

A single year

Courses in Applied Biology and Biotechnology Management will take place at Liège, and those for the Biotechnology option will take place at Gembloux. For all information, contact:

* at the Faculty of Sciences, Prof. Philippe Thonart - P.Thonart@ulg.ac.be

Compulsory courses

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

Optional courses

Choose one option from the following :

Option Applied Biology (ULg)

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

Microbiology

MICR0711-1	<i>Microbiology</i>				6
	- <i>Part 1 : Algology and mycology - Denis BAURAIN</i>	20	10	-	
	- <i>Part 2 : Bacteriology - Bernard JORIS</i>	20	10	-	
	- <i>Part 3 : Virology - Jacques PIETTE</i>	20	10	-	
CHIM0059-5	<i>Industrial Microbiology - Philippe THONART</i>	15	15	-	2

Genetic engineering

GENE2000-1	<i>Genetic engineering of bacteria - Alain BRANS</i>	15	-	-	2
GENE2001-1	<i>Genetic engineering of yeast - Véronique GILLIQUET</i>	10	-	-	2
GENE2002-1	<i>Genetic engineering of animal cells - N... - Suppl : Marc MULLER</i>	15	-	-	2
GENE2003-1	<i>Plant genetic engineering - Jacques DOMMES</i>	15	-	-	2
GENE2004-1	<i>Practical course in genetic engineering - Claire REMACLE, Ingrid STRUMAN</i>	-	40	-	2

Pharmacology, Vaccinology and Diagnosis

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

Choose one of the following courses :

DROI0174-2	<i>Commercial law - Frédéric DAERDEN, Laurent STAS DE RICHELLE</i>	45	-	-	6
FINA0067-1	<i>Finance and Accounting - Wilfried NIESSEN, Marc RENOUPEZ</i>	60	25	-	6
GEST0232-5	<i>Marketing principles - Chantal DE MOERLOOSE</i>	50	-	-	6

Option : Biotechnologies Management (ULg)

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

Law and Economy

DROI0174-2	<i>Commercial law - Frédéric DAERDEN, Laurent STAS DE RICHELLE</i>	45	-	-	6
FINA0067-1	<i>Finance and Accounting - Wilfried NIESSEN, Marc RENOUPEZ</i>	60	25	-	6
GEST0232-5	<i>Marketing principles - Chantal DE MOERLOOSE</i>	50	-	-	6

Choose courses totalling 12 ECTS from the following :

CHIM0059-5	<i>Industrial Microbiology - Philippe THONART</i>	15	15	-	2
GENE2000-1	<i>Genetic engineering of bacteria - Alain BRANS</i>	15	-	-	2
GENE2001-1	<i>Genetic engineering of yeast - Véronique GILLIQUET</i>	10	-	-	2
GENE2002-1	<i>Genetic engineering of animal cells - N... - Suppl : Marc MULLER</i>	15	-	-	2
GENE2003-1	<i>Plant genetic engineering - Jacques DOMMES</i>	15	-	-	2
PHAC2000-1	<i>Molecular Pharmacology - Jean CLOSSET</i>	12	-	-	2
GEST0832-4	<i>Financial Markets - Georges HÜBNER, Danielle SOUGNÉ</i>	40	15	-	6

GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	24	-	-	4
FINA0001-1	<i>Financial Statement Analysis</i> - Jacques BERWART	30	-	-	5
LOGI0011-1	<i>Supply Chain Management</i> (english language) - Sabine LIMBOURG	45	-	-	5
GRHO0001-1	<i>Human Resource Management and Industrial Relations</i> - François PICHAULT	30	-	-	4
GEST0233-1	<i>Marketing : Concepts and Decision Making</i> (english language) - Céline BRANDT	45	-	-	4
FINA0008-2	<i>Global Performance Management</i> (english language) - Didier VAN CAILLIE	30	-	-	4
GEST0006-1	<i>Introduction to entrepreneurship</i> - Bernard SURLEMONT	30	-	-	4
GENE2004-1	<i>Practical course in genetic engineering</i> - Claire REMACLE, Ingrid STRUMAN	-	40	-	2

Option : Biotechnology (GxABT)

Biotechnology

CHIB0001-1	<i>Molecular genetics</i> - Micheline VANDENBOL	15	15	-	3
BIOI0002-1	<i>Fermentation and extraction factories, 1st part</i> - Philippe THONART	24	24	-	4
CHIB0002-1	<i>Molecular biotechnology</i> - Jean-Claude TWIZERE	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
CHIB0003-1	<i>Analysis and synthesis techniques of macromolecules (biochemistry and immunology)</i> - Daniel PORTETELLE	24	-	-	2
CHIB0004-1	<i>Analysis techniques of natural macromolecules</i> - Magali DELEU	24	-	-	2

Economy, management

GEST3016-1	<i>Management</i> - Philippe LEBAILLY	24	-	-	2
AGRO0017-1	<i>Biotechnology valorisation</i> - Jean-Michel RONSSSE	15	-	-	2
AGRO0018-1	<i>Office automation</i> - Jean-Jacques CLAUSTRIAUX	15	-	-	2

Choose one module from :

Animal Biotechnology

CHIB0005-1	<i>Molecular endocrinology</i> - Robert RENAVILLE	15	-	-	2
CHIB0006-1	<i>In vitro culture techniques (animal cells)</i> - Daniel PORTETELLE	15	-	-	2
CHIB0007-1	<i>Genetic modifications of animal cells</i> - Luc WILLEMS	15	-	-	2

Plant Biotechnology

VEGE0022-1	<i>Genetic modifications of plant cells</i> - Patrick DU JARDIN	15	-	-	2
AGRO0019-1	<i>In vitro culture techniques (plants)</i> - Philippe LEPOIVRE	15	-	-	2
CHIB0008-1	<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
CHIB0009-1	<i>Special issues of physical chemistry applied to industrial microbiology</i> - Michel PAQUOT	8	-	-	1