

## First Year

Period 1

### Compulsory courses

#### Chemical engineering, molecular genetics and nutrition

GENE0002-1	<i>Molecular genetics of microorganisms</i> - Micheline VANDENBOL - [2h SEM]	12	10	[+]	2
CHIM9247-1	<i>Industrial chemical processes engineering</i> - Michel PAQUOT	12	12	-	2
ALIM0010-1	<i>Food, human nutrition and dietetics</i> - André THEWIS	20	4	-	2

#### Management techniques

GEST3028-1	<i>Accounting and management</i> - Philippe LEBAILLY	48	-	-	4
GEST3018-1	<i>Quality management</i> - Marianne SINDIC - [6h SEM]	18	-	[+]	2

Period 2

### Compulsory courses

#### Instrumental analysis (electrochemistry and spectrometry)

CHIM9246-2	<i>Instrumental analysis (electrochemistry and spectrometry)</i> - Georges LOGNAY - [8h SEM]	20	44	[+]	6
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#### Food sciences and technologies

BIAA0003-2	<i>Food and agro-food engineering, 2nd part</i> - François BERA	12	12	-	2
ALIM0005-1	<i>Food Formulations Engineering</i> - Christophe BLECKER	16	8	-	2
ALIM0007-1	<i>Physical chemistry of formulations</i> - Christophe BLECKER	18	6	-	2

#### Chemistry of biological systems

BIOL2017-3	<i>Biological chemistry, 3rd part</i> - Michel PAQUOT	36	-	-	3
BIOL2024-2	<i>Applied molecular biology</i> - Franck DEQUIEDT	14	12	-	3

Period 3

### Compulsory courses

#### Biological Process Engineering

GERE0007-2	<i>Digital electronics, second part</i> - Bernard HEINESCH	6	18	-	2
BIOI0002-1	<i>Fermentation and extraction factories, 1st part</i> - Philippe THONART	24	24	-	4

#### Chemistry of natural compounds

CHIM9245-1	<i>Chromatographic analysis</i> - Georges LOGNAY - [6h SEM]	18	-	[+]	2
CHIM9254-1	<i>Practice chemistry of natural compounds</i> - Jean-Paul WATHELET	4	44	-	4

Period 4

### Compulsory courses

#### Placement

MANA0001-1	<i>Human resources and industrial relations management</i> - André TOUSSAINT - [8h AUTR]	-	-	[+]	2
RSTG0002-1	<i>Training</i> - N...	-	-	-	4

Period 5

### Compulsory courses

#### Technology of food industries

BIAA0003-3	<i>Food and agro-food engineering, 3rd part</i> - François BERA	2	22	-	2
ALIM0008-1	<i>Technology of food industries</i> - Sabine DANTHINE - [4h FT]	24	20	[+]	4

#### Microbial biochemistry and immunology

ALIM0001-1	<i>Food hygiene</i> - Marc CULOT, Daniel PORTETELLE - Suppl : Daniel PORTETELLE, Marianne SINDIC	18	6	-	2
ANIM0003-1	<i>Immunology, immunochemistry</i> - Daniel PORTETELLE	12	12	-	2
ANIM0004-1	<i>Microbial biochemistry and physiology</i> - Daniel PORTETELLE	14	10	-	2

## Second Year

### Compulsory courses

ALIM0008-1	<i>Technology of food industries</i> - Sabine DANTHINE - [4h FT]	24	20	[+]	4
ANIM0008-1	<i>Animal cell culture</i> - Daniel PORTETELLE - [4h FT]	12	8	[+]	2
BIOI0001-1	<i>Industrial microbiology</i> - Philippe THONART	24	-	-	2

BIOI0002-2	<i>Fermentation and extraction factories, 2nd part</i> - Philippe THONART	24	24	-	4
CHIM9250-1	<i>Advanced analytical chemistry</i> - Georges LOGNAY - [6h SEM]	-	18	[+]	2
CHIM9251-1	<i>Current questions in organic and biological chemistry</i> - Jean-Paul WATHELET - [14h SEM]	-	10	[+]	2
GERE0013-1	<i>Metrology</i> - Marie-France DESTAIN	14	10	-	2
LANG0907-1	<i>English language : scientific communication</i> - Sophie DEPOTERRE, Marie-Anne DUFFELER	36	-	-	3
PROJ0002-4	<i>Interdisciplinary project, 2nd part</i> - COLLÉGIALITÉ	72	-	-	6
RTFE0002-1	<i>Final dissertation</i> - N...	-	-	-	27
VEGE0001-1	<i>Plant protection products bases</i> - Bruno SCHIFFERS	24	-	-	2
[...]	2 courses from "Liste Chimie et bioindustries", carrying a value of 2 ECTS				
<b>List : Chemistry and bioindustries</b>					
ANIM0009-1	<i>Immunobiology</i> - Daniel PORTETELLE	10	14	-	2
BIOL2014-1	<i>Complements of comparative animal anatomy and physiology</i> - Robert RENAUVILLE	24	-	-	2
ANIM0005-1	<i>Biochemistry of the metabolisms in the domestic animals</i> - Robert RENAUVILLE	24	-	-	2
ANIM0010-1	<i>Physiology of the domestic animals</i> - Robert RENAUVILLE	24	-	-	2
ENVT2043-1	(pas organisé en 2010-2011) <i>Elements of human and economic geography</i>	24	-	-	2
GEAT0003-1	<i>Land-use policy in rural areas</i> - Claude FELTZ - [12h SEM]	12	-	[+]	2
GEAT0002-1	<i>Economic geography elements</i>	24	-	-	2
ENVT2052-1	<i>The environmental effects of projects and plans</i> - Jan BOGAERT - [6h SEM]	18	-	[+]	2
VEGE0008-1	<i>Applied Plant Physiology and Biochemistry</i> - Patrick DU JARDIN - [6h SEM]	18	-	[+]	2
VEGE0004-1	<i>Molecular Plant Biotechnology</i> - Patrick DU JARDIN - [4h SEM]	20	-	[+]	2
CHIM9252-1	<i>Applications of analytical chemistry</i> - Georges LOGNAY	4	20	-	2
VEGE0010-1	<i>Safe and effective use of pesticides and residues control</i> - Bruno SCHIFFERS	14	10	-	2
BIOD0002-1	<i>Plant geography and phytosociology</i> - Grégory MAHY	12	12	-	2
BIOD0001-1	<i>Biodiversity survey and management, 1st part</i> - Arnaud MONTY - [6h SEM]	18	-	[+]	2
BIOD0001-2	<i>Biodiversity survey and management, 2nd part</i> - Jean-Philippe BIZOUX	6	18	-	2
BIOD0004-1	<i>Ecology applied to open communities</i> - Grégory MAHY - [12h FT]	12	-	[+]	2
ECON2250-1	<i>International economics</i> - Philippe LEBAILLY	24	-	-	2
GEST3019-1	<i>Food Policy and Strategy</i> - Philippe LEBAILLY	24	-	-	2
ECON2251-2	<i>Food and agro-industrial Chain Economy</i> - Brigitte DUQUESNE, Philippe LEBAILLY	-	-	-	2
ECON2253-1	<i>Economics of development Seminar</i> - Philippe LEBAILLY - [24h SEM]	-	-	[+]	2
GEST3021-1	<i>Farm Business Management</i> - Thomas DOGOT	-	24	-	2
CHIM9249-1	<i>Microbial ecology of soil and water</i> - Marc CULOT - Suppl : Thierry FIEVEZ	18	6	-	2
VEGE0002-1	<i>Applied zoology</i> - Eric HAUBRUGE - Suppl : Frédéric FRANCIS - [9h SEM]	15	-	[+]	2
VEGE0021-1	<i>Limnology</i> - Frédéric FRANCIS - [4h SEM]	10	10	[+]	2
FORE0017-1	<i>Aquaculture</i> - Eric HAUBRUGE - [20h SEM, 4h FT]	-	-	[+]	2
VEGE0014-1	<i>Integrated pest management</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN - [24h SEM]	-	-	[+]	23
VEGE0015-1	<i>Applied Entomology</i> - Eric HAUBRUGE	12	12	-	2
FORE0022-2	<i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS - [5h FT]	19	-	[+]	2
FORE0019-1	<i>Forestry of dry tropical regions</i> - Jean-Louis DOUCET	24	-	-	2
FORE0014-1	<i>Tropical agroforestry</i> - Jean-Louis DOUCET	24	-	-	2
FORE0003-1	<i>Participatory management of natural environments</i> - Cédric VERMEULEN - [20h SEM]	4	-	[+]	2
FORE0007-1	(pas organisé en 2010-2011) <i>Genetic improvement of forest trees</i> - [6h FT]	18	-	[+]	2
FORE0020-1	(pas organisé en 2010-2011) <i>Introduction to forest mensuration</i> - [2h FT]	14	8	[+]	2
FORE0013-1	<i>Natural resources inventory methods</i> - Philippe LEJEUNE - [2h SEM]	8	14	[+]	2
FORE0001-2	<i>Forests and forest ecosystems</i> - N... - Suppl : Hugues CLAESSENS, Jean-Louis DOUCET	24	-	-	2
ENVT2050-1	<i>Applied remote sensing</i> - Philippe LEJEUNE	12	12	-	2
FORE0015-1	<i>Forest harvesting</i> - Philippe LEJEUNE	22	2	-	2
ENVT2048-1	<i>Introduction to geomatics</i> - Philippe LEJEUNE	8	16	-	2
FORE0021-1	<i>Forest species of temperate regions</i> - Hugues CLAESSENS	24	-	-	2
FORE0022-2	<i>Ecological foundations of the silviculture</i> - Hugues CLAESSENS - [5h FT]	19	-	[+]	2
FORE0023-1	(pas organisé en 2010-2011) <i>Silviculture</i>	6	18	-	2
FORE0018-1	<i>Management of large fauna in temperate climate</i> - Cédric VERMEULEN - [10h SEM]	14	-	[+]	2
ANIM0002-1	<i>Animal Breeding</i> - Nicolas GENGLER - [3h SEM, 4h FT]	10	7	[+]	2
GEOP0004-1	<i>Geomorphopedological identification</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
AGRO0011-1	<i>Pedology of tropical and subtropical environments</i> - Laurent BOCK - [12h FT]	12	-	[+]	2
GEOP0005-1	<i>Applied regional geomorphopedology</i> - Laurent BOCK - [18h FT]	6	-	[+]	2
GEOP0003-1	<i>Pedogenesis and international system of reference</i> - Laurent BOCK	24	-	-	2
GEOP0006-1	<i>Soil quality evaluation and management</i> - Gilles COLINET - [6h FT]	18	-	[+]	2

HYDR0001-1	<i>General Hydrology - N...</i> - Suppl : Aurore DEGRE	24	-	-	2
HYDR0002-1	<i>Water flow in soils - N...</i> - Suppl : Aurore DEGRE	24	-	-	2
HYDR0003-1	<i>Applied hydrology - N...</i> - Suppl : Aurore DEGRE	-	24	-	2
HYDR0006-4	<i>Modelling of transfers in soils</i>				2
	- <i>1st part - N...</i> - Suppl : Aurore DEGRE	12	12	-	
	- <i>2nd part - N...</i> - Suppl : Aurore DEGRE	12	12	-	
FORE0016-1	<i>Wood-based products</i> - Jacques HEBERT - [6h FT]	18	-	[+]	2
FORE0012-1	<i>Forest products supply chain</i> - Jacques HEBERT - [4h SEM]	12	8	[+]	2
HORT0010-1	<i>Horticulture and environmental requirements</i> - Monique BODSON - [12h SEM]	12	-	[+]	2
HORT0002-1	<i>Horticulture production systems</i> - Monique BODSON - [9h FT]	15	-	[+]	2
HORT0001-1	<i>Principles of horticultural science</i> - Monique BODSON	24	-	-	2
HORT0006-1	<i>Horticultural Systematic</i> - Monique BODSON - [4h SEM]	10	10	[+]	2
HORT0011-1	<i>Analysis of the network of operators in the horticulture industry</i> - Monique BODSON - [8h FT]	12	4	[+]	2
HORT0003-1	<i>Managing tree growth and development : principles of arboriculture</i> - Monique BODSON	18	6	-	2
HORT0004-1	<i>Physiology of plant reproduction and propagation</i> - Monique BODSON	24	-	-	2
HORT0007-1	<i>Post harvest physiology</i> - Monique BODSON	24	-	-	2
FORE0024-1	<i>Wood anatomy and identification</i> - Benoît JOUREZ	12	12	-	2
GERE0002-1	<i>Agricultural equipment</i> - Marie-France DESTAIN - [3h FT]	21	-	[+]	2
HYDR0010-1	<i>Open channel hydraulics</i> - Charles DEBOUCHE	10	14	-	2
ENVT2045-1	<i>Surveying</i> - Charles DEBOUCHE	15	9	-	2
ENVT3010-1	<i>Surveying (complement)</i> - Charles DEBOUCHE	8	16	-	2
ENVT2049-1	<i>Introduction to environmental assessment</i> - Charles DEBOUCHE	24	-	-	2
HYDR0008-1	<i>Hydraulic pump and network</i> - Charles DEBOUCHE	10	14	-	2
HORT0009-1	<i>Horticultural production method and equipment</i> - Hugo MAGEIN - [3h FT]	21	-	[+]	2
AGRO0005-1	<i>Basis of tropical agriculture, first part</i> - Guy MERGEAI - [2h SEM]	22	-	[+]	2
AGRO0012-2	<i>Special tropical crop husbandry, second part</i> - Jean-Pierre BAUDOIN - [12h SEM]	12	-	[+]	2
VEGE0005-1	<i>General plant breeding</i> - Jean-Pierre BAUDOIN - [6h SEM]	18	-	[+]	2
VEGE0003-1	(pas organisé en 2010-2011) <i>Plant genetic resources</i> - Jean-Pierre BAUDOIN - [2h SEM, 8h FT]	14	-	[+]	2
PHYS3009-1	<i>Exchange Models in biosystems</i> - Marc AUBINET	16	8	-	2
GERE0007-1	<i>Digital electronics, first part</i> - Bernard HEINESCH	6	18	-	2
GERE0007-2	(pas organisé en 2010-2011) <i>Digital electronics, second part</i> - Bernard HEINESCH	6	18	-	2
PHYS3010-1	<i>Introduction to Bioclimatology</i> - Marc AUBINET	18	6	-	2
VEGE0007-1	<i>Bases of phytopathology</i> - Philippe LEPOIVRE - [8h SEM]	12	4	[+]	2
HORT0008-1	<i>Decision - making in crop protection, part : phytopathology</i> - Philippe LEPOIVRE - [19h SEM]	5	-	[+]	2
VEGE0006-1	<i>Integrated control of plant pathogens</i> - Philippe LEPOIVRE - [5h SEM, 4h FT]	10	5	[+]	2
VEGE0016-1	<i>Integrated control of plant pathogens</i> - Haissam JIJAKLI - [6h SEM]	18	-	[+]	2
AGRO0002-1	<i>Fertilizers and soil amendments</i> - Jean-Pierre DESTAIN	24	-	-	2
AGRO0007-1	<i>Practical aspects of agriculture in temperate regions</i> - Bernard BODSON - [18h FT]	6	-	[+]	2
AGRO0009-1	<i>Modelling of crop development</i> - Bernard BODSON	24	-	-	2
AGRO0006-1	<i>Malherbology and weeds control</i> - Bernard BODSON	21	3	-	2
VEGE0011-1	<i>Application techniques for products to treat crops</i> - Bernard BODSON, Marie-France DESTAIN, Bruno SCHIFFERS - [3h FT]	21	-	[+]	2
VEGE0012-1	<i>Pesticide formulation and packaging</i> - Bruno SCHIFFERS - [3h SEM, 6h FT]	15	-	[+]	2
STAT1213-1	<i>Elements of multivariate statistical methods</i> - Rodolphe PALM	12	12	-	2
STAT1218-1	<i>Statistical methods for economics</i> - Rodolphe PALM	12	12	-	2
ALIM0009-1	<i>Dairy science</i> - Marianne SINDIC - [3h FT]	12	9	[+]	2
BIAA0002-1	<i>Agro-food industry</i> - Marianne SINDIC	24	-	-	2
HORT0012-1	<i>Marketing of horticultural products</i> - André TOUSSAINT - [6h SEM]	18	-	[+]	2
GERE0009-1	(pas organisé en 2010-2011) <i>Earth moving and roads</i> - [6h SEM]	18	-	[+]	2
HYDR0004-1	<i>Irrigation</i> - Dimitri XANTHOULIS	24	-	-	2
SPRA0001-1	<i>Animal production</i> - André THEWIS	24	-	-	2
ANIM0006-2	<i>Animal production in temperate areas, simple stomach animals and poultry</i> - André THEWIS - [8h FT]	16	-	[+]	2
AGRO0004-1	<i>Agro-pastoralism and forage productions, part 1</i> - Jérôme BINDELLE	24	-	-	2
AGRO0004-2	<i>Agro-pastoralism and forage productions, part 2</i> - Jérôme BINDELLE - [8h FT]	8	8	[+]	2
ANIM0011-1	<i>Animal welfare and ethics in production and experimentation</i> - Daniel PORTETELLE, André THEWIS	12	12	-	2
SOCI2234-1	<i>General and rural sociology</i> - Daniel BODSON	24	-	-	2

ENVT2051-1	<i>Applied geomatics</i> - Philippe LEJEUNE	8	16	-	2
VEGE0013-1	<i>European regulation and ecotoxicology</i> - Thierry NUYTTE	24	-	-	2
DROI0970-1	<i>Law of physical planning</i> - Mustafa BOLCA	24	-	-	2
DROI0969-1	<i>Forestry law</i> - Grégoire ORBAN DE XIVRY	24	-	-	2
ENVT2053-1	<i>Waste management</i> - Luc MINNE - [3h FT]	21	-	[+]	2
ENVT2054-1	<i>Renewable energies</i> - Yves SCHENKEL - [4h FT]	20	-	[+]	2
ECON2246-1	<i>Economics of developing countries</i> - Baudouin MICHEL - [16h SEM]	8	-	[+]	2
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	2
VEGE0017-1	<i>Applied phytopathology</i> - Philippe LEPOIVRE	4	20	-	2
DROI0967-1	<i>Rural law</i> - Gaëtan GOISSE	24	-	-	2
VEGE0018-1	<i>Special crop protection, malherbology</i> - Bernard BODSON - [4h SEM, 4h FT]	16	-	[+]	2
VEGE0018-2	<i>Special crop protection, zoology</i> - Eric HAUBRUGE - Suppl : François VERHEGGEN	24	-	-	2
VEGE0018-3	<i>Special crop protection, phytopathology</i> - Philippe LEPOIVRE - [10h SEM, 14h FT]	-	-	[+]	2
VEGE0009-1	<i>Plant biotechnology : practical courses</i> - Marie-Laure FAUCONNIER	-	24	-	2
GEST3022-1	<i>Operations research for economics</i>	16	8	-	2
ECON2254-1	<i>Tropicals markets</i> - Baudouin MICHEL	12	12	-	2
ECON2247-1	<i>Agricultural policy</i> - Philippe BURNY - [6h SEM]	12	6	[+]	2
ECON2248-1	<i>Environmental economy</i> - Philippe LEBAILLY	24	-	-	2
ECON2245-1	<i>Agricultural economics</i> - Philippe BURNY	12	12	-	2
ANIM0012-1	<i>Animal pathology and hygiene</i> - Thierry VAN DEN BERG	24	-	-	2
BIOL2023-1	<i>Bio-informatics , Methods for the analysis of genomic sequences</i> - Laurence LINS	24	-	-	2
GERE0014-1	<i>Design of agro-industrial infrastructures and environmental incidences</i> - Joseph FLABA - [6h FT]	18	-	[+]	2
GBLX0003-1	<i>Biosafety and Ethics of Biotechnology</i> - Patrick DU JARDIN - [18h SEM]	6	-	[+]	2
GBLX0004-1	(pas organisé en 2010-2011) <i>Applied analytical chemistry</i>	-	24	-	2
GBLX0054-1	(pas organisé en 2010-2011) <i>Processes of biorefinery and white biotechnology</i> - Michel PAQUOT - [6h SEM, 8h FT]	4	6	[+]	2
GBLX0055-1	(pas organisé en 2010-2011) <i>Biological control of insect pests</i>	9	15	-	2
AGRO0013-1	(pas organisé en 2010-2011) <i>Pedology of forest environment</i> - [12h FT]	12	-	[+]	2
HYDR0011-1	(pas organisé en 2010-2011) <i>Ecohydrology</i> - [6h FT]	12	6	[+]	2
GBLX0056-1	(pas organisé en 2010-2011) <i>Marketing and consumer market research</i>	24	-	-	2
GBLX0057-1	(pas organisé en 2010-2011) <i>Mathematical methods in decision making</i>	12	12	-	2
GBLX0059-1	<i>Logistics in food industry</i> - Marianne SINDIC - [9h SEM, 6h FT]	9	-	[+]	2
GBLX0058-1	<i>Complements of food formulations engineering and sensory analysis</i> - Christophe BLECKER - [4h SEM]	12	8	[+]	2
GBLX0060-1	(pas organisé en 2010-2011) <i>Drinking water production</i> - [4h SEM]	14	6	[+]	2
INGE0006-1	<i>Systems Dynamics</i> - Marie-France DESTAIN	14	10	-	2