

# HONOURS BACHELOR OF HEALTH SCIENCES - TECHNOLOGIES AND INNOVATION IN HEALTHCARE OPTION AND MASTER OF HEALTH SCIENCES OCCUPATIONAL THERAPY

## Overview

### Honours Bachelor of Health Sciences - Technologies and Innovation in Healthcare Option

This program is offered in French.

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 Technologies and Innovation in Healthcare option will provide students with theoretical knowledge and applied skills to examine the applications and limitations of health technologies. Upon completion of this option, students will be able to evaluate the utility of health technologies including computer-assisted applications to both clinical research and health services delivery, demonstrate skills in health technology assessment methodologies and critically appraise the social and ethical implications of health technologies.

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.

### Master of Health Sciences Occupational Therapy

This program is offered in French.

The mission of the Masters of Health Science in Occupational Therapy program at the University of Ottawa, which is offered in French, is to train competent health care professionals able to respond to the needs of the francophone population in Ontario and, more generally, to the needs of francophone communities in the bilingual and multilingual Canadian context.

Occupational therapy is both an art and a science whose aim is to prevent handicap situations, re-establish or promote occupation

(everyday activities that people do), health, and well-being of individuals. Occupational therapists work in collaboration with individuals or groups of individuals to prevent or address occupational performance difficulties. Occupational performance difficulties may arise from a health condition, developmental issue, environmental obstacle or a consequence of aging. Difficulties may occur in areas of self-care, productivity, or leisure. Occupational therapists enable their clients to reconstruct their life and develop a renewed sense of self-identity and independence.

The occupational therapy program follows the standards developed by the Canadian Association of Occupational Therapists (CAOT). This allows students develop the skills and competencies needed to practice their profession upon graduation. In addition to the coursework, students complete 1,000 placement hours as required by CAOT. These mandatory placements can take place in Ottawa-area hospitals, schools, community organizations, private clinics and rehabilitation centres or at locations outside the National Capital Region.

Students complete this limited-enrollment program over six consecutive terms, i.e., two years of full-time study (including placements). However, students with an undergraduate degree in occupational therapy and clinical practice as an occupational therapist at the time of admission can follow the accelerated program, which leads to a master's degree after one year (three terms).

The objectives of the program are achieved through successful completion of theoretical and practical courses, integration seminars and clinical placements. Teaching activities are grouped under the following six themes:

- Theme 1: Occupational participation: interaction between the person, their occupations and their environment;
- Theme 2: Fundamental principles for the practice as an occupational therapist (being a professional);
- Theme 3: Knowledge of health conditions and interventions - occupational therapist and the team;
- Theme 4: Occupational therapy practice: assessment and intervention approaches to promote occupational participation;
- Theme 5: Critical evaluation of knowledge;
- Theme 6: Knowledge integration.

## Program Requirements

For the most accurate and up to date information on admission requirements, please visit the program prerequisites (<https://www2.uottawa.ca/study/undergraduate-studies/program-prerequisites/>) webpage.

Requirements for this program have been modified. Please consult the 2024-2025 calendars (<http://catalogue.uottawa.ca/en/archives/>) for the previous requirements.

The minimum C.G.P.A. required for good academic standing is 8.5.

### Honours Bachelor of Health Sciences - Technologies and Innovation in Healthcare Option

#### Compulsory courses at the 1000 level

ANP 1505	Anatomie humaine et physiologie I	3 Units
ANP 1506	Anatomie humaine et physiologie II	3 Units

BIO 1540	Introduction à la biologie cellulaire et moléculaire	3 Units
CHM 1711	Principes de chimie	3 Units
FRA 1710	Analyse, écriture et argumentation I	3 Units
HSS 1501	Déterminants de la santé	3 Units
HSS 1500	Microbiologie et immunologie	3 Units
PSY 1501	Introduction à la psychologie : fondements	3 Units
SOC 1501	Éléments de sociologie	3 Units

#### Compulsory courses at the 2000 level

HSS 2502	Communication et santé	3 Units
HSS 2705	Mécanismes moléculaires des maladies	3 Units
HSS 2721	Perspectives sociopolitiques et économiques de la santé	3 Units
HSS 2781	Analyse quantitative des données en sciences de la santé: variables continues	3 Units
HSS 2782	Analyse quantitative des données en sciences de la santé: variables catégorielles	3 Units
PHI 2796	Bioéthique	3 Units

#### Compulsory courses at the 3000 level

HSS 3501	Recherche en santé : approches qualitative et quantitative	3 Units
HSS 3503	Expérience de la maladie, de la déficience et du handicap	3 Units
HSS 3506	Pharmacologie : Mécanismes d'action et observance de la prise des médicaments	3 Units
HSS 3507	Comprendre les signaux mesurés par des technologies de la santé	3 Units
HSS 3510	Épidémiologie	3 Units
HSS 3703	Environnement et santé	3 Units
HSS 3705	Pathophysiologie des problèmes de santé	3 Units
HSS 3732	Technologie et santé	3 Units

#### Compulsory courses at the 4000 level

HSS 4501	Élaboration et évaluation de programmes en santé	3 Units
HSS 4502	Origines développementales de la santé et des maladies	3 Units
HSS 4508	Méthodes d'évaluation des technologies de la santé	3 Units
HSS 4509	Applications en santé assistées par ordinateur	3 Units

#### Optional courses

3 optional course units in Health Sciences from the list of optional courses 3 Units

6 science optional course units offered by the Faculty of Science 6 Units

**Total: 90 Units**

## List of Optional Courses

ANP 1507	Anatomie humaine et physiologie III	3 Units
HSS 2504	Activité humaine, travail et santé	3 Units
HSS 2505	Comprendre la santé mentale	3 Units
HSS 2516	La santé des francophones en situation minoritaire	3 Units
HSS 2521	Histoire des soins de santé	3 Units

HSS 3505	Citoyenneté mondiale et santé	3 Units
HSS 3508	Prévention des maladies et promotion de la santé	3 Units
HSS 3509	Approches de recherche en biosciences de la santé	3 Units
HSS 4510	Santé publique et santé des populations	3 Units
HSS 4511	Perspectives en santé sexuelle et reproductive	3 Units
HSS 4512	Déterminants moléculaires de la santé et de la longévité	3 Units
HSS 4712	Évaluation critique et appréciation de la recherche en santé	3 Units
HSS 4724	Thèmes choisis en sciences de la santé	3 Units

## Master of Health Sciences Occupational Therapy

### Master's with Coursework

#### Compulsory Courses

ERG 5512	Anatomie et éléments du mouvement pour la participation occupationnelle	3 Units
ERG 5525	Exploration de la participation occupationnelle	3 Units
ERG 5526	Analyse de la participation occupationnelle	1.5 Units
ERG 5527	Participation occupationnelle de l'enfant et l'adolescent	1.5 Units
ERG 5528	Aspects sociopolitiques de la participation occupationnelle	3 Units
ERG 5714	Principes généraux du processus de pratique ergothérapique	3 Units
ERG 5722	Perspectives théoriques et modèles en ergothérapie	3 Units
ERG 5741	Atteintes à la santé des enfants et approches d'intervention	3 Units
ERG 5742	Atteintes à la santé physique des adultes et approches d'intervention	3 Units
ERG 5743	Atteintes à la santé mentale des adultes et approches d'intervention	3 Units
ERG 5744	Atteintes à la santé des personnes âgées et approches d'intervention	3 Units
ERG 5754	La recherche en ergothérapie	3 Units
REA 5703	Pratiques professionnelles en réadaptation	3 Units
ERG 6715	Pratiques professionnelles avancées en ergothérapie	3 Units
ERG 6741	Intervention de l'ergothérapeute auprès des enfants	3 Units
ERG 6742	Intervention de l'ergothérapeute auprès des adultes (santé physique)	3 Units
ERG 6743	Intervention de l'ergothérapeute auprès des adultes (santé mentale)	3 Units
ERG 6744	Intervention de l'ergothérapeute auprès des personnes âgées	3 Units
REA 6503	Pratique factuelle en réadaptation	3 Units
<b>Seminars</b>		
ERG 6755	Séminaire de recherche	3 Units

ERG 6761	Séminaire d'intégration des acquis en ergothérapie	3 Units
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#### Clinical Placements <sup>1</sup>

ERG 5901	Clinical Placement in Occupational Therapy I	
ERG 5902	Clinical Placement in Occupational Therapy II	
ERG 6903	Clinical Placement in Occupational Therapy III	
ERG 6904	Clinical Placement in Occupational Therapy IV	
ERG 6905	Clinical Placement in Occupational Therapy V	

**Total:** 60 Units

Note(s)

<sup>1</sup> A minimum of 1000 placement hours must be completed over the five clinical placements.

## Master's with Coursework and Research Project

### Compulsory Courses

ERG 5512	Anatomie et éléments du mouvement pour la participation occupationnelle	3 Units
ERG 5525	Exploration de la participation occupationnelle	3 Units
ERG 5526	Analyse de la participation occupationnelle	1.5 Units
ERG 5527	Participation occupationnelle de l'enfant et l'adolescent	1.5 Units
ERG 5528	Aspects sociopolitiques de la participation occupationnelle	3 Units
ERG 5714	Principes généraux du processus de pratique ergothérapique	3 Units
ERG 5722	Perspectives théoriques et modèles en ergothérapie	3 Units
ERG 5741	Atteintes à la santé des enfants et approches d'intervention	3 Units
ERG 5742	Atteintes à la santé physique des adultes et approches d'intervention	3 Units
ERG 5743	Atteintes à la santé mentale des adultes et approches d'intervention	3 Units
ERG 5744	Atteintes à la santé des personnes âgées et approches d'intervention	3 Units
ERG 5754	La recherche en ergothérapie	3 Units
REA 5703	Pratiques professionnelles en réadaptation	3 Units
ERG 6715	Pratiques professionnelles avancées en ergothérapie	3 Units
ERG 6741	Intervention de l'ergothérapeute auprès des enfants	3 Units
ERG 6742	Intervention de l'ergothérapeute auprès des adultes (santé physique)	3 Units
ERG 6743	Intervention de l'ergothérapeute auprès des adultes (santé mentale)	3 Units
ERG 6744	Intervention de l'ergothérapeute auprès des personnes âgées	3 Units
REA 6503	Pratique factuelle en réadaptation	3 Units
<b>Seminars</b>		
ERG 6761	Séminaire d'intégration des acquis en ergothérapie	3 Units

### Research Project

ERG 6920	Individual Research Project	6 Units
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#### Clinical Placements <sup>1</sup>

ERG 5901	Clinical Placement in Occupational Therapy I	
ERG 5902	Clinical Placement in Occupational Therapy II	
ERG 6903	Clinical Placement in Occupational Therapy III	
ERG 6904	Clinical Placement in Occupational Therapy IV	
ERG 6905	Clinical Placement in Occupational Therapy V	

**Total:** 63 Units

Note(s)

<sup>1</sup> A minimum of 1000 placement hours must be completed over the five clinical placements.

## Specific Requirements for the Master's Program

### Minimum Requirements

The pass mark in each individual course is C +. S (Satisfactory) is required for each clinical placement.

Two failures (course or clinical placement) result in withdrawal from the program. In the case of a single failure, the failed course or clinical placement can be repeated the next time the course is offered, but registration for courses or clinical placements for which the failed course or clinical placement is a prerequisite will not be possible. In this case, it will not be possible to complete the program within the prescribed time. Failing the repeated course or clinical placement is considered a second failure.

### Duration of the Program

The program normally runs over 6 consecutive full-time terms. All program requirements are expected to be complete, including the placements and the Research Project (ERG 6755 or ERG 6920), within this two-year period.

### Expected Professional Behaviour

You must comply with the requirements of integrity as well as professional ethics in all aspects of your program (courses, clinical placements, projects) during your interactions with colleagues, professors, clinical supervisors, clients, research participants, academic staff, etc. A list of essential skills and qualifications of occupational therapy can be found here (<https://www.uottawa.ca/faculty-health-sciences/sites/g/files/bhrsdk346/files/2021-12/fhs-rehabilitation-essential-skills-occupational-therapy.pdf>).

### Requirements for Clinical Placements

You must adhere to the requirements established by the Faculty of Health Sciences Requirements for practical learning activities (<https://www.uottawa.ca/faculty-health-sciences/clinical-education/>) (courses, labs, internships and clinical placements) regarding immunizations, police records and any other training or information required to ensure health and safety in clinical placement settings. It is your responsibility to know these requirements and to abide by them.

*This is a copy of the 2025-2026 catalog.*

Non-adherence to the requirements can have major consequences, including not being able to start a clinical placement and even withdrawal during a clinical placement.

Attendance at clinical placements is mandatory, the abandonment of a clinical placement already started without good reason is a failure. In accordance with the affiliation agreement between the University of Ottawa and the clinical institution: "The organization may terminate an internship in a clinical setting and prohibit a student from continuing it if, in its opinion, the student's behavior represents a potential danger to its customers or patients or has a negative impact on their well-being or on the personnel of the organization ". If you are dismissed from a clinical placement by the clinical organization, you will receive a failing grade for this clinical placement.

The clinical placements take place in the Ottawa region as well as in other parts of Ontario and Canada. You may be assigned to a local or out-of-area clinical placement. In some cases, the Consortium National de Formation en Santé (<http://www.cnfs.ca/>) (CNFS) may cover part of the travel costs for out-of-area clinical placements.

All students are expected to have placements in both majority English-speaking settings and in majority French-speaking settings.