**HONOURS BACHELOR OF HEALTH SCIENCES**

The Honours Bachelor in Health Sciences program is defined by its integrative approach for studying health. Students are provided with a foundational biosciences core, research analytical skills training in a range of quantitative and qualitative methodologies within a broader interdisciplinary context of the social and environmental determinants of health. This unique academic approach allows students to discover innovative ways to examine, measure and unravel complex health problems at all life stages, in Canada and around the world.

Future health professionals will be challenged to understand biological, environmental and social factors, both in isolation and as interactive health determinants. The curriculum contains a research methodologies core to provide students with applied, quantitative and qualitative transferrable skills for post-graduate training or employment. Three thematic programming options enable students to focus their academic trajectory in Integrative Health Biosciences, Technologies and Innovation in Healthcare or Population and Public Health, gaining theoretical and applied knowledge and skills in these domains. This program also includes select opportunities to conduct a research thesis project and participate in interdisciplinary health sciences fieldwork.

Graduates will be well-prepared to undertake healthrelated 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 stream is available with this program.

Requirements for this program have been modified. Please consult the 2018-2019 calendars (http://www.uottawa.ca/academic/info/regist/1516/calendars) for the previous requirements.

**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

**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 3106 Pharmacology: Mechanisms and Compliance 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

**Optional courses**

- 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 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 3105 Global Citizenship and Health 3 Units
- HSS 3107 Understanding Health Technology Signals 3 Units
- HSS 3108 Disease Prevention and Health Promotion 3 Units
- HSS 3109 Research Prevention in Health Biosciences 3 Units
- HSS 3322 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 4110 Population and Public Health 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 4331 International Health 3 Units
- HSS 4900 Research Project 3 Units
- HSS 4901 Advanced Research Project 6 Units
- HSS 4902 Interdisciplinary Health Sciences Fieldwork 3 Units