

Access conditions to the Master (http://www.ulg.ac.be/cms/c_274707/masters-bioingenieur-4-grades)

First Year

Period 1

Compulsory courses

Ecology applied to natural resources management

BIOD0001-1	<i>Biodiversity survey and management, 1st part</i> - Arnaud MONTY - [6h SEM]	18	-	[+]	2
BIOD0002-1	<i>Plant geography and phytosociology</i> - Grégory MAHY	12	12	-	2
BIOD0006-1	<i>Applied population ecology</i> - Jean-Philippe BIZOUX	14	10	-	2

Corporate and projects management

GEST3028-2	<i>Accounting and management</i> - Philippe LEBAILLY	24	24	-	4
GEST3020-1	<i>Conceiving and economic assessment of project</i> - Baudouin MICHEL - [12h SEM]	12	-	[+]	2

Period 2

Compulsory courses

Quantification of forest resources

FORE0004-3	<i>Forest mensuration and forest inventory</i> - Yves BROSTAUX - [4h AUTR]	20	24	[+]	4
PAYS0007-1	<i>Introduction to landscape analysis and modeling</i> - Jan BOGAERT	12	-	-	2

Geomatics applied to environmental management

ENVT2048-1	<i>Introduction to geomatics</i> - Philippe LEJEUNE	8	16	-	2
ENVT2050-1	<i>Applied remote sensing</i> - Philippe LEJEUNE	12	12	-	2
ENVT2051-1	<i>Geomatics applied natural resource management</i> - Philippe LEJEUNE	8	16	-	2

Wood

ECON2248-1	<i>Environmental economy</i> - Kevin MARÉCHAL	24	-	-	2
FORE0010-1	<i>Wood science</i> - Jacques HEBERT - [2h SEM, 2h FT]	24	20	[+]	4

Period 3

Compulsory courses

Environmental economy

DROI0969-1	<i>Forestry law</i> - Grégoire ORBAN DE XIVRY	24	-	-	2
ECON2255-4	<i>Forest and natural resources economics</i> - Jacques HEBERT	12	12	-	2
FORE0012-1	<i>Forest products supply chain</i> - Jacques HEBERT - [4h SEM]	12	8	[+]	2

Bases of forest management

FORE0009-1	<i>Sustainable management of tropical forests</i> - Jean-Louis DOUCET	36	-	-	3
FORE0005-2	<i>Multifunctional management of forests</i> - Philippe LEJEUNE	36	-	-	3

Period 4

Compulsory courses

Placement

MANA0001-1	<i>Human resources and industrial relations management</i> - Philippe LEPOIVRE - [8h AUTR]	-	-	[+]	2
RSTG0004-1	<i>Training</i> - Hugues CLAESSENS	-	-	-	4

Period 5

Compulsory courses

Silviculture

FORE0008-2	<i>Site analysis and valuation</i> - Hugues CLAESSENS	14	22	-	3
FORE0025-1	<i>Forestry scenarios</i> - Hugues CLAESSENS - [18h AUTR]	14	4	[+]	3

Management of natural ecosystems and landscapes

FORE0018-3	<i>Management of large fauna in temperate climate</i> - Alain LICOPPE	16	8	-	2
PAYS0001-2	<i>Integrated management of landscape</i> - Grégory MAHY	-	24	-	2
FORE0003-2	<i>Participatory management of natural environments</i> - Cédric VERMEULEN - [6h AUTR]	8	10	[+]	2

Second year

Optional courses

Choose one option from the following :

"Management of forests and natural areas" courses programme (in GxABT)

Period 1

Project

FORE0028-1 *Management of forests and natural areas* - COLLÉGIALITÉ - [72h AUTR] - - [+] **6**

Choose two modules from :

Landscape, ecosystems, biodiversity

PAYS0008-1 *Landscape analysis and modelling techniques* - Jan BOGAERT 12 - - **2**
PAYS0009-1 *Ecological restoration* - Grégory MAHY - [12h AUTR] 24 - [+] **4**

Forest health

FORE0029-1 *Forest management in health crisis* - Laurence DELAHAYE - [12h AUTR] 12 - [+] **2**
FORE0030-1 *Forest phytopathology* - Haissam JIJAKLI - [3h AUTR] 18 3 [+] **2**
FORE0031-1 *Forest entomology* - Frédéric FRANCIS - [6h AUTR] 15 3 [+] **2**

Integrated management of wildlife

RAVT0003-1 *Economic optimisation of wildlife areas* - Cédric VERMEULEN 12 12 - **2**
RAVT0001-1 *Wildlife population inventory and modelling techniques* - Philippe LEJEUNE 12 12 - **2**
RAVT0002-1 *Eco-ethology and wildlife conservation* - Marie-Claude HUYNEN, Pascal PONCIN - [12h AUTR] 12 - [+] **2**

Wood development

FORE0015-2 *Forest harvesting* - Philippe LEJEUNE 14 - - **2**
FORE0011-1 *Wood industry* - Jacques HEBERT - [6h Internship] 18 - [+] **2**
FORE0016-2 *Wood-based products* - Benoît JOUREZ - [12h FT] 12 - [+] **2**

Period 2

Choose two modules from :

Applied silviculture

FORE0032-1 *Forestry itineraries* - Hugues CLAESSENS - [12h AUTR] 24 12 [+] **4**
FORE0033-1 *Forest genetic resources management* - Jean-Louis DOUCET - [6h AUTR] 18 - [+] **2**

Aquatic environments management

GESA0001-2 *Chemical and physico-chemical analysis of waters* - Jean-Paul BARTHELEMY 8 16 - **2**
FORE0017-1 *Fish care management in watercourses* - Frédéric FRANCIS - [4h AUTR] 20 - [+] **2**
VEGE0021-1 *Limnology* - Frédéric FRANCIS - [4h SEM] 10 10 [+] **2**

Tropical forestry

FORE0034-1 *Tropical forest update* - Jean-Louis DOUCET 24 - - **2**
FORE0014-1 *Tropical agroforestry* - Jean-Louis DOUCET 24 - - **2**
FORE0035-1 *Applied tropical botany* - Jean-Louis DOUCET - [6h AUTR] 14 4 [+] **2**

Environmental impact and land management

GEAT0003-1 *Introduction to land planning* - Jacques TELLER 24 - - **2**
ENVT2049-2 *Introduction to environmental assessment* - Charles DEBOUCHE 12 - - **2**
ENVT2052-1 *The environmental effects of projects and plans* - Catherine DUBOIS - [6h SEM] 18 - [+] **2**

Management courses programme (in HEC-ULg)

GEST3001-1 *People management and organisation* - Jocelyne ROBERT 24 24 - **4**
GEST3002-1 *Human Resources* - Jocelyne ROBERT 24 - - **2**
GEST3003-1 *Competitive strategy in the marketplace* (english language) - Michael GHILISSEN 16 16 - **3**

GEST3004-1	<i>Marketing (operations and management)</i> (english language) - Michael GHILISSEN	16	16	-	3
GEST3005-2	<i>Accountancy and Finance</i> - Jacques BERWART	24	24	-	4
GEST3006-1	<i>Operations and supply chain management I</i> - Yasemin ARDA	16	16	-	3
GSTG3001-1	<i>Business plan</i> - COLLÉGIALITÉ	-	30	-	4
GSTG3002-1	<i>Functional analysis of a company</i> - COLLÉGIALITÉ - [30h Internship]	-	-	[+]	4

Choose one of the following courses :

GEST3010-1	<i>Operations and supply chain management II</i> - Sabine LIMBOURG	16	16	-	3
GEST3011-2	<i>ICT for Business</i> - Alain DUBOIS	16	16	-	3
GEST3012-1	<i>Financial and actuarial modelling</i> - Louis ESCH	16	16	-	3

Compulsory courses

Period 3

Dissertation

RTFE0002-1	<i>Final dissertation</i> - N...	-	-	-	27
LANG0907-2	<i>English language : scientific communication</i> - andréas CHAUMOND, Marie-Anne DUFFELER	-	36	-	3