HONOURS BACHELOR OF HEALTH SCIENCES

The Honours Bachelor’s in Health Sciences program enables students to study health and its related components from an interdisciplinary perspective, which allows students to discover innovative ways to examine, measure and unravel complex health problems at all life stages, in Canada and around the world. These future health professionals will be challenged to understand biological, environmental and social factors, both in isolation and as interactive health determinants.

Students will build on a foundation in biomedical sciences to integrate social and environmental health determinants in the study of health communication, disability and illness issues, pharmacology and nutrition. Significant training in health research methodologies is provided through courses in statistics, quantitative and qualitative approaches to research, epidemiology and health program development and evaluation. This program also includes select opportunities to conduct research thesis projects.

Upon completion, students will be well-prepared to undertake MSc programs in interdisciplinary health sciences or epidemiology, or work in health promotion or biomedical research. Graduates may choose to pursue careers in public or private health agencies, non-governmental health organizations or in community health programs. Graduates may also go on to 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 stream is available with this program.

Compulsory General Studies Courses (15 units)

- BIO 1140 Introduction to Cell Biology 3 Units
- CHM 1311 Principles of Chemistry 3 Units
- ENG 1100 Workshop in Essay Writing 3 Units
- PSY 1101 Introduction to Psychology: Foundations 3 Units
- SOC 1101 Principles of Sociology 3 Units

Compulsory Health Sciences Courses (54 units)

- ANP 1105 Human Anatomy and Physiology I 3 Units
- ANP 1106 Human Anatomy and Physiology II 3 Units
- HSS 1100 Microbiology and Immunology 3 Units
- HSS 1101 Determinants of Health 3 Units
- HSS 2102 Communication and Health 3 Units
- HSS 2305 Molecular Mechanisms of Disease 3 Units
- HSS 2321 Sociopolitical and Economic Perspectives in Health 3 Units
- HSS 2342 Nutritional Determinants of Health 3 Units
- HSS 2381 Quantitative Methods in Health Sciences I 3 Units
- PHI 2396 Bioethics 3 Units
- 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 3303 Environment and Health 3 Units
- HSS 3305 Pathophysiology of Health Problems 3 Units
- HSS 4101 Development and Evaluation of Health Programs 3 Units
- HSS 4102 Development of Health Problems throughout the Lifespan 3 Units
- HSS 4303 Epidemiology 3 Units
- 15 optional course units in Health Sciences from the list of optional courses 15 Units
- 6 optional course units offered by the Faculty of Science 6 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.

List of Optional Courses

- ANP 1107 Human Anatomy and Physiology III 3 Units
- HSS 2104 Human Activity, Occupation and Health 3 Units
- HSS 2111 Posture, Movement and Injuries Prevention 3 Units
- HSS 2121 History of Health Care 3 Units
- HSS 2516 La santé des francophones en situation minoritaire 3 Units
- HSS 3105 Global Citizenship and Health 3 Units
- HSS 3332 Technology and Health 3 Units
- HSS 4100 Exploration of Death and Dying 3 Units
- HSS 4103 Information Systems in Health Care 3 Units
- HSS 4107 Interdisciplinary Perspectives on Death and Dying 3 Units
- HSS 4312 Critical Appraisal and Evaluation of Health Research 3 Units
- HSS 4324 Selected Topics in Health Sciences 3 Units
- HSS 4331 International Health 3 Units
- HSS 4900 Research Project 3 Units
- HSS 4901 Advanced Research Project 6 Units
- HSS 4933 International Health Fieldwork 3 Units
- HSS 4934 Canadian Health Fieldwork 3 Units