The Honours Bachelor of 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 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
Co-operative education is available with this program.

The French immersion stream is available with this program.

Requirements for this program have been modified. Please consult the 2022-2023 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 and Molecular 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 2305 Molecular Mechanisms of Disease 3 Units
HSS 2311 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 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 science optional course units offered by the Faculty of Science 6 Units

Electives
30 elective course units or a minor 30 Units
Total: 120 Units

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 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 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 4109 Computer Assisted Health Applications 3 Units
HSS 4110 Population and Public Health 3 Units
HSS 4111 Perspectives in Sexual and Reproductive Health 3 Units
HSS 4112 Molecular Determinants of Health and Longevity 3 Units
HSS 4312 Critical Appraisal and Evaluation of Health Research 3 Units
HSS 4313 Integrative Approaches in Health Biosciences 3 Units
HSS 4324 Selected Topics in Health Sciences 3 Units
HSS 4331 International Health 3 Units
HSS 4900 Research Project 3 Units

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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>HSS 4901</td>
<td>Advanced Research Project</td>
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<tr>
<td>HSS 4902</td>
<td>Interdisciplinary Health Sciences Fieldwork</td>
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