

Compulsory courses (B1 : 60Cr, B2 : 25Cr)

Semester 1 at ULiège-Arlon

Socio-ecological issues: regulated sectors of the environment

ENVT0892-1	<i>Integrated energy management, particularly in the construction industry</i> - Philippe ANDRE - Suppl : Maxime HABRAN	B1	Q1	32	16	-	4
ENVT3040-2	<i>Integrated and participative management of water resources</i> - Joost WELLENS	B1	Q1	32	16	-	4
ENVT3127-1	<i>Biodiversity and societies</i> - Dorothée DENAYER - [12h Cl. inv., 12h Mon. WS]	B1	Q1	24	-	[+]	4
ENVT0893-1	<i>Air quality: Pressure - State - Response</i> - AnneClaude ROMAIN, Bernard TYCHON - [8h Vis.]	B1	Q1	32	8	[+]	4
ENVT0894-1	<i>Environment (soil)</i> - Bernard TYCHON - [8h FW]	B1	Q1	20	20	[+]	4

Cross-cutting approaches to environmental issues

ENVT0846-2	<i>Introduction to the Anthropocene</i> - N..., Pierre M. STASSART - [6h FW, 4h SEM]	B1	Q1	18	-	[+]	2
ENVT0049-1	<i>System analysis applied to environment</i> - Philippe ANDRE	B1	Q1	16	8	-	2
ECON0945-1	<i>Economy, energy and environment</i> - Nadia DE ZOTTI, HenryJean GATHON, Axel GAUTIER, Bernard JURION	B1	Q1	24	5	-	2
SPOL0382-2	<i>Foundations of environmental policies/law</i> - Sylviane LEPRINCE	B1	Q1	27	9	-	3

Semester 4

SMEM0042-1	<i>Dissertation</i> - COLLÉGIALITÉ	B2	TA	-	-	-	25
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Semester 2 at Unilu

HULG2954-2	<i>Energy efficiency of buildings, part 3 & lab 2</i> (english language)	B1	Q2	-	-	-	3
HULG2954-1	<i>Energy efficiency of buildings, part 1 and 2 & lab 1</i> (english language)	B1	Q2	-	-	-	7
HULG2957-1	<i>Thermodynamics</i> (english language)	B1	Q2	-	-	-	5
HULG2960-1	<i>Policy, assessment & evaluation of energy projects on European Level</i> (english language)	B1	Q2	-	-	-	3
HULG2962-1	<i>Transport Systems Analysis</i> (english language)	B1	Q2	-	-	-	4
HULG2963-1	<i>Sustainable Water and Resources Management</i> (english language)	B1	Q2	-	-	-	4
HULG2964-1	<i>Initiation to Project Work</i> (english language)	B1	Q2	-	-	-	2
HULG2965-1	<i>Circular economy in construction sector</i> (english language)	B1	Q2	-	-	-	3

Optional courses (B2 : 35Cr)

With the jury's agreement, choose one or more courses to support the dissertation for a total of 5 credits from: (B2 : 5Cr)

ENVT0154-1	<i>Internship or civic service</i> - COLLÉGIALITÉ	B2	TA	-	60	-	5
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[...] by means of reinforcing specific skills, courses in the Masters in Environmental Sciences and Management

[...] or from another programme

Single focus (B2 : 30Cr)

Professional Focus (B2 : 30Cr)

Semester 3 at ULiège-Arlon

Cross-cutting approaches to environmental issues

Master in environmental science and management (120 ECTS) (Renewable energy and sustainable buildings - Joint-degree programme with the

University of Luxembourg)
 ENVT0048-1 *Introduction to environmental ecological transitions - N...*, B2 Q1 30 30 [+] 5
 Pierre M. STASSART - [15h SEM]

ENVT0897-1 *Introduction to environmental and health risks -* B2 Q1 24 12 [+] 5
 HenryMichel CAUCHIE, Pierre OZER - [6h SEM, 2d FW]

Renewable energy and sustainable construction module

ENVT0068-2 *Exploitation of renewable energy - Philippe ANDRE,* B2 Q1 32 16 - 4
 Vincent HANUS - Suppl : Manfred GREGER

ENVT0072-2 *Technical and economic analysis of energy systems : theory and* B2 Q1 20 28 - 4
project - Philippe ANDRE, Vincent HANUS - Suppl :
 Manfred GREGER, Abdelhamid KHEIRI, Olivier LOTTIN

ENVT0069-2 *Decentralised production and storage of energy - Vincent HANUS* B2 Q1 30 18 - 4
 - Suppl : Olivier LOTTIN

With the jury's agreement and depending on the student's course, choose two courses from: (B2 : 8Cr)

ENVT0901-1 *Sizing and simulation of energy systems in the construction* B2 Q1 24 24 - 4
industry - Philippe ANDRE

ELEC0080-1 *Energy networks* B2 Q1 4
 - Part 1: *Electrical energy systems - Damien ERNST* 24 12 -
 - Part 2: *Heat networks - Pierre DEWALLEF - [1d FW]* 6 6 [+]

ENVT3059-2 *Energy optimisation in construction and integrating renewable* B2 Q1 24 24 - 4
energies - Philippe ANDRE, N...

GEOL1031-2 *Management of groundwater quantity and quality -* B2 Q1 24 20 [+] 4
 Serge BROUYÈRE, Philippe ORBAN - [1d FW]

ENVT3041-1 *Analytical and decision-making tools for integrated* B2 Q1 22 16 - 4
management of water resources - JeanFrançois DELIÈGE

ENVT3029-1 *Public policy and action - Sébastien BRUNET,* B2 Q1 24 - - 4
 Patrick STEYAERT

ENVT0073-1 *Agricultural production systems and food security -* B2 Q1 20 20 - 4
 Pierre OZER, Bernard TYCHON

ENVT0902-1 *Modelling atmospheric dispersion - Marie DURY,* B2 Q1 24 20 - 4
 Fabian LENARTZ, AnneClaude ROMAIN

With the jur's agreement and for valid reasons, the courses in the Block 2 programme of the Master in environmental science and management (120 ECTS), with a specialised focus may be replaced by courses in Block 1 or by courses from other programmes.

Additional credits Master in environmental science and management (120 ECT) - joint degree with Luxembourg

Depending on the student's previous training and in agreement with the Jury, choose courses for a maximum of 14 credits from: (B0 : 14Cr)

ENVT0060-1 *Introduction to environmental sociology, Part 1: Approaches in* B0 Q1 8 8 - 2
environmental sociology - François MELARD

ECON0944-1 *Elements of economy for environmental sciences - Pierre COPÉE* B0 Q1 18 5 - 2

ENVT0048-2 *Statistics applied to the environment: introduction to the statistical* B0 Q1 15 15 - 3
approach and aspects of univariate statistics - Arnout VAN MESSEM

LANG2972-1 *English 1 - Level 1 (english language) - Véronique DOPPAGNE,* B0 Q1 12 12 - 2
 Kevin NOIROUX

LANG2973-1 *English 2 - Level 1 (english language) - Véronique DOPPAGNE,* B0 Q2 12 12 - 2

Master in environmental science and management (120 ECTS) (Renewable energy and sustainable buildings - Joint-degree programme with the University of Luxembourg)

ENVT0062-1	<i>Introduction to chemistry and environmental biology -</i> Armélinda AGNELLO, Célia JOAQUIMJUSTO, AnneClaude ROMAIN	B0	Q1	16	16	-	4
ENVT0896-1	<i>Introduction to environmental physics and thermodynamics -</i> Philippe ANDRE	B0	Q1	32	16	-	4