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[Back to Program Page](#)

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Biotechnology

Diploma

Program Code: BT211

Campus: North

Length: 4 semesters

Humber's Biotechnology diploma program prepares students with the transferable skills needed to build successful careers in a va

Students will benefit from:

a unique integrated approach

acquiring a recognized skillset applicable to a wide variety of employment opportunities

extensive applied/hands-on laboratory experience

integrative project work that links applied and academic fields (simulating real work experiences)

laboratory skills development linked to industry demands

learning to adapt to the changing field and staying current

learning to operate laboratory equipment stable in the field of science and biotechnology

simulated learning environments

START-COMPLETION TIMELINE

September - students beginning their studies in September complete the program in two academic years with one summer break

January - students beginning their studies in January are enrolled in a fast-track option. This option allows for completion of the fu

Courses

Semester 1

BIOT 100: Foundations of Biology for Biotechnology

BIOT 101: Introduction to Chemistry

BIOT 102: Introduction to Biotechnology

BIOT 150: Biotechniques Laboratory 1

TMTH 107: Mathematics for Biotechnology

WRIT 100: College Reading and Writing Skills

Semester 2

BIOT 103: Science in Society

BIOT 151: Chemical Techniques Laboratory 1

BIOT 152: Analytical Chemistry

BIOT 153: Data Collection Techniques and Biostatistical Methods

BIOT 154: Human and Cellular Physiology for Biotechnology

GNED 101: An Introduction to Arts and Sciences

Semester 3

BIOT 200: Biotechniques Laboratory 2

BIOT 201: Chemical Techniques Laboratory 2

BIOT 202: Molecular Biology

BIOT 203: Immunology

BIOT 204: Organic Chemistry

Select 1 from the following courses

GNED: General Elective

Semester 4

BIOT 250: Biotechniques Laboratory 3

BIOT 251: Chemical Techniques Laboratory 3

BIOT 252: Biochemistry

BIOT 254: Applied Microbiology

WRIT 200: Workplace Writing Skills

Select 1 from the following courses

GNED: General Elective

Admission Requirements

Admission selection is based on the following 3 requirements:

. Academic

To be eligible for admission, you must possess the following:

Ontario Secondary School Diploma (OSSD) or equivalent including these required courses:

Grade 12 English (ENG4C or ENG4U or equivalent)

Grade 12 Mathematics (MAP4C, MCT4C, MDM4U, MCB4U, MGA4U, MCV4U or MHF4U or equivalent)

Grade 11 or 12 Biology (SBI2C, SBI2U or SBI4U or equivalent)