Where science meets business.
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.
### Biopharmaceuticals

<table>
<thead>
<tr>
<th>Course Name</th>
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<tbody>
<tr>
<td>Molecular Biology Laboratory</td>
<td>BTC1700H</td>
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<tr>
<td>Biomaterials &amp; Protein Chemistry Theory</td>
<td>BTC1710H</td>
</tr>
<tr>
<td>Biomaterials &amp; Protein Chemistry Laboratory</td>
<td>BTC1720H</td>
</tr>
<tr>
<td>Biotechnology &amp; Drug Manufacturing</td>
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<tr>
<td>Effective Management Practices</td>
<td>BTC2000H</td>
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<tr>
<td>Biopartnering I</td>
<td>BTC1600H</td>
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<tr>
<td>Biotechnology in Medicine</td>
<td>BTC1800H</td>
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<tr>
<td>Biotechnology in Agriculture &amp; Natural Products</td>
<td>BTC1820H</td>
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<tr>
<td>Fundamentals of Managerial Accounting</td>
<td>BTC2010H</td>
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<tr>
<td>Society, Organisations &amp; Technology</td>
<td>BTC2020H</td>
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<tr>
<td>Work Term I</td>
<td>BTC1900Y</td>
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#### YEAR TWO

<table>
<thead>
<tr>
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<tr>
<td>Work Term I</td>
<td>BTC1900Y</td>
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<tr>
<td>Work Term II</td>
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<tr>
<td>Biopartnering II</td>
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<tr>
<td>Management of Technological Innovation</td>
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<td>Work Term III</td>
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<tr>
<td>Special Topics in Biotechnology</td>
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<tr>
<td>Generations of Advanced Medicine: Biologics in Therapy</td>
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### Digital Health Technologies

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<td>Effective Management Practices</td>
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<tr>
<td>Coding in R Language</td>
<td>BTC1855H</td>
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<tr>
<td>Medical Device Reimbursement</td>
<td>BTC1842H</td>
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<tr>
<td>Data Science in Health I</td>
<td>BTC1859H</td>
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<td>Data Science in Health II</td>
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<td>Biopartnering I</td>
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<td>Fundamentals of Managerial Concepts</td>
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<tr>
<td>Digital Ethnography in Health</td>
<td>BTC1882H</td>
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<tr>
<td>Introduction to IT Consulting &amp; Web Design</td>
<td>BTC1895H</td>
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<tr>
<td>Health Data Visualisation with Tableau</td>
<td>BTC1878H</td>
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<td>Special Topics in Biotechnology</td>
<td>BTC21xx</td>
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<tr>
<td>Deep Learning in Health</td>
<td>BTC1889H</td>
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</table>

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

For more details, go to: [www.utm.utoronto.ca/mbiotech/curriculum-overview](http://www.utm.utoronto.ca/mbiotech/curriculum-overview)
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 2024

84% Average GPA  179 Total Applications  41 Total Cohort
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 15 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 2024

83.5% Average GPA
41 Total Applications
14 Total Cohort
Student Placement During Work Terms

Distribution of Positions by Category (Class of 2023)

- Sales & Marketing: 18%
- Medical Info & Medical Affairs: 7%
- Operations & Support: 22%
- Research & Development: 9%
- Research & Development: 9%
- Clinical Research: 15%
- Market Access, Health Economics, and Drug Reimbursement: 14%
- Regulatory Affairs & Compliance: 5%
- Other: 10%

Distribution of Positions by Category (Class of 2022)

- Marketing & Market Access: 29%
- Operations & Support: 22%
- Research & Development: 10%
- Clinical Research: 16%
- Research & Development: 10%
- Operations & Support: 22%
- Medical Information, Medical Affairs: 11%
- Other: 7%
- Reg. Affairs & Compliance: 5%

Our Industry Partners are World Leaders

**Industry Partners - Biopharma**
- Amaris
- Astellas
- AstraZeneca
- Bayer
- Biotronik
- Boehringer Ingelheim
- Drug Intelligence
- Eversana
- Eisai
- Foster Rosenblatt
- GlaxoSmithKline
- Intercept Pharma
- Jazz Pharma
- MDBiologix
- Meducom Inc
- PIVINA Inc
- ProteinQure
- Hoffman-La Roche
- Sanofi Genzyme
- Sanofi Pasteur
- Sterimax

**Industry Partners - DHT**
- Amylyx
- AstraZeneca
- Boehringer Ingelheim
- Curetrax
- Hoffman-La Roche
- Janssen
- ODAIA
- Oncoustics
- PIVINA Inc
- PointClickCare
- Sanofi Pasteur
- Recursion Pharmaceuticals
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