BHSc Learning Tracks – Archived April 2022

# Applied Research Methods in Health Sciences

Courses in this learning track address the ways in which health-related research is conducted, with the inclination for advancing critical-reasoning skills. Courses that comprise this learning track will introduce fundamental skills involved in research methodology determination and statistical analysis of data. Students will have the opportunity to build mixed methods research designs as well as learn to navigate the process of literature review and experimental design. Some courses hone in on discipline-specific research methodologies as well, allowing for application of experimental design to particular fields.

**This track requires students to take a total of 5 courses; 4 Required and 1 Additional**

## Required Courses

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

#### [HSCI 190 Introduction to Statistics for the Health Sciences](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-mjqgh-1)

#### [HSCI 270 - Fundamentals of Health Research Methodology](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-mjqgh-2)

#### [BCHM 370 - Genetics and Genomics](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-mjqgh-3)

#### [HSCI 383 - Advanced Research Methodologies](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-mjqgh-4)

## Additional Courses

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

#### [MICR 290 - Antibiotic Resistance Lab](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-cdzay-1)

#### [BCHM 482 - Proteomics and Metabolomics](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-cdzay-2)

#### [IDIS 280 - Interprofessional Approaches in Healthcare](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-cdzay-3)

#### [IDIS 480 - Advanced Interprofessional Approaches in Healthcare](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-cdzay-4)

#### [BMED 390 - Integrative Laboratory Studies](https://bhsc.queensu.ca/program-and-courses/learning-tracks/applied-research-methods-health-sciences#accordion-cdzay-5)