France's leading industrial sector, agri-food deals with the design, production, and marketing of food products deriving from agriculture, such as dairy products. Non-food crops are agricultural resources with other purposes, such as pharmaceutical, chemical, textile, or energy. These crops fall under specific branches of agro-industry.

Agri-Food

International

France is Europe's leading agricultural power. Its production exceeds that of its closest competitors (Germany and Italy) by €15 billion.

It ranks first in crop production (18% of all European production) and animal production (15%). It is the top producer, by value, of grains, forage crops, wine, apples, and livestock.

Organic agriculture in Europe occupies 13 million hectares, about 8% of all agricultural land. Spain has the largest share (17.3%), followed by Italy (15.7%), France (15.1%), and Germany (9.4%). Together, the four countries account for more than half of the land used for organic agricultural.

IGP, AOP, and the Label Rouge identify products and production conditions that emphasize quality. IGP signifies a protected geographic designation. AOP signifies a controlled designation of origin.

Held every autumn in Paris, SIAL (international food salon) is the world’s largest event devoted to agri-food innovation with over 6,500 presenters from more than 100 different countries.

Useful links

- Agreenium: www.agreenium.org
- APECITA (French association for managers, engineers, and technicians in the agricultural and agri-food industries): www.apecita.com
- Chlorofil: www.chlorofil.fr
- CIRAD (agricultural research for development): www.cirad.fr
- FNAB (national organic agriculture federation): www.fnab.org
- France agro 3: www.franceagro3.org
- French agricultural education, list of BTS programs in agriculture: https://chlorofil.fr/diplomes/secondaire/btsa
- French agri-food enterprises: https://agriculture.gouv.fr/entreprises-agroalimentaires
- French Ministry in charge of Agriculture: http://agriculture.gouv.fr/Enseignementagricole
- GLEN European program: http://glen-europe.org
- INRAE (national institute of research on agriculture, food, and the environment): www.inrae.fr
- SIAL (international food forum): www.sialparis.fr
- UNREP (national rural union for education and promotion): www.maformationagricole.com
BREVET DE TECHNICIEN SUPÉRIEUR (BTS)
NATIONAL DIPLOMA – 2 YEARS OF HIGHER EDUCATION – L2
120 ECTS credits
> The BTS in Agriculture offers several options that prepare students for specific jobs in the agri-food industry:
- Food Sciences and Technologies;
- Agricultural, Biological, and Biotechnological Analysis;
- Technical-Commercial diplomas.
French education in agriculture and a list of BTS programs in areas related to agriculture: https://chlorofil.fr/diplomes/secondaire/btsa
Options in agricultural production are offered by numerous Lycées Agricoles in specific areas: Viticulture-Enology, Livestock, Agronomy. Plant products, Aquaculture

PROFESSIONAL LICENCE
NATIONAL DIPLOMA – 3 YEARS OF HIGHER EDUCATION – L3
180 ECTS credits
Programs are offered in the following broad areas:
- Law, Economics, and Management (agricultural and agri-food companies) and trade (agri-food and agro-supply, international agri-food business, international marketing of agricultural and agri-food products – fruits and vegetables, agri-food logistics and marketing, consulting for livestock co-ops), agri-food industry (promotion of certified local products), logistics (international supply chain management for agri-food products).
- Sciences, Technologies, and Health in Agronomy (management of rural agricultural companies and sustainable rural development), livestock production (consulting, technical-commercial in animal nutrition), agri-food industry (industrial development of food products, additives and health foods, biotechnology and engineering of beverage procedures, food design and production, agri-food controls, research and development in industrialized culinary arts, cheese, culinary engineering, sanitation and safety, applied nutrition).
- Biological engineering, option in agri-food and organic industries (offered in about 20 university-based institutes of technology – IUTs).
www.campusfrance.org > Students > Studying > Find your programme

MASTER
NATIONAL DIPLOMA – 5 YEARS OF HIGHER EDUCATION – M2
120 ECTS credits
Two programs offer a Master with the following concentrations:
Sciences, technologies, health:
- Agronomy-Agri-Food: environmental management of ecosystems and tropical forests, environmental engineering, tropical agricultural systems and development management, innovative systems and techniques for sustainable agricultural development;
- Chemical and Biological Engineering: process engineering: agri-food environment;
- Chemical Engineering and Agri-Food: bio-processes and marine biotechnologies, design and production of innovative food products;
- Ecosystems, Agro-systems, and Sustainable Development: crop production and agri-food industries;
- Environmental and Natural Resource Management: engineering of agri-food systems in the Mediterranean region;
- Integrative Biology and Agro-Sciences: sense perceptions and innovation in agri-food, food sciences and human nutrition;
- Nutrition, Food Sciences and Agri-food: quality and risk control in the Agri-food sector, quality control in agri-food and fisheries procedures, food safety, advanced food technologies, fermenting processes in agri-food (wine, beer, cheese), statistics, nutritional quality management, food products marketing, processing, industrial applications of agro-resources;
Law, Economics and Management with concentrations available in:
- Law and management of agricultural and agri-food companies,
- European law and agri-food sectors,
- Marketing and sales in agri-food industries,
- Rural economics and strategy for agri-food companies
Programs Taught in English: Agri-Business & Food Engineering, Food identity, Food innovation product design, Food politics, Food science, Global food and agribusiness, International sustainable, Management (agribusiness, agri-food system, chain, food data, food factories of the future,health and food risks, international food and beverage), Nutritional sciences, Physiological and psychological food choice determinants, Organic agriculture, Sustainable food system...
Programs Taught in English: https://taughtie.campusfrance.org

EUROPEAN MASTER
NATIONAL DIPLOMA – 5 YEARS OF HIGHER EDUCATION – M2
120 ECTS credits
Food Innovation and Product Design (FIPDES) AgroParisTech:
www.fipdes.eu

TITRE D’INGÉNIEUR DIPLÔMÉ (ENGINEERING DEGREE)
MASTER LEVEL – 5 YEARS OF HIGHER EDUCATION – M2
120 ECTS credits
Schools of engineering accredited by the French government grant the professional title of graduate engineer. These schools are evaluated by the French commission on engineering degrees (CTI): www.cti-commission.fr
- Bordeaux Sciences Agro (national higher school of agronomic sciences of Bordeaux): www.acro-bordeaux.fr
- ENSIAA (national higher school of agronomy and food industries): http://ensiaa.univ-lorraine.fr
- ESA (higher school of agriculture of Angers): www.groupe-esas.com
- ESIAB (higher school of agri-food engineers of Brittany) - Université de Bretagne Occidentale: www.univ-brest.fr/esiab
- INP ENSAT (national higher school of agronomy of Toulouse): www.ensat.fr
- ISA Lille (higher agricultural institute of Lille): www.isa-lille.fr
- UniLaSalle: www.unilasalle.fr
- VetAgro Sup (national institute of higher education and research in food, animal health, and agronomic and environmental sciences): www.vetagro-sup.fr

www2.agroparistech.fr
www2.agroparistech.fr

AGRICULTURE-ENVIRONMENT