

Block view of the study programme

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Block 1

Compulsory courses

Semester 1 at ULiège-Arlon

Socio-ecological issues: regulated sectors of the environment

ENVT0892-1	<i>Integrated energy management, particularly in the construction industry - Philippe ANDRE, Maxime HABRAN, N...</i>	Q1	28	12	-	4
ENVT3040-2	<i>Integrated and participative management of water resources - Johan DEROUANE, Joost WELLENS</i>	Q1	24	16	-	4
ENVT3127-1	<i>Biodiversity and societies - Dorothée DENAYER</i>	Q1	30	10	-	4
ENVT0893-1	<i>Air quality: Pressure - State - Response - AnneClaude ROMAIN, Bernard TYCHON</i>	Q1	34	4	-	4
ENVT0894-1	<i>Environment (soil) - Bernard TYCHON</i>	Q1	25	15	-	4

Cross-cutting approaches to environmental issues

ENVT0846-2	<i>Introduction to the Anthropocene - Pierre M. STASSART - [6h FW, 4h SEM]</i>	Q1	20	-	[+]	2
ENVT0049-1	<i>System analysis applied to environment - Philippe ANDRE</i>	Q1	14	6	-	2
ECON0945-1	<i>Economy, energy and environment - Axel GAUTIER, Jérôme SCHOENMAECKERS</i>	Q1	16	-	-	2
ENVT3054-2	<i>Methodological Approach to Environmental Science - Marjorie BARDIAU, Léna CAUCHIE, Antoine DENIS - [4h Mon. WS]</i>	Q1	16	10	[+]	3

Semester 2 at Unilu

HULG2966-1	<i>Smart energy management</i>	Q2	-	-	-	3
HULG2954-1	<i>Energy efficiency of buildings, part 1 and 2 & lab I (english language)</i>	Q2	-	-	-	7
HULG2957-1	<i>Thermodynamics (english language)</i>	Q2	-	-	-	5
HULG2960-1	<i>Policy, assessment & evaluation of energy projects on European Level (english language)</i>	Q2	-	-	-	3
HULG2962-1	<i>Transport Systems Analysis (english language)</i>	Q2	-	-	-	4
HULG2963-1	<i>Sustainable Water and Resources Management (english language)</i>	Q2	-	-	-	4
HULG2964-1	<i>Initiation to Project Work (english language)</i>	Q2	-	-	-	2
HULG2965-1	<i>Circular economy in construction sector (english language)</i>	Q2	-	-	-	3

Block 2

Compulsory courses

Semester 4

SMEM0042-1	<i>Dissertation - COLLÉGIALITÉ, N...</i>	TA	-	-	-	25
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Optional courses

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

SSTG0154-1	<i>Internship - COLLÉGIALITÉ, Joost WELLENS - [60h Internship]</i>	TA	-	-	[+]	5
ENVT1154-1	<i>Citizen service - COLLÉGIALITÉ, Pierre M. STASSART</i>	TA	-	60	-	5

[...] by means of reinforcing specific skills, courses in the Masters in Environmental Sciences and Management

[...] or from another programme

Focus compulsory courses

Semester 3 at ULiège-Arlon

Cross-cutting approaches to environmental issues

ENVT0040-2	<i>Transitions theory and management ecological transitions</i> - N..., Pierre M. STASSART - [15h SEM]	Q1	30	30	[+]	5
ENVT0897-1	<i>Introduction to environmental and health risks</i> - HenryMichel CAUCHIE, Pierre OZER - [6h SEM, 2d FW]	Q1	24	12	[+]	5

Renewable energy and sustainable construction module

(Coordinator: Philippe ANDRE)

ENVT0068-2	<i>Exploitation of renewable energy</i> - Philippe ANDRE, Vincent HANUS, N..., N... - [0,5d FT]	Q1	37	3	[+]	4
ENVT0072-2	<i>Project approach: theory and economic issues</i> - Philippe ANDRE, Vincent HANUS, Abdelhamid KHEIRI	Q1	12	8	-	2
ENVT0904-1	<i>Simulation and optimisation of building energy systems</i> - Philippe ANDRE	Q1	24	36	-	6

Focus optional courses

In agreement with the jury and depending on your background, choose two of the 7 courses below:

- Courses will only be organised if at least three students are enrolled.
- The timetables of courses ENVT0069-2 and ENVT0867-1 may not be compatible with the last four courses in the list below (GEOL1031-2, ENVT3041-1, ENVT3029-1, ENVT0902-1).

ENVT0069-2	<i>Decentralised production and storage of energy</i> - Vincent HANUS, Olivier LOTTIN, Sébastien THOMAS	Q1	30	10	-	4
ENVT0867-1	<i>Environmental performance of buildings</i> (english language) - Philippe ANDRE	Q1	20	20	-	4
ENVT0905-1	<i>Energy communities</i> - Philippe ANDRE, Damien ERNST	Q1	20	20	-	4
GEOL1031-2	<i>Management of groundwater quantity and quality</i> - Serge BROUYÈRE, Philippe ORBAN - [1d FW]	Q1	25	15	[+]	4
ENVT3041-1	<i>Analytical and decision-making tools for integrated management of water resources</i> - JeanFrançois DELIÈGE	Q1	22	16	-	4
ENVT3029-1	<i>Public policy and action</i> - Sébastien BRUNET, N..., Patrick STEYAERT	Q1	27	-	-	4
ENVT0902-1	<i>Modelling atmospheric dispersion</i> - Fabian LENARTZ, N..., AnneClaude ROMAIN	Q1	20	20	-	4

Prerequisite :

ENVT0893-1 - Qualité de l'air : Pression - Etat - Réponse

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

Bloc d'aménagement du programme de l'année

Bridging courses Master in environmental science and management (120 credits) - 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:

ENVT0060-1	<i>Introduction to environmental sociology, Part 1: Approaches in environmental sociology</i> - François MELARD	Q1	8	8	-	2
ECON0944-1	(pas organisé en 2025-2026) <i>Elements of economy for environmental</i>	Q1	18	2	-	2

sciences - N...

ENVT0048-2	<i>Statistics applied to the environment: introduction to the statistical approach and aspects of univariate statistics</i> - Laurent LOOSVELDT	Q1	15	15	-	3
LANG2972-1	<i>English 1 - Level 1: reading English texts at level B2</i> (english language) - Clara BRERETON, Kevin NOIROUX - [10h Mon. Read.]	Q1	10	10	[+]	2
LANG2973-1	<i>English 2 - Level 1: reading scientific articles in English</i> (english language) - Clara BRERETON, Kevin NOIROUX - [10h Mon. Read.]	Q2	10	10	[+]	2
ENVT0906-1	<i>Introduction to environmental chemistry</i> - Armélinda AGNELLO, Justin MARTIN	Q1	20	4	-	2
ENVT0907-1	<i>Introduction to environmental biology</i> - Dorothée DENAYER, Célia JOAQUIMJUSTO	Q1	10	4	-	2
ENVT0908-1	<i>Introduction to environmental physics</i> - Philippe ANDRE	Q1	14	6	-	2
ENVT0909-1	<i>Introduction to environmental thermodynamics</i> - Philippe ANDRE	Q1	14	6	-	2