

Master Life Sciences

Qualification awarded
Master of Science HES-SO in Life Sciences

Majors

Industrial Life Sciences
Chemical Development and Production, HES-SO Fribourg
Bioconversions and Bioprocesses, HES-SO Valais Wallis
Analytical Sciences and Natural Product Chemistry, HES-SO Valais Wallis

Food, Consumer Health and Enology
(*pending formal recognition by the Swiss federal authorities*)
Enology, HES-SO Ecole d'ingénieurs de Changins
Food Safety Management, HES-SO Valais Wallis

Applied Environmental and Natural Resources Sciences
(*pending formal recognition by the Swiss federal authorities*)
Management of Watershed Ecosystems, HES-SO Genève

Description

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. This MSc follows directly on from the Bachelor of Science (BSc).

National co-operation partners
HES-SO (Fribourg, Lullier, Changins and Sion campuses), ZFH (Zürcher Fachhochschule für Angewandte Wissenschaften, ZHAW; Wädenswil), BFH (Schweizerische Hochschule für Landwirtschaft; SHL; Zollikofen), FHNW (Hochschule für Life Sciences; Muttenz).

This is a national-level course, with the general core subjects and extended theoretical basics taught centrally (Berne; Spiez). This cooperation enables students to exchange their professional experiences and expand their personal networks. The theory courses relating to specialisations and the research work (master's thesis) are undertaken at the institution which houses the relevant MRU (Master's Research Unit).

Description of the modules

- Entrepreneurial core subjects (12 ECTS credits to be chosen from 20, centralised block weeks, a total of 3 one-week modules in Spiez, surcharge for accommodation, breakfast and lunch, at CHF 350.00 per module).
These courses develop the skills and knowledge at the interface between technology and the socio-economic context.
[Further information >>](#)
- Extended theoretical basics (18 ECTS credits to be chosen from 33; centralised courses of 2 days per week)
These courses provide a solid foundation for specific specialisations.
[Further information >>](#)
- Specialisations (20 ECTS credits; taught using a variety of teaching methods at the different campuses)
This part of the course prepares students for the completion of their master's thesis.
- Master's thesis (40 ECTS credits; undertaken on campus, in industry or with a public institution)

Professional perspectives

The MSc HES-SO in Life Sciences is internationally recognised, and opens up improved employment perspectives at higher levels of responsibility compared with the BSc, in

■ Engineering and Architecture

Contact

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Access

Registration Registration closed

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MRU Terre Nature Paysage HES-SO Genève

Documents [Calendar 2010 -2011](#)

- research and development,
- human resources management,
- budget management.

Course arrangements

ECTS credits	90
Duration	3 semesters
Language	French, German and English
Registration fee	CHF 150.-
Costs	CHF 500.- per semester CHF 350.- (per module in Spiez, accommodation included)
Calendar	Start of courses: 20 September 2010

Schools

Haute école du paysage, d'ingénierie et d'architecture de Genève
hepia
Rue de la Prairie 4
1202 Genève
T : +41 22 546 24 00

<http://hepia.hesge.ch>

HES-SO Valais Wallis - Sciences de l'ingénieur-e
Rue du Rawil 47
1950 Sion 2
T : +41 27 606 85 11

<http://www.hevs.ch>

Ecole d'ingénieurs de Changins - EIC
Route de Duillier
1260 Nyon
T : +41 22 363 40 50

<http://www.eichangins.ch>

Ecole d'ingénieurs et d'architectes de Fribourg - EIA-FR
Boulevard de Pérolles 80
1700 Fribourg
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