MBIOTECH

MASTER OF BIOTECHNOLOGY

Where science meets business.

What is MBiotech?

BIOTECHNOLOGY

The MBiotech Program is a 24-month, course-based professional degree, housed within the Institute for Management & Innovation (IMI) at the University of Toronto Mississauga (UTM), that incorporates both science and business courses with 8 to 12 months of work experience in the biotechnology, medical device and biopharmaceutical sectors.

The MBiotech Program is specifically tailored to meet the evolving needs of our students, and those of the global health sciences industry. Our Faculty is drawn from the departments of Biology, Chemical & Physical Sciences, and Management. The Program also makes frequent use of guest lecturers from the biotechnology sector, including individuals from government agencies, public and private companies, and members of other University of Toronto faculties. The carefully selected combination of courses, coupled with relevant industry experience and a strong focus on teamwork, provides our graduates with a truly interdisciplinary educational experience at a world-renowned university.

Our Vision

MBiotech is an innovative, professional Master's degree program which delivers a world-class interdisciplinary graduate education coupled with extensive work experience in the biotech, medical device, and biopharmaceutical industries.

PROGRAM @ A GLANCE

Biopharmaceuticals

Course Name	Course Code	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
YEAR ONE													
Molecular Biology Laboratory	BTC1700H												
Biomaterials & Protein Chemistry Theory	BTC1710H												
Biomaterials & Protein Chemistry Laboratory	BTC1720H												
Modern Data Analysis in Structural Biology & Drug Discovery	BTC1730H												
Biotechnology & Drug Manufacturing	BTC1810H												
Effective Management Practices	BTC2000H												
Biopartnering I	BTC1600H												
Biotechnology in Medicine	BTC1800H												
Biotechnology in Agriculture & Natural Products	BTC1820H												
Fundamentals of Managerial Accounting	BTC2010H												
Society, Organisations & Technology	BTC2020H												
Work Term I	BTC1900Y												
YEAR TWO													
Work Term I	BTC1900Y												
Work Term II	BTC1910Y												
Biopartnering II	BTC1610H												
Management of Technological Innovation	BTC2030H												
Work Term III	BTC1920Y												
Special Topics in Biotechnology	BTC21xx												
Generations of Advanced Medicine: Biologics in Therapy	BTC1860H												

Digital Health Technologies

Course Name	Course Code	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
YEAR ONE													
Effective Management Practices	BTC2000H												
Coding in R Language	BTC1855H												
Medical Device Reimbursement	BTC1842H												
Data Science in Health I	BTC1859H												
Data Science in Health II	BTC1877H												
Biopartnering I	BTC1600H												
Fundamentals of Managerial Concepts	BTC2010H												
Digital Ethnography in Health	BTC1882H												
Introduction to IT Consulting & Web Design	BTC1895H												
Health Data Visualisation with Tableau	BTC1878H												
YEAR TWO													
Work Term I	BTC1900Y												
Work Term II	BTC1910Y												
Biopartnering II	BTC1610H												
Digital Health Technology	BTC1899H												
Management of Technological Innovation	BTC2030H												
Special Topics in Biotechnology	BTC21xx												
Deep Learning in Health	BTC1889H												

Y= Full Course Credit. H = Half Course Credit.
Cross-hatched bars indicate possible extension of Y courses.

For full details:

Biopharmaceuticals uoft.me/bioph-curriculum
Digital Health Technologies uoft.me/dht-curriculum

Biopharmaceuticals Stream

Key Program Information

- Summer start: commences in May annually.
- Full-time, 24-month program (no part-time option).
- Application period: mid-September to early January.
- Short-listed candidates are invited to interview on campus in February.
- Offers commence in early March.
- Program is delivered at the University of Toronto Mississauga campus.
- Maximum annual cohort of **42 students**.

Admission Criteria

- 4-Year Bachelor's degree in any area of the biological sciences, chemistry or related field; Life Science experience is required.
- Mid-B (75%) or higher in final two years of study.
- Submission of application package consisting of transcript, 3 letters of reference, resume, and letter of intent.
- International applicants must also submit English proficiency scores meeting UofT minimums **and** GRE Subject Test scores.
- Admission interviews will be offered to short-listed candidates based on the submitted application package.

Class of 2027

86% Average GPA

276 Total Applications

42 Total Cohort

Digital Health Technologies Stream

Key Program Information

- Summer start: commences in May annually.
- Full-time, 24-month program (no part-time option).
- Application period: mid-September to early January.
- Short-listed candidates are invited to interview on campus in early February.
- Offers commence in early March.
- Program is delivered at the University of Toronto Mississauga campus.
- Maximum annual cohort of approx. **24 students**.

Our program focuses specifically on 3 main pillars of the DHT field:

Health & Regulatory • Data Science • Business

Admission Criteria

- 4-Year Bachelor's degree from a wide-range of disciplines including: biology, chemistry, physics, public health, statistics, computer science, engineering, epidemiology.
- Mid-B (75%) or higher in final two years of study.
- Minimum 2 upper-year courses in quantitative subject areas: statistics, population genetics, biometrics, econometrics, computer science, applied chemistry, physics, etc.
- Submission of application package consisting of transcript, 3 letters of reference, resume, and letter of intent.
- International applications must also submit English proficiency scores meeting UofT minimums **and** GRE Subject Test scores.
- Admission interviews will be offered to short-listed candidates based on the submitted application package.

Class of 2027

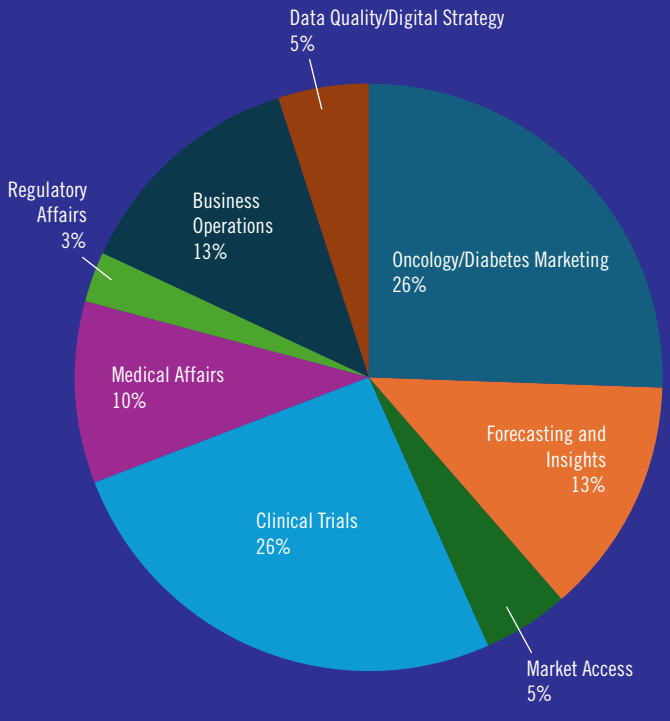
88% Average GPA

80 Total Applications

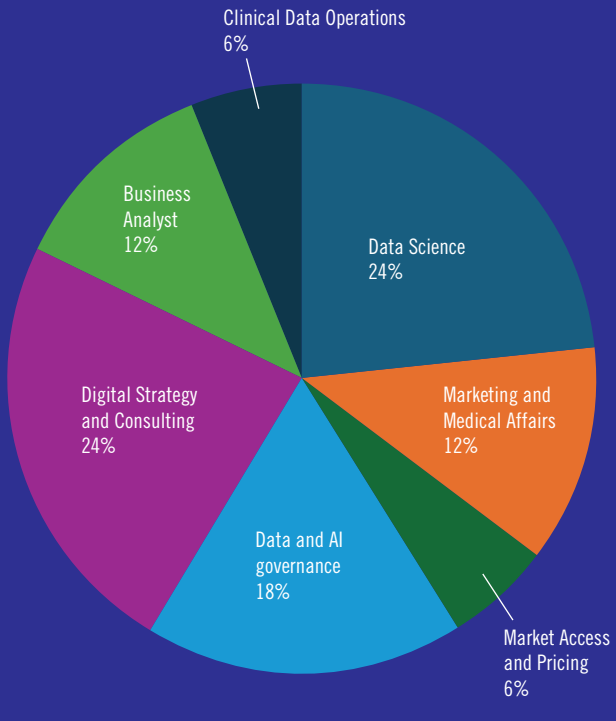
24 Total Cohort

Student Placement During Work Terms

Class of 2026 Biopharmaceuticals Stream



Class of 2026 Digital Health Technologies Stream



Our Industry Partners are World Leaders

Industry Partners - Biopharma

AbbVie
Amaris Consulting
Amgen
Astellas
AstraZeneca
Bayer Inc.
Boehringer Ingelheim
Broadstreet HEOR
Daiichi Sankyo
Drug Intelligence
Eisai
Eli Lilly Canada Inc.
EVERSANA
Roche
JAZZ Pharmaceuticals
LEO Pharma Inc.
Moderna
Novo Nordisk
PIVINA Inc.
Sanofi
GlaxoSmithKline

Industry Partners - DHT

Astrazeneca
Boehringer Ingelheim
Curetrax
Eli Lilly Canada Inc.
Roche
Janssen
Oncoustics
PIVINA Inc
PointClickCare
Sanofi
Recursion Pharmaceuticals
Takeda Canada Inc.

LEARN MORE ABOUT IMI

uoft.me/imi

Institute for Management & Innovation

UNIVERSITY OF TORONTO

MISSISSAUGA

The **Institute for Management and Innovation** inspires leaders to close the innovation gap through our six world-class master's programs and our research and innovation hubs.

Students thrive in our experiential learning environment, bolstered by powerful partnerships, our culture and values, and our connections within the University of Toronto ecosystem.

Studying at the Institute for Management and Innovation is unlike studying anywhere else. Our community is built on inclusivity and diversity of people, thought and experience. You'll be welcomed by a dedicated team of staff and faculty who are here to support your lifelong learning.

We inspire transformational thinking and collaboration, integrating people, place and purpose. Our students, faculty and researchers come together to build leaders and knowledge that harness innovation and apply it in ways that will create a positive impact for people and communities everywhere.

We can help open the door to the world for you.

MBIOTECH

uoft.me/mbiotech • mbiotech@utoronto.ca