

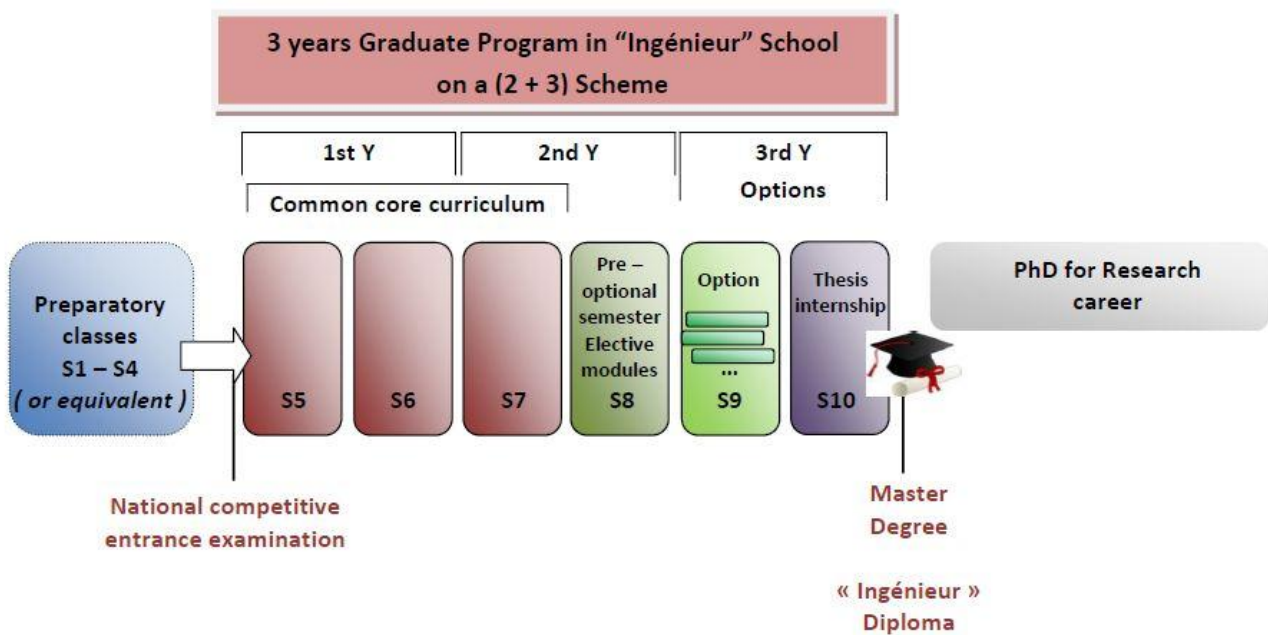


VetAgro Sup

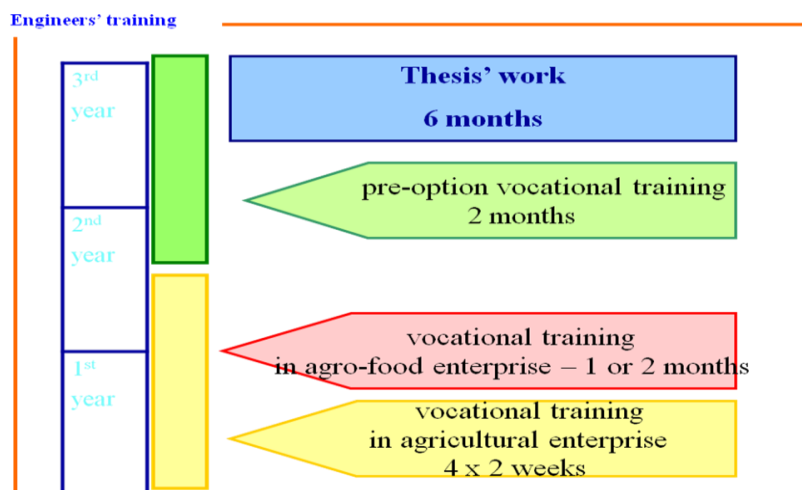
VetAgro Sup Institute, France

## Graduate program in Agricultural, Food and Environmental Sciences

November 2014



Vocational training (internship) periods



## List of taught courses

### 1<sup>st</sup> year

#### 5<sup>th</sup> semester (common core)

- General microbiology and food microbiology
- Introduction to engineer course
- Soil and fertility management, relationship soil-plant-atmosphere
- Crop systems and water management
- Farm animal feed and grassland management
- General economics
- Rural development policies and institutions
- General accounting, economic and financial analysis
- Student internship on a farm
- Husbandry systems, animal raising and lactation
- Student internship in agrifood companies
- Data gathering and management
- Project approach
- Personal development
- English language
- Second foreign language

#### 6<sup>th</sup> semester (common core)

- Survey and oral communication
- Project approach
- Livestock management, animal breeding and animal pathology
- Food technology: food products and human nutrition
- Agrifood economics
- Enterprise management and decision making
- Data processing and statistics
- Ecology, plant protection and environment
- Student internship in agrifood companies
- Systemic approach on a farm
- Personal development
- Student internship on a farm
- Integrated risk management: quality, safety and environment
- English language
- Second foreign language

## 2<sup>nd</sup> year

### 7<sup>th</sup> semester (common core)

Statistics - data analysis  
Human resources management and law  
Management control and accounting  
Spatial planning and rural development  
Food and agricultural policy  
Tillage and crop yield elaboration: agronomic equipment  
Genetics and biotechnologies  
IT project management, information systems and databases  
Food technology: intermediate food products  
Sustainable development  
Institutions and politics of agricultural development: application at departmental scale  
Agri-food supply chains  
English language  
Second foreign language  
Personal development  
Student internship on a farm  
Student internship in agrifood companies  
Organisation functioning and interpersonal relations

### 8<sup>th</sup> semester (pre optional modules)

Series 1\* \*Only one module to choose in a series

Europe and rural development  
Intercultural approach in international relations  
Agricultural issues for tropical regions  
TRANS-FAIR - Rural development through local processing agricultural commodities into agrifood products, from global market to fair trade – taught in English

Series 2\* \*Only one module to choose in a series

Agriculture and environmental conservation  
Modelling and simulation applied to agroecological challenges  
Heritage and territorial development  
Local products, tradition and innovation  
Organic farming ... or Organic farmings ? – taught in English

Series 3\* \*Only one module to choose in a series

Food, nutrition and human health  
Public college of Agriculture: course for civil servant students  
Implementation of international development projects  
Farm installation and rural entrepreneurship  
Ecology and forestry  
Cartography and Geographical Information Systems – taught in English

Series 4\* \*Only one module to choose in a series

Diagnosis of an agronomical situation, plant breeding and crop protection  
Territory diagnosis and pastoralism  
From territory diagnosis to action strategy  
Introduction to agrifood system challenges: from consumers to companies  
Marketing orientation and business approach  
Grazing, animal welfare and behaviour  
Agronomy and plant breeding  
Grassland multifunctionality – taught in English

Student externship

English language

### 3<sup>rd</sup> year specialization programs

#### **Agronomy, Vegetal Productions and Environment**

Agronomic diagnosis, sustainable systems of production, environment

#### **Livestock and farming systems**

Fodder systems, branch-product, breeding systems and environment

#### **Genomics, ecophysiology and vegetal productions**

Genetics, physiology, agronomy, experiment, innovation

#### **Marketing, agricultural and food markets**

Marketing, business, commercial management, firm

#### **Food, Innovation, Management Enterprise**

Agri-food, firm management, consumer, quality-product

#### **Agriculture, Environment, Territory**

Farm, agri-environment, multifunctionality

#### **Engineering of Territorial development**

Territorial development, carrying-out of projects, tourism, heritage, coordination of actors

## Internationalization

- ◆ **International student mobility is compulsory for a minimum period of 2 months. It can be done through student internships and / or academic exchanges**
- ◆ **English language training and language skills assessment by TOEIC test**
- ◆ **Training programs taught in English**
- ◆ **Research programs in European and international scientific networks**

Academic exchanges programs are developed with

- **European universities (under Erasmus scheme)**
- **Universities in South America ( from which Brazil under Sciences without borders program, Peru, Chile)**
- **Asian Universities: Thailand, Cambodia**
- **North American universities : Manitoba (Canada), Minnesota (USA)**

## Main research units

- **CALITYSS : Consumer – Typical food – Food Safety – Health**
- **UMR 1213 Herbivores (joint with INRA Institute) : sustainable farming systems for herbivores that seek to reconcile production efficiency, product quality and socio-economic viability with environmental protection and valuation, and animal welfare.**
- **UMR 1273 METAFORT (AgroParisTech-Inra-Irstea-VetAgroSup) : Changes in Land Use and Governance in Rural Area**