MASTER HES-SO IN LIFE SCIENCES

The Master of Science HES-SO (MSc) in Life Sciences focuses on the technological and scientific aspects of the fields of health, food technology and the environment as well as viticulture and enology. This specialisation will start in September 2012.

Specialisation in Viticulture and Enology:
- Sustainable Viticulture and Enology
- Innovative Product Development
- Advanced Analytical Techniques
- Winery Design & Management
The HES-SO Master in Life Sciences offers a specialisation in Vitiiculture and Enology given at the Engineering School of Changins EIC. The programme consists of 3 entrepreneurial and 6 extended scientific modules, taught in Spiez and Berne, respectively, and 5 specialisation modules in Vitiiculture and Enology, taught at School of Changins EIC.

Objectives

Master graduates are able to analyse growing potential and environmental risks associated with grape production in Switzerland and abroad:

- Acquire advanced knowledge related to genetic resources and breeding of grape vines
- Get an insight into the influence of microclimate on vine growth and grape maturity
- Assess the risks of diseases and pests on a vineyard site and develop strategies to prevent and control them by using models and adapted methods for sustainable viticulture
- Apply advanced knowledge of grape and wine composition to optimise winemaking practices and maximise wine quality
- Apply technical, economic, ecological and ergonomic aspects to winery design; evaluate the potential of new winemaking techniques and products
- Acquire advanced analytical techniques related to viticulture and enology and perform the analyses; use innovative sensory evaluation techniques
- Acquire advanced knowledge in management methodology, marketing, public relation, and human resources related to viticulture and enology
- Apply techniques and use instruments related to business administration.

Contact

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HES-SO//Master

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Registration
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