

# HUMAN GENETICS (THESIS): BIOINFORMATICS (M.SC.) (45 CREDITS)

Note: The Graduate Advisory Committee may stipulate additional coursework at the 500, 600, or 700 level depending on the background of the candidate.

**Offered by:** Human Genetics (Faculty of Medicine & Health Sciences)

**Degree:** Master of Science

**Program credit weight:** 45

## Program Description

**\*\*This program is currently not offered.\*\***

The M.Sc. in Human Genetics; Bioethics is a graduate thesis program that focuses on the fundamental questions about life and the interventions by healthcare in research, policy, and practice. The program promotes modern research methodologies, and the knowledge and techniques needed to apply a bioethical analysis to the base discipline of human genetics.

**Note:** For information about Fall 2025 and Winter 2026 course offerings, please check back on May 8, 2025. Until then, the "Terms offered" field will appear blank for most courses while the class schedule is being finalized.

## Thesis Courses (33 credits)

Expand allContract all

Course	Title	Credits
HGEN 680	M.Sc. Thesis Research 1.	9
HGEN 681	M.Sc. Thesis Research 2.	12
HGEN 682	M.Sc. Thesis Research 3.	12

## Required Courses (6 credits)

Expand allContract all

Course	Title	Credits
COMP 616D1	Bioinformatics Seminar.	1.5
COMP 616D2	Bioinformatics Seminar.	1.5
HGEN 692	Human Genetics.	3

## Complementary Courses (6 credits)

6 credits from the following courses:

Expand allContract all

Course	Title	Credits
BINF 621	Bioinformatics: Molecular Biology.	3
BMDE 652	Bioinformatics: Proteomics.	3
BTEC 555	Structural Bioinformatics.	3
COMP 618	Bioinformatics: Functional Genomics.	3
PHGY 603	Systems Biology and Biophysics.	3