HONOURS BACHELOR
OF HEALTH SCIENCES -
POPULATION AND PUBLIC
HEALTH OPTION

The Honours Bachelor of 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 Population and Public Health option will further students' interdisciplinary health sciences training grounded in population health and public health theories and methodologies that remain the foundation of Canada's healthcare system. Students will appraise health scenarios from local and global perspectives, critique health frameworks, develop health interventions including health promotion strategies, distinguish structural and systemic causes of health disparities, and evaluate contributions of intersectoral collaborations in health.

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 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 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  Communication and Health  3 Units
- HSS 2305  Molecular Mechanisms of Disease  3 Units
- HSS 2321  Sociopolitical and Economic Perspectives in Health  3 Units
- HSS 2381  Quantitative Methods in Health Sciences: Continuous Variables  3 Units
- HSS 2382  Quantitative Methods in Health Sciences: Categorical Variables  3 Units
- PHI 2396  Bioethics  3 Units

Compulsory courses at the 3000 level

- HSS 3101  Health Research: Quantitative and Qualitative Approaches  3 Units
- HSS 3103  Experience of Illness, Impairment and Disability  3 Units
- HSS 3105  Global Citizenship and Health  3 Units
- HSS 3106  Pharmacology: Mechanisms and Compliance  3 Units
- HSS 3108  Disease Prevention and Health Promotion  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 4110  Population and Public Health  3 Units
- HSS 4331  International Health  3 Units

Optional courses

- 3 optional course units in health sciences (HSS) from the list of optional courses  3 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 2105  Understanding Mental Health  3 Units
- HSS 2121  History of Health Care  3 Units
- HSS 2342  Nutritional Determinants of Health  3 Units
- HSS 2516  La santé des francophones en situation minoritaire  3 Units
- HSS 3107  Understanding Health Technology Signals  3 Units
- HSS 3109  Research Approaches in Health Biosciences  3 Units
- HSS 3332  Technology and Health  3 Units
- HSS 4107  Interdisciplinary Perspectives on Death and Dying  3 Units
- HSS 4108  Methods of Health Technology Assessment  3 Units
- HSS 4111  Perspectives in Sexual and Reproductive Health  3 Units
- HSS 4312  Critical Appraisal and Evaluation of Health Research  3 Units
- HSS 4324  Selected Topics in Health Sciences  3 Units
- HSS 4900  Research Project  3 Units
- HSS 4901  Advanced Research Project  6 Units
- HSS 4902  Interdisciplinary Health Sciences Fieldwork  3 Units