

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

First Year

First semester

Period 1

Compulsory courses

GFEN1.11 Ecology applied to natural resources management

BIOD0001-3 *Biodiversity survey and management* - Arnaud MONTY - [6h SEM] 18 - [+] 2

BIOD0002-1 *Plant geography and phytosociology* - Adeline FAYOLLE, Grégory MAHY 12 12 - 2

BIOD0006-1 *Ecology applied to population* - Grégory MAHY 14 10 - 2

GFEN1.12 Corporate and projects management

GEST3028-2 *Accounting and management* - Thomas DOGOT, Philippe LEBAILLY 24 24 - 4

GEST3020-1 *Conceiving and economic assessment of project* - Baudouin MICHEL - [12h SEM] 12 - [+] 2

Period 2

Compulsory courses

GFEN1.21 Quantification of forest resources

FORE0004-3 *Forest mensuration and forest inventory* - Yves BROSTAUX - [4h AUTR] 20 24 [+] 4

PAYS0007-2 *Introduction to landscape analysis and modeling* - Jan BOGAERT 12 12 - 2

GFEN1.22 Geomatics applied to environmental management

ENVT0045-1 *Geomatics and applied remote sensing* - Philippe LEJEUNE 28 44 - 6

GFEN1.23 Wood

ECON2248-1 *Environmental economy* - Kevin MARÉCHAL 24 - - 2

FORE0010-1 *Wood science* - Jacques HEBERT - [2h SEM, 2h FT] 24 20 [+] 4

Second semester

Period 3

Compulsory courses

GFEN1.31 Environmental economy

DROI0969-1 *Forestry law and environmental law* - Grégoire ORBAN DE XIVRY 24 - - 2

ECON2255-4 *Forest and natural resources economics* - Jacques HEBERT 12 12 - 2

FORE0012-1 *Forest products supply chain* - Jacques HEBERT - [4h SEM] 12 8 [+] 2

GFEN1.32 Basic Forest Management Principles

FORE0009-1 *Sustainable management of tropical forests* - JeanLouis DOUCET 36 - - 3

FORE0005-2 *Multifunctional management of forests* - Philippe LEJEUNE 36 - - 3

Period 4

Compulsory courses

GFEN1.41 Work placement

MANA0001-1 *Human resources and industrial relations management* - Philippe LEPOIVRE - [8h AUTR] - - [+] 2

RSTG0004-1 *Training* - Hugues CLAESSENS - - - 4

Period 5

Compulsory courses

GFEN1.51 Forestry

FORE0008-2 *Site analysis and valuation* - Hugues CLAESSENS 14 22 - 3

FORE0025-1 *Sylvicultural expertise* - Hugues CLAESSENS - [18h AUTR] 14 4 [+] 3

GFEN1.52 Management of natural environments and landscapes

FORE0018-3 *Management of large fauna in temperate climate* - Alain LICOPPE 16 8 - 2

PAYS0001-2 *Integrated management of landscape* - Grégory MAHY - 24 - 2

FORE0003-2 *Participatory management of natural environments* - Cédric VERMEULEN - [6h AUTR] 8 10 [+] 2

Second year

First semester

Optional courses

Choose one option from the following :

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

GFEN2.10 Group Project

FORE0028-1 *Group project* - COLLÉGIALITÉ - [72h AUTR] - - [+] 6

Period 1

Choose two modules from :

GFEN2.11 Landscape, ecosystem, biodiversity

PAYS0008-2 *Landscape analysis and modelling techniques* - Jan BOGAERT 12 12 - 2

PAYS0009-1 *Ecological restoration* - Grégory MAHY - [12h AUTR] 24 - [+] 4

GFEN2.12 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

GFEN2.13 Integrated management of wildlife

RAVT0003-1 *Management of large fauna in tropical 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* - MarieClaude HUYNEN, Pascal PONCIN - [12h AUTR] 12 - [+] 2

GFEN2.14 Wood development

FORE0015-2 *Forest harvesting* - Philippe LEJEUNE 14 - - 2

FORE0011-2 *Wood industry* - Jacques HEBERT - [14h Internship] 10 - [+] 2

FORE0016-3 *Wood-based products* - Benoît JOUREZ - [14h FT] 10 - [+] 2

Period 2

Choose two modules from :

GFEN2.21 Applied forestry

FORE0032-1 *Forestry itineraries* - Hugues CLAESSENS, Marc DUFRÈNE - [12h AUTR] 24 12 [+] 4

FORE0033-1 *Forest genetic resources management* - JeanLouis DOUCET, Grégory MAHY - [6h AUTR] 18 - [+] 2

GFEN2.22 Aquatic environments management

GESA0001-2 *Chemical and physico-chemical analysis of waters* - JeanPaul 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

GFEN2.23 Tropical Forestry

FORE0034-1 *Tropical forest update* - JeanLouis DOUCET, Adeline FAYOLLE 24 - - 2

FORE0014-1 *Tropical agroforestry* - JeanLouis DOUCET 24 - - 2

FORE0035-1 *Applied tropical botany* - JeanLouis DOUCET - [6h AUTR] 14 4 [+] 2

GFEN2.24 Environmental impact and territory planning

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	<i>People management and organisation</i> - Jocelyne ROBERT	24	24	-	4
GEST3002-1	<i>Human Resources</i> - Jocelyne ROBERT	24	-	-	2
GEST3003-1	<i>Competitive strategy in the marketplace</i> (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> (english language) - 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

Second semester

Compulsory courses

Period 3

GFEN2.31 Final work

RTFE0002-1	<i>Final dissertation (bioengineering)</i> - N...	-	-	-	27
LANG0907-2	<i>English language : scientific communication</i> - Sophie DEPOTERRE, Dany ETIENNE	-	36	-	3