (MV)	• ENG4U, SBI4U, MCV4U	High- 80s to low-90s	250	• PSK4U is recommended
Life Sciences (MLS)	• ENG4U, SBI4U • One of: MHF4U, MCV4U • One of: MHF4U, MCV4U, SCH4U, SPH4U	High- 80s to low-90s	1000	• Co-op available in some degree programs • Applicants without MCV4U will be required to take an equivalent calculus course in Level I
Mathematics and Statistics (MZ)	• ENG4U, MHF4U, MCV4U	Mid- to high-80s	300	• Co-op available in some degree programs
Medical Radiation Sciences (MRS)	• ENG4U, MHF4U, MCV4U, SBI4U, SCH4U	High-80s	115	• Clinical Practice
SOCIAL SCIENCES				
Social Sciences I (ML)	• ENG4U	Low- to mid-80s	855	• MHF4U, MCV4U and SBI4U are strongly recommended for students planning to enter Psychology, Neuroscience & Behaviour (PNB) • Internships available • Co-op will be available in Work & Labour Studies, Political Science & Economics
Economics I (MLE)	• ENG4U, MHF4U, MCV4U	Low- to mid-80s	125	• Internships available • Co-op option available
Health & Society I (MLH)	• ENG4U	Low- to mid-80s	60	• Internships available

Information related to admission policies is as of July 2023 and subject to change without notice. All programs have enrolment limits and may become full prior to published deadlines. The University reserves the right, at its sole discretion, not to accept, process or adjudicate applications or amendments to applications to any program at any time. McMaster does not make offers of admission to students with an average of less than 75%.

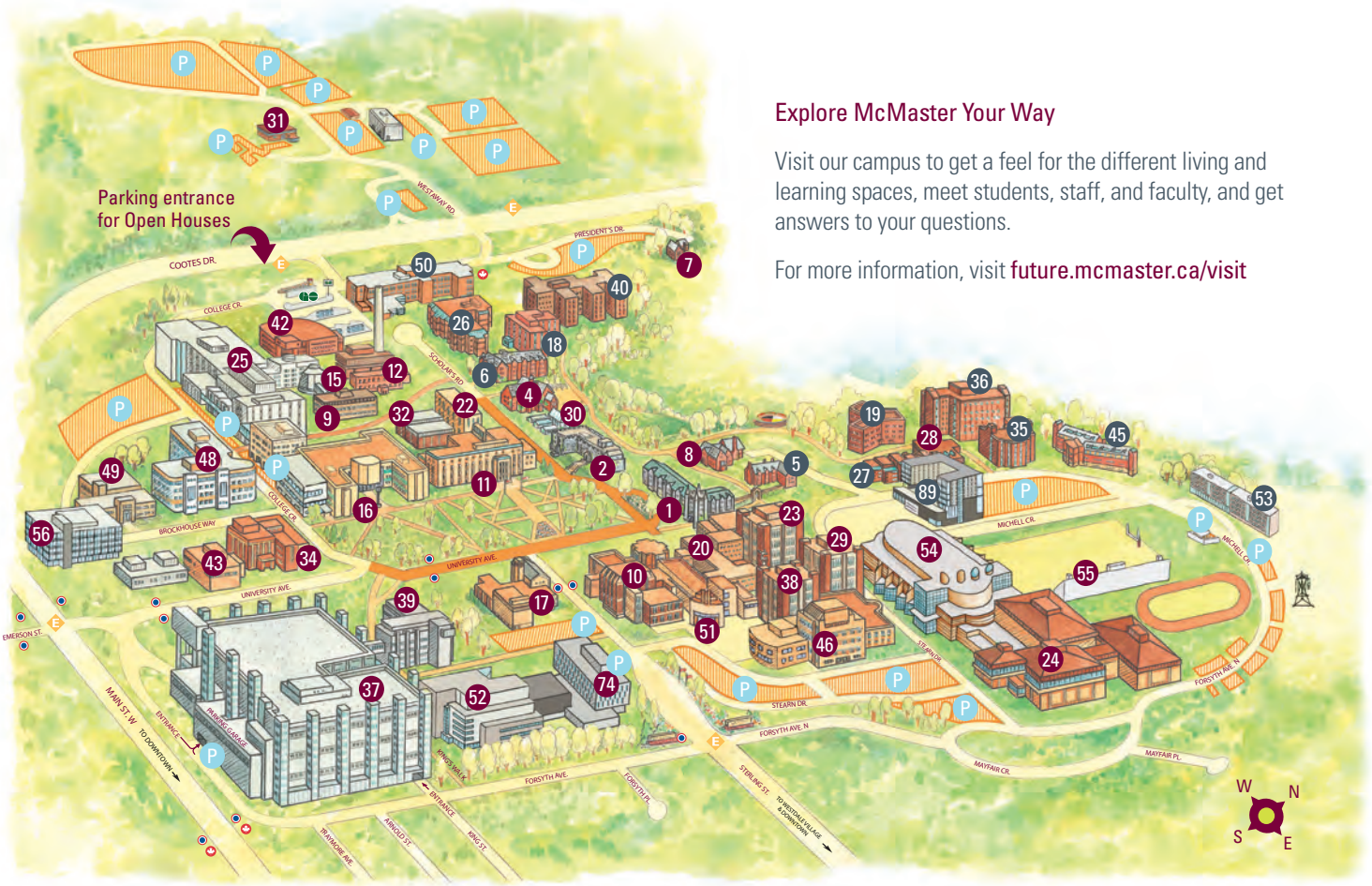
**A course can only be used to meet one specific admission requirement per program.*
***Estimates are provided as a guide only (based on information available as of Summer 2023) and are subject to change.*

ENG4U: English ICS4U: Computer Science MCV4U: Calculus and Vectors MDM4U: Mathematics of Data Management MHF4U: Advanced Functions
PSK4U: Introductory Kinesiology SBI4U: Biology SCH4U: Chemistry SES4U: Earth and Space Science SPH4U: Physics TEJ4M: Computer Engineering Technology

National Requirements by Province

Province: General Requirements	English (ENG4U)	Biology (SBI4U)	Calculus (MCV4U)	Chemistry (SCH4U)	Physics (SPH4U)	Pre-Calculus Math (MHF4U)
ALBERTA						
Five academic courses numbered 30 or 31, including all required courses.	English Language Arts 30-1; the blended mark for ELA 30-1 is used for admission	Biology 30	Math 31*	Chemistry 30	Physics 30	Math 30-1
BRITISH COLUMBIA						
Five Grade 12 academic courses, including all required courses.	English Studies 12, English 12 or English 12 First Peoples	Anatomy & Physiology 12 or Biology 12	Calculus 12*	Chemistry 12	Physics 12	Pre-Calculus 12
MANITOBA						
Five academic courses numbered 40S, including all required courses.	One of English 40S	Biology 40S	Calculus 45S or 42U*; Pre-Calculus 40S must also be completed	Chemistry 40S	Physics 40S	Pre-Calculus 40S
NEW BRUNSWICK						
Five academic courses numbered 120, 121 or 122, including all required courses.	One of English 121, English 122, or English as a Second Language 22411	Biology 121 or 122	Calculus 120*	Chemistry 121 or 122	Physics 121 or 122	Pre-Calculus A120 and B120
NEWFOUNDLAND AND LABRADOR						
Eleven acceptable academic Grade 12 credits at 3000 level, including all required courses.	English 3201	Biology 3201	Math 3208*	Chemistry 3202	Physics 3204	Mathematics 3200
NORTHWEST TERRITORIES						
Five academic courses numbered 30 or 31, including all required courses.	English Language Arts 30-1; the blended mark for ELA 30-1 is used for admission	Biology 30	Math 31*	Chemistry 30	Physics 30	Math 30-1
NOVA SCOTIA						
Five Grade 12 academic courses, including all required courses.	English 12	Biology 12	Calculus 12*	Chemistry 12	Physics 12	Pre-Calculus 12
NUNAVUT						
Five academic courses numbered 30 or 31, including all required courses.	English Language Arts 30-1; the blended mark for ELA 30-1 is used for admission	Biology 30	Math 31*	Chemistry 30	Physics 30	Math 30-1
PRINCE EDWARD ISLAND						
Five Grade 12 academic courses numbered 611 or 621, including all required courses.	English 611 or 621	Biology 621	Math 611B*	Chemistry 621	Physics 621	Math 621A or 621B
QUEBEC						
Completion of six Grade 12 high school academic courses equivalent to Ontario curriculum requirements. Or Year I CEGEP with 12 academic courses, including all required courses (R score used for admission consideration).	Two English 603 or 604 courses	Biology I (101)	Calculus I (201)*	Chemistry I & II (202)	Physics I & II (203)	Linear Algebra I (201)
SASKATCHEWAN						
Five Grade 12 academic courses numbered 30, including all required courses.	English A30 & B30	Biology 30	Calculus 30*	Chemistry 30	Physics 30	Pre-Calculus 30
YUKON						
Five Grade 12 academic courses, including all required courses.	English Studies 12, English 12 or English 12 First Peoples	Anatomy & Physiology 12 or Biology 12	Calculus 12*	Chemistry 12	Physics 12	Pre-Calculus 12

Refer to the Ontario Admissions Requirements chart for program-specific requirements. AP Statistics and CEGEP Statistics I (201) are acceptable as Additional Math (MDM4U).
**AP Calculus is also acceptable.*



Explore McMaster Your Way

Visit our campus to get a feel for the different living and learning spaces, meet students, staff, and faculty, and get answers to your questions.

For more information, visit **future.mcmaster.ca/visit**

Alumni House	7
A.N. Bourns Science Building (ABB)	25
Bates Residence	40
Biology Greenhouse	30
Brandon Hall	36
Burke Science Building (BSB)	11
Campus Services Building (CSB)	31
Chester New Hall (CNH)	23
Commons Building (C)	28
Communications Research Lab (CRL)	43
David Braley Athletic Centre (DBAC)	54
DeGroote School of Business	46
Divinity College (DC)	17
Edwards Hall	5
Engineering Technology Building (ETB)	56
E.T. Clarke Centre (CUC)	12
General Sciences Building (GSB)	22
Gilmour Hall (GH)	20
Hamilton Hall (HH)	2
Health Sciences Centre (HSC)	37
Hedden Hall	45
H.G. Thode Library of Science & Engineering (TL)	42
Information Technology Building (ITB)	49
Institute for Applied Health Sciences (IAHS)	48
Ivor Wynne Centre (IWC)	24
John Hodgins Engineering Building (JHE)	16
Kenneth Taylor Hall (KTH)	38
Les Prince Hall	53
Life Sciences Building (LSB)	39
L.R. Wilson Hall (LRW)	74
Mary E. Keyes Residence	50
Matthews Hall	26
McKay Hall	27
McMaster University Student Centre (MUSC)	51
Michael G. DeGroote Centre for Learning & Discovery and Atrium (MDCL)	52
Mills Memorial Library (MML), McMaster Museum of the Art and Alvin A. Lee Building (AAL)	10
Moulton Hall	18
Nuclear Reactor (REAC)	15
Nuclear Reactor Building	9
Peter George Centre for Living and Learning	89
Psychology Building (PC)	34
Refectory (Bridges / The Phoenix)	4
Ronald Joyce Stadium	55
Tandem Accelerator Building (TA)	32
Togo Salmon Hall (TSH)	29
University Club	8
University Hall (UH)	1
Wallingford Hall	6
Whidden Hall	19
Woodstock Hall	35

Campus Building · Residence · Campus Entrance · Parking · Pedestrian Only Area

Go Transit Terminal · Canada Coach Stop · HSR (Hamilton Transit Stop)

Visit Us!

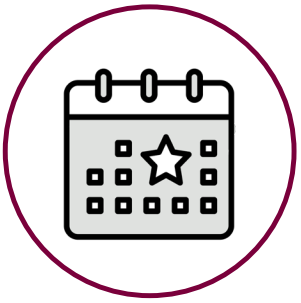
Visit our campus to get a feel for the different living and learning spaces, meet students, staff, and faculty, and get answers to your questions.

Not able to attend a scheduled tour or event? Explore McMaster your way with our virtual tour or our self-guided campus tour. Visit future.mcmaster.ca/visit

Tours

Led by current McMaster students, tours are 90-minutes in length and will bring visitors around campus, through study spaces and to at least one residence building.

- Tours run Monday to Friday at 10:30 a.m. and 1:30 p.m., beginning in late September 2023.
- Unable to join us in-person? Sign up for a 60-minute virtual campus tour and experience campus from the comfort of your own home.



Campus Events

Explore our campus, learn about living in residence, discover opportunities available to students and experience our close-knit community.

Fall Preview Open House
Saturday, October 28, 2023 and Saturday, November 18, 2023

May @ Mac Open House
Saturday, May 11, 2024

McMaster University | BRIGHTER WORLD

MacAdmit MacAdmit Discord

That's right; we're on Discord! Join the community server today to connect with fellow applicants and ask us questions!

Hamilton, Ontario, Canada | future.mcmaster.ca | #McMaster2028

Domestic Applicants: liaison@mcmaster.ca | International Applicants: International@mcmaster.ca