BORDEAUX SCIENCES A G R O

PREPARING FOR THE AGRICULTURE OF TOMORROW

Ecole Nationale Supérieure des Sciences Agronomiques de Bordeaux - Aquitaine

TEACHING - RESEARCH TECHNOLOGY TRANSFER
A HIGH-LEVEL AGRONOMIC CENTER
AT THE HEART OF THE UNIVERSITY OF BORDEAUX CAMPUS

- 3 education/research/transfer departments
- 1 vocational training office
- 12 research units
- 3 technology transfer units
- 11 000 sq meters (118,360 sq ft) of teaching facilities and laboratories
- 350 student housing units on a 17-hectare campus
- 1 29-hectare wine estate
- Sporting facilities (1 gymnasium, 2 sporting fields, 1 dance studio...)

A UNIQUE LIVING ENVIRONMENT, A SUSTAINABLE CAMPUS

In a calm and green environment only a few minutes away from downtown Bordeaux, the school provides its students with the best living conditions during their studies.

Very conscious of sustainable development, the school has undertaken implementation of Agenda 21.

A NATIONAL NETWORK

As a public institution under the authority of the French Ministry of Agriculture, Food and Forestry, Bordeaux Sciences Agro collaborates with the other institutions in France’s network of higher agronomic institutes, notably in the framework of joint courses.

Bordeaux Sciences Agro is also an associate member of the Agreenium consortium that unites the main French actors in research and higher agronomic and veterinary education.

AN INTERNATIONAL OUTLOOK

Bordeaux Sciences Agro has an international outlook in all of its activities:

> Education, through mobility programs and the development of international curricula,
> Research, through joint supervision of doctoral studies, researcher mobility, and projects conducted within international partnerships, and
> Knowledge transfer, by transmitting its know-how abroad.

LOCAL ROOTS

Bordeaux Sciences Agro has developed a close partnership with the university and scientific campus in Bordeaux (the University of Bordeaux, IPB, INRA, CNRS, INSERM, IRSTEA, etc.), where it is the only institute of higher education in agronomics and veterinary science.

In this context, it is helping forge the excellence of the Bordeaux campus: Excellence Initiative (IdEx), Laboratory of Excellence (LabEx), Equipment Excellence (EquipEx), digital campus, etc.

Bordeaux Sciences Agro is a founding member of:

> the Institut des Sciences de la Vigne et du Vin (ISVV), and
> the Institut d’Enseignement Supérieur Forêt Bois.

Bordeaux Sciences Agro also belongs to clusters and competitive hubs:

> INNO’VIN, the Aquitaine region wine sector cluster,
> AGRIMIP Sud-Ouest Innovation, a competitive agrichain hub for the Aquitaine and Midi-Pyrénées regions, and
> XYLOFUTUR, competitive hub for the Aquitaine forestry-wood-paper commodity chain.
Bordeaux Sciences Agro has its own wine estate: Château Luchey-Halde, ideally located on 29 hectares of exceptional land at the center of the renowned appellation, Pessac-Léognan. In 1999, the school began re-developing the estate.

In the space of a few years, the vineyard restored its reputation for excellence and began producing high quality red and white wines. This estate both provides students studying the wine industry with an exceptional working tool, and beautifully showcases the school's know-how and commitment.
PROMOTING THE "PROFESSION–BUSINESS" DIMENSION THROUGHOUT THE TRAINING OF FUTURE GRADUATES, BY FORGING CLOSE PARTNERSHIPS WITH COMPANIES

COURSES BACKED BY INTERNATIONAL RESEARCH IN LINE WITH SOCIETAL NEEDS

- Innovate through research and development to resolve the major issues facing tomorrow’s agriculture,
- Provide its expertise to socio-economic actors through research transfer units,
- Foster ties with companies for better professional integration for students.

A CLOSE RELATIONSHIP WITH COMPANIES

For 50 years, Bordeaux Sciences Agro has been able to forge privileged relationships with companies. These ties supplement the courses taught by the school by helping increase the professionalism of the materials taught and fostering the professional futures of the future graduates by ensuring that the courses are suited to the job market.

In return, sharing field experience in this way strengthens the students’ high-level skills during their various internships and projects, where they are able to take initiatives and be immediately operational.

The companies also benefit from the school’s expertise through the professional projects conducted by students, lifelong training courses, and efforts to ensure the transfer of research that assists and supports professionals in their day-to-day work.

> THE SCHOOL-BUSINESS LINK:
- Professional consortia to discuss industry stakeholders’ needs
- 400 professionals contributing to the courses
- Events bringing students and businesses into contact with each other: career day, the Agro’n Job Forum
- Continuing education courses for companies’ employees
- Degree-level higher apprenticeships
- Research transmission structures.

RESEARCH TRANSMISSION

Bordeaux Sciences Agro helps transfer knowledge to professional circles with its research transmission activities. The institution has a Computing and Management Laboratory that develops software for the agricultural milieu. It also participates in the activities of Vitinnov, an expertise and scientific and technical oversight unit for viticulture.

COOPERATIVE INTERNATIONAL RESEARCH WITH THE BORDEAUX EDUCATION AND RESEARCH FACILITY

Bordeaux Sciences Agro’s research professors and scientists work in 12 research units in collaboration with the University of Bordeaux, INRA, IRSTEA, CNRS and INSERM. They address topics in phase with the major challenges of our time: the ecology of agrosystems, the effects of human practices on the environment, the influence of nutrition on health, precision agriculture, sustainable territorial management, etc.

Involved in three Laboratories of Excellence (LabEx) at the University of Bordeaux, Bordeaux Sciences Agro notably facilitates students’ access to doctoral studies.

> BORDEAUX SCIENCES AGRO’S RESEARCH UNITS:
- UMR 5248 Chemistry and Biology of Membranes and Nano Objects (CBMN)
- UMR 862 Pathophysiology of Declarative Memory
- UMR 1065 Vine Health and Agroecology (SAVE)
- UMR 1220 Soil-Plant Transfer and the Nutrient and Trace Element Cycle in Cultivated Ecosystems (TCEM)
- EA Environment & Geological Resources (GE)
- UMR 1287 Ecophysiology and Grape Functional Genomics (EGFV)
- EA 4577, USC 1366 Enology
- UMR 5185 Urbanism, Development, Environment, Health and Society (ADES)
- UMR 5218 Material and System Integration (IMS)
- USC INRA Governance of Cooperatives, Territories, the Environment and Agricultural Enterprises (GAIA)
- UMR 5295 Bordeaux Institute of Mechanics and Engineering (I2M)
- UMR 5805 Environment and Oceanic Paleoenvironment (EPOC)
AN EXCEPTIONAL LOCATION
IN THE CENTER OF EUROPE

Capital of the Aquitaine Region, the city of Bordeaux enjoys a privileged position within France’s leading region for agricultural value added. Farmland and forests there account for more than 90% of the territory. The Aquitaine is the world’s foremost region for registered designation wines, France’s leading region for production under quality and/or origin labels, and home to the largest planted forest in Europe. This exceptional situation combined with its own advantages gives Bordeaux Sciences Agro a unique advantage to develop academic and scientific partnerships around the world and welcome foreign teachers and students.