BHSc Learning Tracks – Archived April 2022

# Anatomical and Physiological Basis of Health and Disease

Courses contributing to this track will introduce basic knowledge and key concepts of the integrated relationships of how the anatomy of the body functions with respect to its structural design. Students will learn how normal structure and appropriate functioning leads to a healthy individual, and contrastingly, how dysfunction can contribute to pathology and disease.

This track requires students to take a total of 10 courses; 9 Required and 1 Additional

## Required Courses

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

[ANAT 100 - Anatomy of the Human Body](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-1)

[PHGY 170 - Human Cell Physiology](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-2)

[PHGY 215 - Principles of Mammalian Physiology I](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-3)

[PHGY 216 - Principles of Mammalian Physiology II](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-4)

[PATH 310 - Introduction to Pathology and Molecular Medicine](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-5)

[REPD 372 - Reproduction and Development](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-6)

[REPD 473 - Developmental Origins of Health and Disease](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-zi9qd-7)

Students are also required to choose TWO (2) of the following courses

[ANAT 380 - Clinically Relevant Human Anatomy](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-slvz3-1)

[CANC 380 - Evolutionary Biology of Cancer](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-slvz3-2)

[BMED 390 - Integrative Laboratory Studies](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-slvz3-3)

## Additional Courses

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

[CRSS 454 - Cardiovascular Sciences](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-i0wjh-1)

[NSCI 483 - Neurobiology in Learning and Memory](https://bhsc.queensu.ca/program-and-courses/learning-tracks/anatomical-and-physiological-basis-health-and-disease#accordion-i0wjh-2)