



working together  
for better care

# Master of science (MSc) in health sciences

## GENERAL OUTLINE

The University of Lausanne (UNIL) and the University of Applied Sciences Western Switzerland (HES-SO) are offering a joint Master of Science (MSc) in Health Sciences including five orientations: occupational therapy, physiotherapy, nutrition and dietetics, midwifery and medical radiology techniques. It is aimed at students who hold a Bachelor's in one of these disciplines.

### Objectives

This innovative, advanced, interprofessional course is the only one of its kind in Switzerland and allows students to develop and enhance both specific knowledge in their own discipline and a broader understanding of the issues across the five professions.

It emphasises skills development in critical thinking, research methods and professional leadership, to support the use of relevant, evidence-based data in professional practice. It places particular importance on interprofessional cooperation.

### Career prospects

By the end of the course, you will be equipped to take on significant responsibilities within the health system, by promoting and supervising high-quality, efficient and coordinated interventions.

The MSc in Health Sciences provides access to careers in a very diverse range of activities, including:

- Promotion and implementation of scientifically based practices
- Development, coordination and evaluation of projects and services
- Professional and interprofessional teaching
- Health care research, quality and safety
- Communicating and disseminating information to various target audiences
- Team leadership from the perspective of interprofessional cooperation
- Representing and defending the interests of users of the health system.

## GENERAL INFORMATION

### Organiser

Faculty of Biology and Medicine  
University of Applied Sciences Western  
Switzerland (HES-SO)

### Degree awarded

Master of Science (MSc) in Health Sciences,  
orientation Occupational Therapy; Nutrition  
and Dietetics; Physiotherapy; Midwifery; or  
Medical Radiology Techniques

### ECTS credits

90

### Duration

3 semesters full-time  
(5 to 6 semesters part-time)

### Teaching language

French. Courses may be taught in English.  
Recommended levels: C1 in French, B2 in  
English.

### Contact

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### More information

[www.hes-so.ch/msca](http://www.hes-so.ch/msca)

## EDUCATIONAL CONTENT

### Description

The MSc in Health Sciences is a modular programme including:

- compulsory interprofessional modules common to all 5 orientations, some of which are shared with the Master of Science (Msc) in Nursing Sciences
- compulsory modules specific to the orientation chosen
- compulsory and optional modules chosen by the student
- a Master's project, which starts at the beginning of the course and consists of carrying out a piece of research related to the orientation chosen or to interprofessionality. This consists of a written dissertation, with a viva in front of a panel of examiners.

## SYLLABUS

### Compulsory interprofessional modules (28 ECTS)

- Research Methodology
- Professional Reasoning, Leadership and Advanced Practice
- Advanced Interprofessional Collaboration
- Politics, Economics, Human and Social Sciences in Health
- Evidence-Based Practice and Implementation Science

### Optional modules (12 ECTS)

- A choice of modules allowing students to tailor the course to their interests

### Occupational Therapy orientation (20 ECTS)

- Theories of Occupation
- Specific interventions in Advanced Occupational Therapy Practice
- Applied Leadership and Reasoning in Occupational Therapy

### Nutrition and Dietetics orientation (20 ECTS)

- Human Nutrition and Metabolism
- Advanced Practices and Leadership in Nutrition and Dietetics 1
- Advanced Practices and Leadership in Nutrition and Dietetics 2
- Nutritional Epidemiology and Research in Nutrition

### Physiotherapy orientation (20 ECTS)

- Critical Thinking in Physiotherapy
- Advanced Practices in Physical Activity Interventions with Specific Populations
- Interventions in Advanced Physiotherapy Practice
- Innovation in Physiotherapy

### Midwifery orientation (20 ECTS)

- Reproductive Justice and Ethics of Decision-making in Advanced Midwifery Practice
- Maternity Care Models
- Perinatal Health: Challenges and Public Health Approach
- Project Management in Perinatal Care

### Medical Radiology Techniques orientation (25 ECTS)

- Basics of Medical Radiology
- AI, Digitisation and Innovations
- Risks, Incidents and Safety: MRT Role Development and Leadership
- Quality Assurance in Medical Radiology

### Master's Thesis (30 ECTS)

## GENERAL INFORMATION

### Admission requirements

[www.hes-so.ch/mscsa](http://www.hes-so.ch/mscsa)

### Head of studies

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### Enrolment and final date

[www.hes-so.ch/mscsa](http://www.hes-so.ch/mscsa)

### Start of courses

Mid-September  
Academic calendar:  
[www.unil.ch/central/calendar](http://www.unil.ch/central/calendar)  
[www.hes-so.ch](http://www.hes-so.ch) > La HES-SO > HES-SO Master  
> Calendrier académique

### Master Student Guide HES-SO

[www.hes-so.ch](http://www.hes-so.ch) > La HES-SO > HES-SO Master  
> Étudier

### Information on studies at UNIL and HES-SO, guidance

[www.unil.ch/soc](http://www.unil.ch/soc)

### Career prospects

[unil.ch/perspectives](http://unil.ch/perspectives)



**Hes·so**

Haute Ecole Spécialisée  
de Suisse occidentale

Fachhochschule Westschweiz  
University of Applied Sciences  
Western Switzerland

*Unil*

UNIL | Université de Lausanne

Faculté de biologie  
et de médecine