

A single year

Compulsory courses

STFE2000-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	28
BIOC2000-1	<i>Industrial processes of purification</i> - Jacqueline DESTAIN, Philippe THONART	13	-	-	2

Optional courses

Choose one option from the following :

Option Applied Biology

Prerequisite IMMU0521-2 Immunologie
BIOC0001-2 Génétique, biologie moléculaire et chimie des macromolécules

Microbiology

MICR0711-1	<i>Microbiology</i> - <i>Partim 1 : Algology and mycology</i> - Vincent DEMOULIN - Suppl : Anne GOFFART, Olivier GUILLITTE - <i>Partim 2 : Bacteriology</i> - Bernard JORIS - <i>Partim 3 : Virology</i> - Jacques PIETTE	20	10	-	6
CHIM0059-5	<i>Industrial Microbiology</i> - Philippe THONART, Philippe THONART	15	15	-	2

Genetic engineering

GENE2000-1	<i>Genetic engineering of bacteria</i> - Alain BRANS	15	-	-	2
GENE2001-1	<i>Genetic engineering of yeast</i> - Véronique GILLIQUET	10	-	-	2
GENE2002-1	<i>Genetic engineering of animal cells</i> - Joseph MARTIAL	15	-	-	2
GENE2003-1	<i>Plant genetic engineering</i> - Jacques DOMMES	15	-	-	2
GENE2004-1	<i>Practical course in genetic engineering</i> - Joseph MARTIAL, Claire REMACLE	-	40	-	2

Pharmacology, Vaccinology and Diagnosis

PHAC2000-1	<i>Molecular Pharmacology</i> - Jean CLOSSET	12	-	-	2
BIOC2001-1	<i>Biomolecular techniques applied to diagnosis</i> - Jacques PONCIN	16	-	-	2
VETE0046-2	<i>General vaccinology and vaccinology applied to veterinary medicine, general immunopathology</i> - Alain VANDERPLASSCHEN	15	-	-	2

Choose one of the following courses :

DROI0174-2	<i>Commercial law</i> - Nicolas THIRION	45	-	-	6
GEST0089-1	<i>General Accountancy</i> - Wilfried NIESSEN, Marc RENOUPEZ	60	15	-	6
GEST0232-1	<i>Marketing principles</i> - Jean TONDEUR	45	-	-	6

Option Biotechnologies Management

Prerequisite BIOC0001-2 Génétique, biologie moléculaire et chimie des macromolécules
IMMU0521-2 Immunologie
MICR0711-2 Microbiologie

Law and Economy

DROI0174-2	<i>Commercial law</i> - Nicolas THIRION	45	-	-	6
GEST0089-1	<i>General Accountancy</i> - Wilfried NIESSEN, Marc RENOUPEZ	60	15	-	6
GEST0232-1	<i>Marketing principles</i> - Jean TONDEUR	45	-	-	6

Choose courses totalling 12 ECTS from the following :

CHIM0059-5	<i>Industrial Microbiology</i> - Philippe THONART, Philippe THONART	15	15	-	2
GENE2000-1	<i>Genetic engineering of bacteria</i> - Alain BRANS	15	-	-	2
GENE2001-1	<i>Genetic engineering of yeast</i> - Véronique GILLIQUET	10	-	-	2
GENE2002-1	<i>Genetic engineering of animal cells</i> - Joseph MARTIAL	15	-	-	2
GENE2003-1	<i>Plant genetic engineering</i> - Jacques DOMMES	15	-	-	2
PHAC2000-1	<i>Molecular Pharmacology</i> - Jean CLOSSET	12	-	-	2
GEST0832-2	<i>Financial Markets</i> - Georges HÜBNER, Danielle SOUGNÉ	30	-	-	5
GEST0312-1	<i>Management Principles</i> - Annie CORNET	30	-	-	4

GEST0079-2	<i>Analysis of Financial Reports</i> - Jacques BERWART	45	-	-	5
LOGI0011-1	<i>Supply Chain Management (english)</i> - Yasemin ARDA	45	-	-	5
GRHO0001-1	<i>Human Resource Management and Industrial Relations</i> - François PICHULT	30	-	-	4
GEST0233-1	<i>Marketing: Concepts and Decision Making (english)</i> - Charles PAHUD DE MORTANGES - Suppl : Céline BRANDT	45	-	-	4
FINA0008-1	<i>Performance Management</i> - Didier VAN CAILLIE	24	-	-	4
GEST0006-1	<i>Introduction to entrepreneurship</i> - Bernard SURLEMONT	30	-	-	4
GENE2004-1	<i>Practical course in genetic engineering</i> - Joseph MARTIAL, Claire REMACLE	-	40	-	2

Option Biotechnology

Biotechnology

HULG0081-1	<i>Molecular Genetics</i> - Micheline VANDENBOL	15	15	-	3
BIOI0002-1	<i>Fermentation and extraction factories, 1st part</i> - Philippe THONART	24	24	-	4
HULG0079-1	<i>Molecular Biotechnology</i> - Richard KETTMANN	24	-	-	3
VEGE0006-1	<i>Integrated control of plant pathogens</i> - Philippe LEPOIVRE - [5h SEM, 4h FT]	10	5	[+]	2

Chemistry, Biology

ANIM0003-1	<i>Immunology, immunochemistry</i> - Daniel PORTETELLE	12	12	-	2
HULG0093-1	<i>Analysis and synthesis techniques of macromolecules (biochemistry and immunology)</i> - Daniel PORTETELLE	24	-	-	2
HULG2128-1	<i>Techniques for analysis of natural macromolecules</i> - Magali DELEU	22	-	-	2

Economy, management

GEST3016-1	<i>Management</i> - Philippe LEBAILLY	24	-	-	2
HULG0078-1	<i>Biotechnology valorisation</i> - Jean-Michel RONSSSE	15	-	-	2
HULG0149-1	<i>Office</i> - Jean-Jacques CLAUSTRIAUX	15	-	-	2

Choose one module from :

Animal Biotechnology

HULG0087-1	<i>Molecular Endocrinology</i> - Robert RENAVILLE	15	-	-	2
HULG0088-1	<i>In vitro cultures techniques (animal cells)</i> - Daniel PORTETELLE	15	-	-	2
HULG0086-1	<i>Genetic modification of animal cells</i> - Luc WILLEMS	15	-	-	2

Plant Biotechnology

GBLX0061-1	<i>Genetic modification of plant cells</i> - Patrick DU JARDIN	15	-	-	2
HULG0091-1	<i>In vitro cultivation techniques (plants)</i> - Philippe LEPOIVRE	15	-	-	2
HULG0090-1	<i>Molecular basis of plant hormones action</i> - Bernard WATILLON	15	-	-	2

Industrial microbiology

BIOT0001-1	<i>Microbial and enzymatic technologies</i> - Philippe THONART	30	-	-	4
BIOL2001-1	<i>Specific traits of biochemical engineering applied to industrial biology</i> - Philippe THONART	7	-	-	1
HULG0092-1	<i>Special aspects of physico-chemistry applied to industrial microbiology</i> - Michel PAQUOT	8	-	-	1