



Master Degree « Viticulture and Environment »

Contacts and registration

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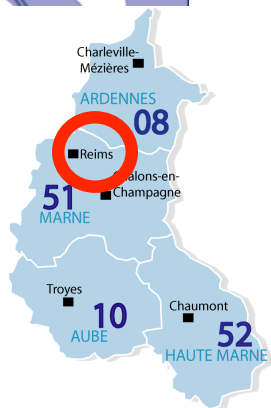
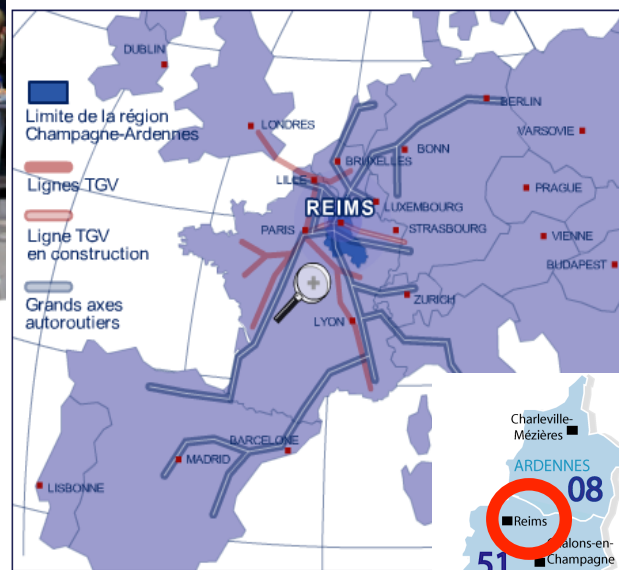
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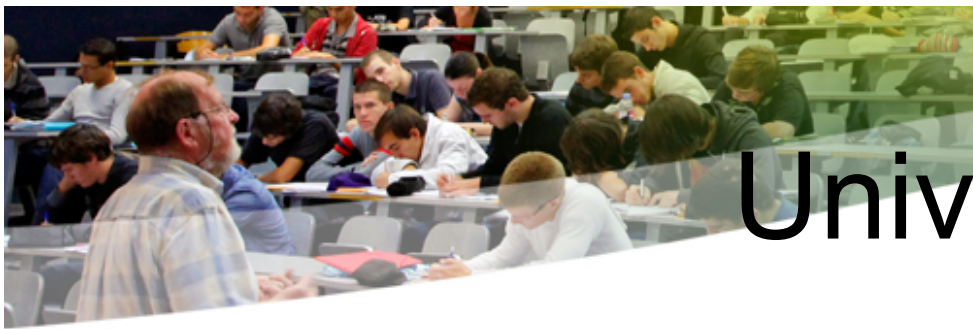


Location



Université de Reims Champagne-Ardenne





University





Objectives

- By taking full account of the advances in fundamental and applied research and also by the courses in line with the work market, the master Science of Vine and Wine (SVW) will prepare you to fulfill the functions of specialized managers.
- At the end of the training, you will be able to, manage sustainably grape and wine resources, to supervise the management of inputs and the tributary in grape growers and in oenology, apply the current regulations and the legislation, organize a general system of qualified insurance, manage accounting of grape and wine industry, and participate to the trade policy and marketing grape and wine industry.
- The master SVW, adapted to changes in grape and wine sector, allows you to acquire knowledge and scientific, technical and professional skills in the areas of viticulture, environment and oenology.
- The entirety of the grape-and wine-production is covered from the improvement and production of the grapevine in a context of sustainable development to the elaboration and marketing of the final product, the wine.



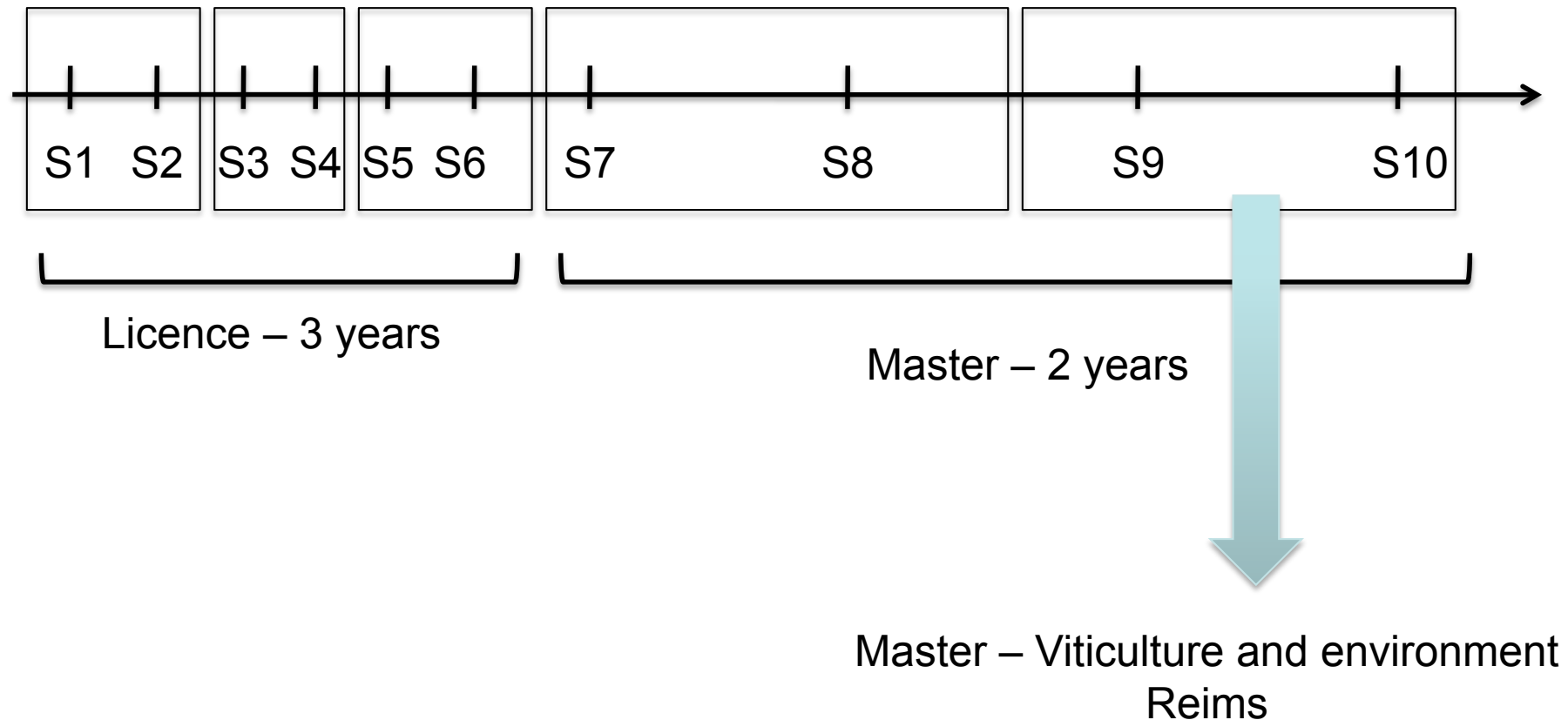


Opportunities

- Following graduation, the master SVW will offer you many available opportunities in the areas of Agriculture, Environment, Viticulture and Oenology.
- Whether for Viticulture and Environment specialty
- Advisor in vine and wine trading company or chamber of agriculture,
- Director of agricultural union,
- Communication officer in technical Institutes,
- Marketing and Sales manager, grapevine purchasing Manager,
- Agronomist engineer,
- Teacher in the field of viticulture and oenology,
- Engineering consultants,
- ...

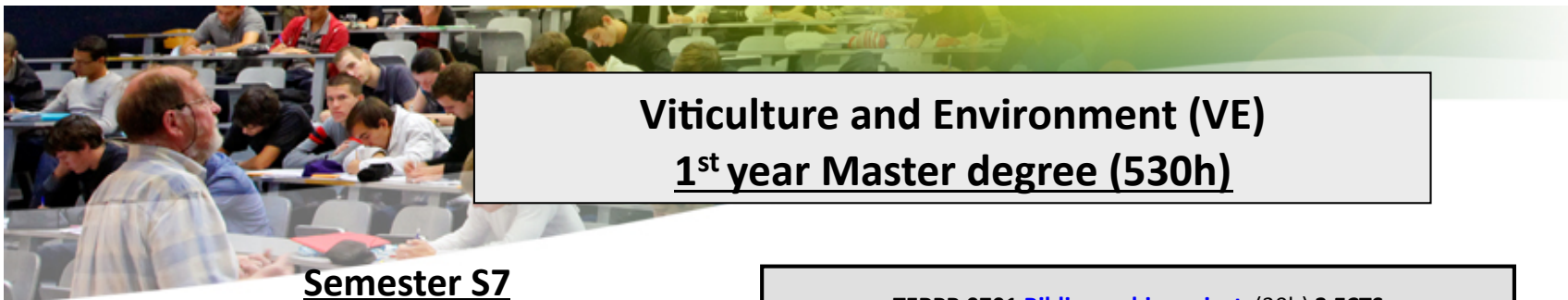


French system



S: semester





Viticulture and Environment (VE)

1st year Master degree (530h)

Semester S7

5 UE, 30 ECTS

TERPB 0701 Bibliographic project (30h) 3 ECTS
ANG 0701 French/English (25h) 1.5 ECTS
STATI 0701 Statistics (25h) 1.5 ECTS

QBE 0701 Biological Quality of the Environment (50h) 6 ECTS	SOLE 0701 Soil and Environment: properties and soil evolution (50h) 6 ECTS
CVB 0701 Plant components and Biosynthesis (50h) 6 ECTS	BMBL 0701 Bacterial and Yeast Molecular Biology (50h) 6 ECTS

Semester S8

5 UE, 30 ECTS

VE 0801 Trainingship in Laboratory/Company 3 ECTS
ANG 0801 French/English (25h) 1.5 ECTS
STATI 0801 Statistic (25h) 1.5 ECTS

BPVI 0801 Biology and Physiology of Grapevine (50h) 6 ECTS	TPV 0801 Grapevine Phytosanitary Treatments (50h) 6 ECTS
GDP 0801 Genetic of Plant Development (25h) 3 ECTS	PVI 0801 Viticultural pedology (25h) 3 ECTS
PRV 0801 Physiology of Plant Reproduction (25h) 3 ECTS	BIOVI 0801 Wild Plant Diversity in Vineyard (25h) 3 ECTS



Admission in 2nd year

Students having obtained the first year of Master's degree of the mention SVW:

- for the Viticulture and Environment specialty, a level in **English is required: the level B1-TOEIC (more than 550 points)**,
- Directly for the students having obtained the first year of the master SVW with a distinction;
- After examination of the student records by the teaching staff for those having obtained the first year without distinction.

Students having obtained a first year of Master's degree of another mention:

- Following selection by written application and audition (phone conversation for foreign students). The admission is managed by the teaching staff.
- A request of Validation of Acquired Experiences or Validation of Professional Acquirement can be made to reach the attribution of the diploma.

During the 2nd year of the Master's degree, the course will be delivered in English.



Viticulture and Environment (VE) 2nd Master degree (400h)

Semester S9

5 UE, 30 ECTS

KC 0901 Knowledge company (30h) 3 ECTS
COMM 0901 Communication and personal project (30h) 3 ECTS
FR 0901 French (30h) 1.5 ECTS
STATI 0901 Statistics and methodology (20h) 1.5 ECTS
BWC 0901 Bibliographical work and Conferences (30h) 3 ECTS

GIBG 0906 Genetic improvement and breeding of grapevine (25h) 1.5 ECTS
PEP 0902 Plant ecophysiology (25h) 1.5 ECTS
VITEU 0901 Viticulture in Europe (25h) 1.5 ECTS
GraDis 0907 Grapevine diseases (25h) 1.5 ECTS

ERTM 0901 Environmental risks III Tools, Modeling (50h) 3 ECTS
ENV 0901 Environmental management (25h) 1.5 ECTS
VITILEG 0902 Viticultural Legislation (10h) 0.5 ECTS
LAW 0902 Labour law (25 h) 1 ECTS

IPM 0908 Integrated pest management in viticulture (25h) 3 ECTS
PDM 0905 Plant defense mechanisms (25h) 3 ECTS
Phyto 0904 Phytoremediation (25h) 3 ECTS
Choose to 2 units among 3

Semester S10

30 ECTS

VE 1001 Laboratory / company training in a foreign country 6 months 30 ECTS
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Master degree “Vine and Environment”

Semester S9, 5 UE – 30 ECTS

KC 0901 Knowledge company (30h) 3 ECTS
COMM 0901 Communication and personal project (30h) 3 ECTS

- **Knowledge company (30h) 3 ECTS**
 - Discover the structure within the company to understand how it works.
 - Acquire of a professional approach in finding internships and jobs, and preparation for insertion into the professional environment.
- **Communication and personal project (30h) 3 ECTS**
 - Learn the different techniques of communication and personal development.
 - Achievement of self-record of expertise to facilitate an effective research of training and employment.

Master degree “Vine and Environment”

Semester S9, 5 UE – 30 ECTS

FR 0901 French (30h) 1.5 ECTS
STATI 0901 Statistics and methodology (20h) 1.5 ECTS
BWC 0901 Bibliographical work and Conferences (30h) 3 ECTS

- **Bibliographical work and Conferences (30h) 3 ECTS**
- Provide students with the methodology required to operate the bibliography and the writing of scientific articles.
- Depth of some topics through lectures by researchers on their work.
- **French / English (30h) 1.5 ECTS**
- Improve on the French level.
- **Statistics and methodology (20h) 1.5 ECTS**
- Implement an appropriate methodological plan including statistics to solve biological problems.

Master degree “Vine and Environment”

Semester S9, 5 UE – 30 ECTS

GIBG 0906 Genetic improvement and breeding of grapevine (25h) 1.5 ECTS
PEP 0902 Plant ecophysiology (25h) 1.5 ECTS
VITEU 0901 Viticulture in Europe (25h) 1.5 ECTS
GraDis 0907 Grapevine diseases (25h) 1.5 ECTS

- **Genetic improvement and breeding of grapevine (25h) 1.5 ECTS**
- Practical knowledge of techniques used for breeding and clonal selection in viticulture.
- **Plant ecophysiology (25h) 1.5 ECTS**
- Understand the influence of natural variables on the plants physiology.
- **Viticulture in Europe (25h) 1.5 ECTS**
- Improvement of students' knowledge on the European viticultural terroir.
- Study of the national and international vineyards.
- **Grapevine diseases (25h) 1.5 ECTS**
- Improvement of scientific knowledge on grapevine diseases.
- General concepts related to plant pathology.



Master degree “Vine and Environment”

Semester S9, 5 UE – 30 ECTS

ERTM 0901 Environmental risks III Tools, Modeling (50h) 3 ECTS	
ENV 0901 Environmental management (25h) 1.5 ECTS	
VITILEG 0902 Viticultural Legislation (10h) 0.5 ECTS	LAW 0902 Labour law (25 h) 1 ECTS

- **Environmental risks III Tools, Modeling (50h) 3 ECTS**
- Acquire of knowledge on scientific software useful in risk analysis.
- Use mathematical basis (statistical treatments, ...) to manage projects dealing with risk.
- **Environmental management (25h) 1.5 ECTS**
- Get a comprehensive view of all environmental aspects related to the wine and viticulture industries.
- **Viticultural Legislation (10h) 0.5 ECTS**
- Gain knowledge on the wine and viticulture legislation at the European level.
- **Labour law (25 h) 1 ECTS**
- Gain knowledge on employment law and how to apply the regulation and legislation.



Master degree “Vine and Environment”

Semester S9, 5 UE – 30 ECTS

IPM 0908 Integrated pest management in viticulture (25h) 3 ECTS	Choose to 2 units among 3
PDM 0905 Plant defense mechanisms (25h) 3 ECTS	
Phyto 0904 Phytoremediation (25h) 3 ECTS	

- **Integrated pest management in viticulture (25h) 3 ECTS**
- Improve scientific knowledge by understanding the mechanisms involved in the control of the grapevine enemies through the introduction of environmentally save strategies as alternatives to chemicals in viticulture.
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- **Plant defense mechanisms (25h) 3 ECTS**
- Gain knowledge on plant defense responses by discussing scientific papers
- Acquirement of laboratory techniques used in defense mechanisms study (PCR/RT-PCR, HPLC, ...).
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- **Phytoremediation (25h) 1.5 ECTS**
- Acquire of basic knowledge on the use of plants and microorganisms to decontaminate the environment.
- Provide sustainable solutions to rehabilitate biologically contaminated environments and preserve their quality.





Master degree “Vine and Environment”

Semester S10 – 30 ECTS

VE 1001 Laboratory / company training in a foreign country

6 months 30 ECTS

- **Laboratory / company training in a foreign country 6 months**
- Acquire the basic elements on the practice of research activity.
- Develop the technical tools for the implementation of research experiments in a scientific context.
- The Viticulture and Environment specialty benefits from partnerships and alliances with University of Brock (Canada), University of Debrecen (Hungary), Universities of Florence and Potenza, University of Moulay Ismail (Morocco) and Institute of Agronomy (Portugal).
- All the learning is delivered by teachers-researchers and external speakers in English (worldwide professionals of grape and wine sector).