

Hes·so

Master of Science HES-SO in Life Sciences (MLS)

Four Majors

Applied Biosciences (AB)

Chemical Development & Production (CDP)

Natural Resource Management (NRM)

Viticulture & Enology (VE)

Presentation

The Master of Science HES-SO in Life Sciences (MLS) is a consecutive Master programme with specialisations in Applied Biosciences (AB), Chemical Development & Production (CDP), Natural Resource Management (NRM), and Viticulture & Enology (VE). It is designed for highly motivated students who want to improve their career prospects.

The MLS offers a well-balanced curriculum including advanced specialisation courses within each chosen major. Business, management and data handling courses are built into the programme, equipping students to meet the challenges demanded by tomorrow's job market.

The MLS is a collaboration with three Swiss Universities of Applied Sciences and Arts: BFH, FHNW and ZHAW.

This organisation offers students the unique opportunity to share professional experiences and expand their personal networks within the Life Science community.



AB, CDP, NRM : Full time or part time
VE : Full time



AB, CDP, NRM : 3 semesters (full time) or 5 semesters (part time)
VE : 4 semesters (full time)



Starts in mid-September



Main locations : Sion (AB), Fribourg (CDP), Geneva (NRM), Changins (VE)



English



AB, CDP, NRM : 90 ECTS
VE : 90 ECTS + 30 ECTS (MLS + Vinifera)



CHF 500.- (tuition fees) and CHF 250.- (study costs) per semester



Major in Applied Biosciences (AB)

School of Engineering – HES-SO Valais-Wallis – HEI, Sion

This major aims to broaden and deepen students' understanding of biosciences at the interface between biology and chemistry. The programme, through a transversal approach, provides the necessary skills to manage and to work on complex and multidisciplinary Biotech, Medtech or Pharma projects.

Major in Chemical Development & Production (CDP)

School of Engineering and Architecture Fribourg (HEIA-FR)

Successful development of robust, safe, economical and green chemical processes depends on the knowledge and practical skills of process chemists. The CDP major provides core training in chemistry and chemical engineering, as well as the necessary skills to manage projects involving chemical production ranging 'from the milligram to the ton'.



Major in Natural Resource Management (NRM)

Geneva School of Engineering, Architecture and Landscape – HEPIA

This major provides students with the skills to design and implement integrated and sustainable management of ecosystems and their production on a regional scale. Training focuses on the development of collaborative projects in environmental management, conducted in partnership with professionals (managers, SMEs, administrations, NGOs).



© Geneva School of Engineering, Architecture and Landscape – HEPIA

Major in Viticulture & Enology (VE)

CHANGINS – School of Viticulture and Enology

This major provides students with the tools to analyse and resolve complex problems in Viticulture and Enology, from grape to wine, from management to market, on a strategic and operational level. Students learn how to operate efficiently and effectively in the economic, ecological and political environment of the grape wine industry. The acquired skills equip students to think creatively and flexibly, and to make advances in grape growing, wine making, and the wine business.

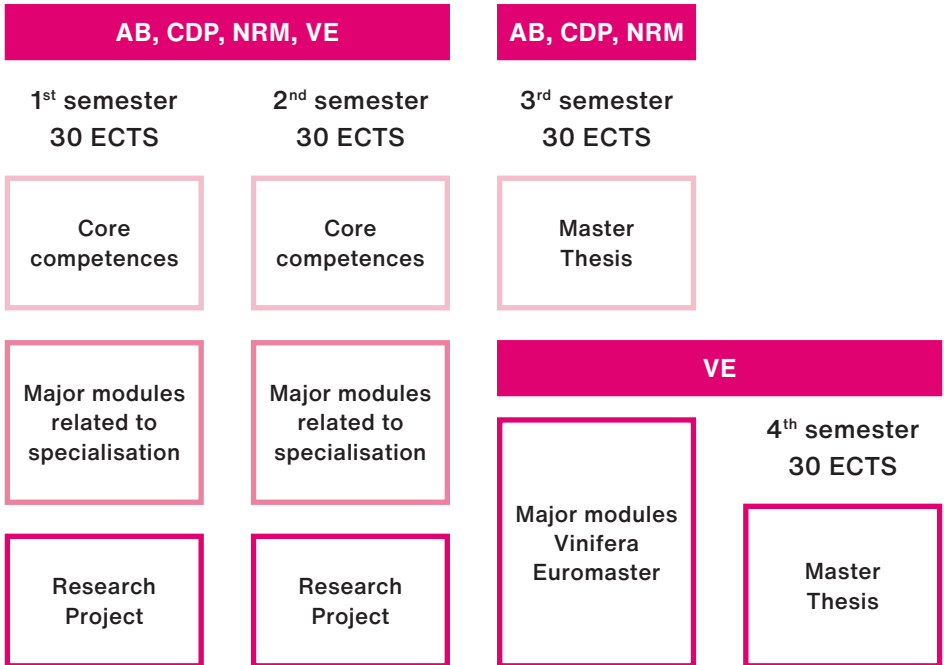
This major is offered as a joint diploma by HES-SO and the Vinifera EuroMaster Consortium.

Students taking this 120 ECTS programme will spend their first year in HES-SO, and their second year in one of the universities of the Vinifera EuroMaster Consortium.



© CHANGINS – School of Viticulture and Enology

Curriculum



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“After my Bachelor’s degree, the question was to study a Master’s or not. I decided to go for it! A Master’s degree provides the opportunity to expand your knowledge, to satisfy your curiosity, to quench your thirst for learning and discovery. In short, it is a chance to develop your skills even further. Studying a Master’s degree is completely different from a Bachelor’s: it’s more independent, interactive and dynamic, and the subjects are closer to real life. A Master’s has the advantage of preparing you for working in the industry. In addition, a Master’s offers a new kind of social life. You meet people from different backgrounds, cultures and values. These contacts are enriching and open us to the world. It’s an excellent experience for our entire working life.”

Delphine Balmer, MLS

Admission

Admission is decided on the basis of the candidate's portfolio. Requirements are as follows :

- UAS Bachelor's degree in a related field
- Bachelor's degree in a related field from a University or Institute of Technology, subject to completing a practical internship related to the chosen major
- Other applications are judged on the academic curriculum and the practical experience related to the chosen major.

Candidates must hold a B2 level in English according to the Common European Frame-work of Reference for Languages.

Candidates must submit a registration fee of CHF 150.- (non-refundable) at the point of application.

Registration

From December – to 30 April

hes-so.ch/mls

Partner schools

- **School of Engineering and Architecture Fribourg (HEIA-FR)**
heia-fr.ch
- **Geneva School of Engineering, Architecture and Landscape – HEPIA**
hesge.ch/hepia
- **School of Engineering – HES-SO Valais-Wallis – HEI**
hevs.ch
- **CHANGINS – School of Viticulture and Enology**
changins.ch

Contact

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