

First Year

Compulsory courses

ENVT0868-1	<i>Integration of Seminar: multidisciplinary approach of an environmental question</i> - Philippe ANDRE, François MELARD, Catherine MOUGENOT, Anne-Claude ROMAIN, Marianne VON FRENCKELL	15	30	-	3
"Management" Module					
SPOL0382-1	<i>Foundations of environmental politics/law</i> - N... - Suppl : Sylviane LEPRINCE	20	5	-	2
ECON0920-1	<i>Basis of environmental economy</i> - Catherine DELCOUR, Henry-Jean GATHON, Axel GAUTIER, Michel HERMANS, Bernard JURION, Claudine VLAJIC	20	5	-	2
ENVT0845-1	<i>Evaluation and management tools (evaluation EIA, SEA, LCA), management: SME, labels, multi-criteria analysis, spatial planning, economic tools</i> - Philippe ANDRE, Jean-Jacques BOREUX, Marc MORMONT, Jacques NICOLAS, François ROSILLON, Pierre M. STASSART, Marianne VON FRENCKELL	50	40	-	7
ENVT0847-1	<i>Epistemology and the environment (environmental knowledge models)</i> - François MELARD	15	10	-	2
ENVT0846-1	<i>Introduction to Sustainable Development</i> - Marc MORMONT, Pierre M. STASSART	20	5	-	2
Module "Sciences"					
ENVT0848-1	<i>Impacts of human activities on ecosystems and including land use</i> - Célia JOAQUIM#JUSTO, Emmanuël SÉRUSIAUX, Marianne VON FRENCKELL	20	20	-	3
ESHY0084-3	<i>Environmental microbiology</i> - Monique CARNOL, François ROSILLON	20	20	-	3
ENVT0849-1	<i>Collection and treatment of environmental information including systems analysis</i> - Philippe ANDRE, Jean-Jacques BOREUX, Jacques NICOLAS	20	20	-	3
ESHY0126-1	<i>Ecotoxicology and Environmental Toxicology</i> - Corinne CHARLIER, Célia JOAQUIM#JUSTO	20	20	-	3
ESHY0127-1	<i>Quantification of toxicological and ecotoxicological risks</i> - Corinne CHARLIER, Célia JOAQUIM#JUSTO	20	20	-	3
Module "Applied Sciences"					
ENVT0850-1	<i>Energy supply</i> - Jean-Marie HAUGLUSTAINE	20	20	-	3
ENVT0851-1	<i>Impacts of industrial activity on environment</i> - Albert GERMAIN	20	20	-	3
GEOL0271-1	<i>Groundwater</i> - Serge BROUYÈRE, Alain DASSARGUES	20	20	-	3
GEOG0623-1	<i>Drainage</i> - Philippe RIGO	20	20	-	3
GEOG0624-1	<i>Catchments hydrology</i> - Sébastien ERPICUM, Michel PIROTON	20	20	-	3

Optional courses

Choose courses, on the basis of previous education and in agreement with the Board of Studies, totalling 12 credits :

"Management" (Refresher) Module

SOCI0718-1	<i>Introduction to the Social Sciences</i> - François MELARD, Gautier PIROTTE	20	5	-	2
DROI0896-1	<i>Introduction to Law</i> - N... - Suppl : Frédéric BOUHON	20	5	-	2
ECON0921-1	<i>Introduction to Economy</i> - Eric BONSANG	20	5	-	2

"Sciences" Module (refresher course)

ENVT0870-1	<i>Introduction to environmental chemistry</i> - Anne-Claude ROMAIN	20	5	-	2
ENVT0869-1	<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

"Applied Sciences" Module (refresher course)

GEOL0273-1	<i>Introduction to Environmental Geology</i> - Alain DASSARGUES	20	5	-	2
CHIM0286-3	<i>Rudiments of thermodynamics</i> - N... - Suppl : Philippe ANDRE	20	5	-	2
MECA0477-1	<i>Introduction to fluid mechanics</i> - Benjamin J. DEWALS, Michel PIROTON	20	5	-	2

Second Year

Compulsory courses

ENVT0871-1	<i>Integrated exercises</i> - Philippe ANDRE, François MELARD, Jacques NICOLAS, François ROSILLON, Jean-Luc VASEL	-	45	-	3
SSTG0012-1	<i>Internship</i> - COLLÉGIALITÉ	-	-	-	5
SMEM0025-1	<i>Final work</i> - COLLÉGIALITÉ	-	-	-	22

Research Focus

Optional courses

Choose one option from the following :

Option Monitoring the Environment

ENVT0852-1 *Data collection and processing* - Jean-Jacques BOREUX, Jacques NICOLAS, Eric PIRARD 40 40 - **6**

Measurement Tools for Environmental Parameters

ENVT2036-1 *Hydrosphere, biosphere and geosphere* - Henry-Michel CAUCHIE, François ROSILLON, Bernard TYCHON, Jean-Luc VASEL 15 15 - **3**

ENVT2037-1 *Part 2 - Atmosphere* - Véronique BEAUVOIS, A.S. CARNOY (GRAMME), Jean-Jacques EMBRECHTS, Jacques NICOLAS, Anne-Claude ROMAIN 35 35 - **7**

ENVT2038-1 *Energy and mass flows* - Philippe ANDRE, Jean-Marie HAUGLUSTAINE 25 25 - **5**

ENVT0854-1 *Information representation* - Jean-Jacques BOREUX, Jacques NICOLAS, Bernard TYCHON 40 20 - **5**

ENVT0855-1 *Decision Support* - Jean-Jacques BOREUX 30 20 - **4**

Technical Intervention Option

ENVT0856-1 *Characterisation of water and gaseous, liquid and solid effluents* - Anne-Claude ROMAIN, Louis VANDEVENNE, Jean-Luc VASEL 30 20 - **4**

ENVT0872-1 *Water treatment* - Jean-Luc VASEL 60 60 - **9**

GEOL0272-1 *Management of groundwater and surface water quantity* - Serge BROUYÈRE, Alain DASSARGUES, Benjamin J. DEWALS, Philippe RIGO 40 40 - **6**

ENVT0857-1 *Processing and recycling of solid waste and soils (ex-situ)* - Stoyan GAYDARDZHIEV, Albert GERMAIN 20 20 - **3**

GCIV0187-1 *Storage: containing waste* - Albert BOLLE, Jean-Marie RIGO, Jean-Luc VASEL 20 20 - **3**

ENVT0858-1 *Remediation of contaminated sites* - Alain DASSARGUES 20 20 - **3**

ENVT0859-1 *Environmental acoustics* - Jean-Jacques EMBRECHTS 15 10 - **2**

Option Management

ENVT0860-1 *Environmental Controversies* - François MELARD 20 20 - **3**

ENVT0873-1 *Sustainable development and governance (sociology of policies)* - Marc MORMONT 20 20 - **3**

GEST1074-1 *Business Management* - Annie CORNET 20 20 - **3**

ENVT0005-3 *Representations Practices of Environment and Nature* - Catherine MOUGENOT, Lucienne STRIVAY 20 20 - **3**

ENVT0862-1 *Methodology (quantitative and qualitative analysis)* - François MELARD, Marc MORMONT, Catherine MOUGENOT, Jacques NICOLAS 20 20 - **3**

ENVT0861-1 *Communication and environments* - Marianne VON FRENCKELL 20 20 - **3**

ENVT0863-1 *Projects* - Jean-Marie HAUGLUSTAINE, François MELARD, Marc MORMONT, Catherine MOUGENOT, Pierre M. STASSART 15 80 - **8**

ENVT0864-1 *special questions* - Catherine MOUGENOT, Pierre M. STASSART 30 20 - **4**

Option Energy-Environment

ENVT0865-1 *Energy and climate* - Philippe ANDRE, Jean-Marie HAUGLUSTAINE 15 10 - **2**

MECA0459-1 *Applied thermodynamics. Energy conversion techniques. Thermic power stations* - Philippe MATHIEU 20 20 - **3**

CHIM0622-1 *Energy vectors* - Philippe ANDRE, Albert GERMAIN 15 10 - **2**

ELEC0432-1 *Power system network* - Jean-Louis LILIEN, N... 15 10 - **2**

MECA0457-1 *Combustion. Technical and environmental aspects* - Philippe NGENDAKUMANA 15 10 - **2**

ENVT0844-2 *Energy Recovery from Waste* - Albert GERMAIN 15 10 - **2**

ENVT0866-1 *Atmospheric pollution. Management of gaseous waste.* - Albert GERMAIN 15 10 - **2**

MECA0453-1 *Optimal use of energy in systems and processes* - Michel FEIDT, Gaël MARANZANA 20 20 - **3**

ENVT0867-1 *Environmental performance of buildings* - Jean-Marie HAUGLUSTAINE 20 20 - **3**

MECA0458-1 *Refrigeration and air-conditioning* - Philippe ANDRE, Rahal BOUSSEHAIN 20 20 - **3**

