BHSc Learning Tracks – Archived April 2022

# Infection, Immunity, and Inflammation

This Learning Track focuses on the role of viral and bacterial organisms in, as well as how the immune system contributes to, health and disease. Courses cover basic concepts in microbiology and immunology, and expand to exploring the role of a wide range of microbes in health and disease, as well as the role of the immune system in combating infections and in diseases if non-infectious etiology. An overarching focus on this Learning Track in the role of human microbiome in health and disease.

**This track requires students to take a total of 8 courses; 7 Required and 1 Additional**

## Required Courses

**All**of these courses must be taken for this track to be completed

#### [PHAR 100 - Introductory Pharmacology](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-1)

#### [GLPH 271 - Global and Population Health](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-2)

#### [BCHM 270 - Biochemical Basis of Health and Disease](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-3)

#### [MICR 270 - Infection, Immunity, and Inflammation](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-4)

#### [MICR 271 - Introduction to Microbiology](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-5)

#### [MICR 386 - Fundamentals of Immunology in Health and Disease](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-6)

#### [MICR 320 - Microbes in Health and Disease](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-f1a93-7)

## Additional Courses

Students must take **at least ONE (1)**of the following courses to complete this track

#### [CANC 380 - Evolutionary Biology of Cancer](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-x47i1-1)

#### [BMED 390 - Integrative Laboratory Studies](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-x47i1-2)

#### [BMED 483 - Advanced Topics in Infectious Disease](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-x47i1-3)

#### [MICR 290 - Antibiotic Resistance Lab](https://bhsc.queensu.ca/program-and-courses/learning-tracks/infection-immunity-and-inflammation#accordion-x47i1-4)