

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</i> - Philippe ANDRE - Suppl : Maxime HABRAN	Q1	32	16	-	4
ENVT3040-2	<i>Integrated and participative management of water resources</i> - Joost WELLENS	Q1	32	16	-	4
ENVT3127-1	<i>Biodiversity and societies</i> - Dorothée DENAYER - [12h Cl. inv., 12h Mon. WS]	Q1	24	-	[+]	4
ENVT0893-1	<i>Air quality: Pressure - State - Response</i> - AnneClaude ROMAIN, Bernard TYCHON - [8h Vis.]	Q1	32	8	[+]	4
ENVT0894-1	<i>Environment (soil)</i> - Bernard TYCHON - [8h FW]	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]	Q1	18	-	[+]	2
ENVT0049-1	<i>System analysis applied to environment</i> - Philippe ANDRE	Q1	16	8	-	2
ECON0945-1	<i>Economy, energy and environment</i> - Nadia DE ZOTTI, HenryJean GATHON, Axel GAUTIER, Bernard JURION	Q1	24	5	-	2
SPOL0382-2	<i>Foundations of environmental policies/law</i> - Sylviane LEPRINCE	Q1	27	9	-	3

Semester 2 at Unilu

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

Block 2

Compulsory courses

Semester 4

SMEM0042-1	<i>Dissertation</i> - COLLÉGIALITÉ	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:

ENVT0154-1	<i>Internship or civic service</i> - COLLÉGIALITÉ	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

Semester 3 at ULiège-Arlon

Cross-cutting approaches to environmental issues

ENV0040-2	<i>Transitions theory and management ecological transitions - N...</i> Pierre M. STASSART - [15h SEM]	Q1	30	30	[+]	5
ENV0897-1	<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

ENV0068-2	<i>Exploitation of renewable energy - Philippe ANDRE, Vincent HANUS -</i> Suppl : Manfred GREGER	Q1	32	16	-	4
ENV0072-2	<i>Technical and economic analysis of energy systems : theory and project</i> - Philippe ANDRE, Vincent HANUS - Suppl : Manfred GREGER, Abdelhamid KHEIRI, Olivier LOTTIN	Q1	20	28	-	4
ENV0069-2	<i>Decentralised production and storage of energy - Vincent HANUS -</i> Suppl : Olivier LOTTIN	Q1	30	18	-	4

With the jury's agreement and depending on the student's course, choose two courses from:

ENV0901-1	<i>Sizing and simulation of energy systems in the construction industry</i> - Philippe ANDRE	Q1	24	24	-	4
ELEC0080-1	<i>Energy networks</i> - Part 1: Electrical energy systems - Damien ERNST - Part 2: Heat networks - Pierre DEWALLEF - [1d FW]	Q1	24 6	12 6	- [+]	4
ENV3059-2	<i>Energy optimisation in construction and integrating renewable energies - Philippe ANDRE, N...</i>	Q1	24	24	-	4
GEOL1031-2	<i>Management of groundwater quantity and quality -</i> Serge BROUYÈRE, Philippe ORBAN - [1d FW]	Q1	24	20	[+]	4
ENV3041-1	<i>Analytical and decision-making tools for integrated management of water resources - JeanFrançois DELIÈGE</i>	Q1	22	16	-	4
ENV3029-1	<i>Public policy and action - Sébastien BRUNET, Patrick STEYAERT</i>	Q1	24	-	-	4
ENV0073-1	<i>Agricultural production systems and food security - Pierre OZER, Bernard TYCHON</i>	Q1	20	20	-	4
ENV0902-1	<i>Modelling atmospheric dispersion - Marie DURY, Fabian LENARTZ, AnneClaude ROMAIN</i>	Q1	24	20	-	4

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.

Bloc d'aménagement du programme de l'année

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:

ENV0060-1	<i>Introduction to environmental sociology, Part 1: Approaches in environmental sociology - François MELARD</i>	Q1	8	8	-	2
ECON0944-1	<i>Elements of economy for environmental sciences - Pierre COPÉE</i>	Q1	18	5	-	2

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

Code	Description	Period	ECTS	Prerequisites	ECTS
ENVT0048-1	<i>Introduction to the statistical approach and aspects of univariate statistics</i> - Arnout VAN MESSEM	Q1	15	15	3
LANG2972-1	<i>English 1 - Level 1</i> (english language) - Véronique DOPPAGNE, Kevin NOIROUX	Q1	12	12	2
LANG2973-1	<i>English 2 - Level 1</i> (english language) - Véronique DOPPAGNE, Kevin NOIROUX	Q2	12	12	2
ENVT0062-1	<i>Introduction to chemistry and environmental biology</i> - Armélinda AGNELLO, Célia JOAQUIMJUSTO, AnneClaude ROMAIN	Q1	16	16	4
ENVT0896-1	<i>Introduction to environmental physics and thermodynamics</i> - Philippe ANDRE	Q1	32	16	4