HONOURS BACHELOR OF HEALTH SCIENCES - OPTION INTEGRATIVE HEALTH BIOSCIENCES

The Honours Bachelor in Health Sciences program is defined by its integrative approach for studying health. Students are provided with a biosciences background, knowledge of quantitative and qualitative methodologies, along with an interdisciplinary approach to study the determinants of health. This unique academic program allows students to discover innovative ways to examine, measure and unravel complex health problems at all life stages, in Canada and around the world.

The Integrative Health Biosciences option will provide students with advanced knowledge and research approaches to investigate the cellular and molecular processes that underlie the life-trajectory. Upon completion of this option students will be able to integrate molecular and (patho)physiological concepts and design research in the field health biosciences.

Graduates will be well-prepared to undertake health-related MSc programs or pursue careers in public or private health agencies, non-governmental health organizations or in community health programs. Students are provided with the necessary foundation for further studies in medicine, rehabilitation studies, dentistry, or pharmacy. Our interdisciplinary focus enhances the quality and maturity of future clinicians and health professionals.

This program is offered in English and in French.

Program Requirements
The French immersion is available with this program.

Compulsory courses at the 1000 level
ANP 1105 Human Anatomy and Physiology I 3 Units
ANP 1106 Human Anatomy and Physiology II 3 Units
BIO 1140 Introduction to Cell Biology 3 Units
CHM 1311 Principles of Chemistry 3 Units
ENG 1100 Workshop in Essay Writing 3 Units
HSS 1100 Microbiology and Immunology 3 Units
HSS 1101 Determinants of Health 3 Units
PSY 1101 Introduction to Psychology: Foundations 3 Units
SOC 1101 Principles of Sociology 3 Units

Compulsory courses at the 2000 level
HSS 2102 Human Activity, Occupation and Health 3 Units
HSS 2105 Understanding Mental Health 3 Units
HSS 2121 History of Health Care 3 Units
HSS 2342 Principles of Chemistry 3 Units
HSS 2101 Principles of Sociology 3 Units

Compulsory courses at the 3000 level
BIO 3152 Cell Biology Laboratory 3 Units

List of Optional Courses
HSS 3101 Health Research: Quantitative and Qualitative Approaches 3 Units
HSS 3103 Experience of Illness, Impairment and Disability 3 Units
HSS 3106 Pharmacology Mechanisms and Compliance 3 Units
HSS 3109 Research Approaches in Health Biosciences 3 Units
HSS 3110 Epidemiology 3 Units
HSS 3303 Environment and Health 3 Units
HSS 3305 Pathophysiology of Health Problems 3 Units

Compulsory courses at the 4000 level
HSS 4101 Development and Evaluation of Health Programs 3 Units
HSS 4102 Developmental Origins of Health and Disease 3 Units
HSS 4112 Molecular Determinants of Health and Longevity 3 Units
HSS 4313 Integrative Approaches in Health Biosciences 3 Units

Optional courses
6 optional course units in Health Sciences from the list of optional courses 6 Units
3 optional course units offered by the Faculty of Science 3 Units
30 elective course units or a minor 30 Units

Total: 120 Units

Note(s)
A maximum of 42 course units at the 1000 level is permitted.