

First Year

Compulsory courses

Cross-disciplinary activities

ENVTO010-1	<i>Multidisciplinary approach to environmental issues</i> - François MELARD, Catherine MOUGENOT, Anne-Claude ROMAIN, Marianne VON FRENCKELL	15	36	-	4
ENVTO846-2	<i>Introduction to Sustainable Development</i> - Marc MORMONT, Pierre M. STASSART	18	6	-	2
ENVTO849-2	<i>Collection and treatment of environmental information including systems analysis</i> - Philippe ANDRE, Jacques NICOLAS	18	18	-	3

Environment and resources

ENVTO011-1	<i>Ecosystems : status and resources</i> - Célia JOAQUIM#JUSTO, N..., Emmanuël SÉRUSIAUX	45	6	-	4
ENVTO012-1	<i>Energy supply resources</i> - Jean-Marie HAUGLUSTAINE	18	6	-	2

Impacts

ENVTO848-2	<i>Impacts of human activities on ecosystems and including land use</i> - Célia JOAQUIM#JUSTO, Angélique LÉONARD, Emmanuël SÉRUSIAUX, Marianne VON FRENCKELL	24	18	-	3
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Society and environment

SPOL0382-1	<i>Foundations of environmental policies/law</i> - Sylviane LEPRINCE	20	5	-	3
ECON0920-1	<i>Basis of environmental economy</i> - Henry-Jean GATHON, Axel GAUTIER, Michel HERMANS, Bernard JURION	20	5	-	3

Optional courses

Upgrading course

On the basis of previous education and in agreement with the Board of Studies, choose courses totalling 6 credits among the following :

SOCI0718-1	<i>Introduction to the Social Sciences</i> - François MELARD, Gautier PIROTTE	20	5	-	2
DROI0896-1	<i>Introduction to Law</i> - Sylviane LEPRINCE	20	5	-	2
ECON0921-1	<i>Introduction to Economy</i> - Nadia DE ZOTTI	20	5	-	2
ENVTO870-1	<i>Introduction to environmental chemistry</i> - Gauthier EPPE, Anne-Claude ROMAIN	20	5	-	2
ENVTO869-1	<i>Introduction to environmental physics</i> - Jean-Jacques BOREUX, Jacques NICOLAS	20	5	-	2
BIOL0204-4	<i>Introduction to general ecology</i> - Henry-Michel CAUCHIE, Marianne VON FRENCKELL	20	5	-	2
GEOL0273-1	<i>Introduction to Environmental Geology</i> - Alain DASSARGUES	20	5	-	2
ENVTO890-1	<i>Rudiments of thermodynamics</i> - Philippe ANDRE	20	5	-	2
MECA0477-1	<i>Introduction to fluid mechanics</i> - Benjamin DEWALS, Michel PIROTTON	20	5	-	2

Basic courses

With the approval of the Board of Studies, choose courses totalling 30 ECTS from the following :

Tools

ENVTO013-1	<i>Assessment tools (impact assessment, LCA)</i> - Jacques NICOLAS, Marianne VON FRENCKELL	30	20	-	4
ENVTO014-1	<i>Multicriteria analysis</i> - Jean-Jacques BOREUX	20	20	-	3
ENVTO015-1	<i>Tools of environmental management (EMS, prospective, spatial planning)</i> - Marc MORMONT, François ROSILLON, Pierre M. STASSART, Marianne VON FRENCKELL	30	20	-	4
ENVTO016-1	<i>Bayesian statistics applied to environment</i> - Jean-Jacques BOREUX	24	6	-	2

Sustainable development

ENVTO873-2	<i>Sustainable development and governance (sociology of policies)</i> - Marc MORMONT	30	20	-	4
ENVTO847-1	<i>Epistemology and environment (environmental knowledge models)</i> - François MELARD	15	10	-	2
ENVTO017-1	<i>Current issues of sustainable development</i> - Catherine MOUGENOT, Pierre M. STASSART	30	20	-	4

ARCH0076-1	<i>Land planning, urban planning and energy</i> - Sigrid REITER, Jacques TELLER	30	20	-	4
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Health and environment

ENVTO018-1	<i>Ecotoxicology and quantification of ecotoxicological risk</i> - Célia JOAQUIM#JUSTO	20	20	-	4
ESHY0128-1	<i>Environmental toxicology and health impacts</i> - Corinne CHARLIER	20	20	-	4

Water and soil

Master en sciences et gestion de l'environnement, à finalité spécialisée en développement durable

GEOL0271-1	<i>Groundwater</i> - Alain DASSARGUES, Philippe ORBAN	20	20	-	3
GEOG0623-1	<i>Drainage</i> - Philippe RIGO	20	20	-	4
GEOG0624-1	<i>Catchments hydrology</i> - Sébastien ERPICUM, Michel PIROTON	20	20	-	3
ESHY0084-3	<i>Environmental microbiology</i> - Monique CARNOL, François ROSILLON	20	20	-	4
Waste					
ENVT0844-2	<i>Energy Recovery from Waste</i> - Michel CRINE	15	10	-	2
<i>Notice</i> : intervention of external speakers					
ENVT0857-1	<i>Processing and recycling of solid waste and soils (ex-situ)</i> - Stoyan GAYDARDZHIEV	20	20	-	3
Energy					
ENVT0867-1	<i>Environmental performance of buildings</i> - Jean-Marie HAUGLUSTAINE	20	20	-	3
ENVT0019-1	<i>Energy balance and CO2 emissions on a building life-cycle, Part 1 : Buildings to be built</i> - Jean-Marie HAUGLUSTAINE	20	20	-	3

Notice : les étudiants qui souhaitent choisir la finalité spécialisée en Energies renouvelables en deuxième année suivront, au deuxième semestre, 30 crédits de cours "Energie" orientés "Bâtiment" à l'Université du Luxembourg dans le cadre de la convention de collaboration établie entre les deux universités. Les 30 crédits de cours à suivre à l'ULg durant le premier semestre seront choisis, avec l'accord du Conseil des Etudes, sur base du programme de la première année.

Second Year

Compulsory courses

ENVT0023-1	<i>Professional work placement</i> - COLLÉGIALITÉ	-	45	-	3
SMEM0041-1	<i>Personal project</i>				27
	- <i>internship</i> - COLLÉGIALITÉ	-	-	-	
	- <i>final thesis</i> - COLLÉGIALITÉ	-	-	-	

Compulsory courses

SPOL2306-1	<i>Policy of Energy</i>				4
	- <i>Part 1 : Policies to reduce emissions</i> - Quentin MICHEL	9	9	-	
	- <i>Part 2 : Regional and local policies</i> - Jean-Marie HAUGLUSTAINE	9	9	-	
ENVT0860-3	<i>Environmental Controversies</i> - François MELARD	30	18	-	4
GEST3066-1	<i>Transition Strategies</i> - Pierre M. STASSART	18	18	-	3
ENVT0005-4	<i>Representations Practices of Environment and Nature</i> - Catherine MOUGENOT, Lucienne STRIVAY	18	18	-	3
ENVT0862-2	<i>Methodology (quantitative and qualitative analysis)</i> - François MELARD, Catherine MOUGENOT	18	30	-	4
ENVT0861-2	<i>Communication and environment</i> - Marianne VON FRENCKELL	30	24	-	4
ENVT0021-1	<i>Case Study</i> - Jean-Marie HAUGLUSTAINE, François MELARD, Marc MORMONT, Catherine MOUGENOT, Pierre M. STASSART	12	60	-	6
ENVT0022-1	<i>Seminar to prepare the final thesis</i> - COLLÉGIALITÉ	12	12	-	2