

# Master of Science and Technology CSE

## Environmental engineering syllabus

### 1st year - 70ECTS

Name	Course unit code	Year	Semester	Hour	ECTS	Teacher
<a href="#">Transport phenomena</a>	TRPH	1	1	32	4	<a href="#">C. Baron</a> , <a href="#">P. Denis</a> , <a href="#">F. Schwander</a>
<a href="#">Computer Sciences and Num. methods</a>	CSNM	1	1	24	3	<a href="#">O. Boiron</a>
<a href="#">Hydraulics and Hydrology</a>	HYHY	1	1	24	3	<a href="#">O. Boiron</a>
<a href="#">Introduction to chemical eng.</a>	INCE	1	1	24	3	<a href="#">J. Du</a>
<a href="#">Introduction to environmental eng.</a>	INEE	1	1	24	3	<a href="#">J. Muyldermans</a> , <a href="#">P. Boyer</a>
<a href="#">Energy and environment</a>	ENEN	1	1	24	3	<a href="#">P. Denis</a> , <a href="#">P. Crespi</a> , <a href="#">F. Mermaz</a>
<a href="#">Geomatics</a>	GEOM	1	1	24	3	<a href="#">J.-M. Métivier</a>
<a href="#">Industrial engineering</a>	INE7	1	1	32	4	
<a href="#">Train'Eng</a>	JOT7	1	1	32	2	
<a href="#">French</a>	LAN7	1	1	20	2	<a href="#">V. Hamel</a>
<a href="#">Project</a>	PRO7	1	1	30	3	<a href="#">Fiona Pommeret</a>
<a href="#">Seminars</a>	SEM7	1	1		1	
<a href="#">Winter Lab internship</a>	STL7	1	1	8 weeks	6	

Name	Course unit code	Year	Semester	Hour	ECTS	Teacher
<a href="#">Environmental management</a>	ENMA	1	2	35	3	<a href="#">N. Cloutens</a>
<a href="#">Circular economy and sustainable design</a>	CIES	1	2	47	4	<a href="#">C. Jalain</a>
<a href="#">Pollutants and water waste</a>	POWW	1	2	33	2	<a href="#">N. Ibaseta</a>
<a href="#">Green chemistry</a>	GRCH	1	2	46	4	<a href="#">D. Herault</a>
<a href="#">Environmental monitoring</a>	ENMO	1	2	46	4	<a href="#">A. Roueff</a>
<a href="#">Renewable energies</a>	REEN	1	2	24	2	<a href="#">O. Boiron</a> , <a href="#">M. Henriet</a> , <a href="#">J.C. Urbani</a>
<a href="#">French</a>	LAN8	1	2	20	2	<a href="#">V. Hamel</a>
<a href="#">Summer internship</a>	STG8	1	2	2months	6	
<a href="#">Project</a>	PRO8	1	2	38	3	<a href="#">F. Anselmet</a>

### 2nd year - 70ECTS

Name	Course unit code	Year	Semester	Hour	ECTS	Teacher
<a href="#">Computer Sciences &amp; data sciences</a>	CSDS	2	1	24	3	<a href="#">V. Pesce</a>
<a href="#">Energy efficiency</a>	ENEF	2	1	24	3	<a href="#">J. Du</a>
<a href="#">Advanced fluid mechanics</a>	MEFA	2	1	24	3	<a href="#">cse_2e_syllabus</a>
<a href="#">Coastal engineering</a>	COEN	2	1	24	3	<a href="#">J. Touboul</a>
<a href="#">Bioprocess</a>	BIOP	2	1	24	3	<a href="#">P. Chambonnière</a>
<a href="#">Water management</a>	EAUX	2	1	24	3	<a href="#">P. Chambonnière</a>
<a href="#">Geophysical flows</a>	GEOF	2	1	24	3	<a href="#">O. Boiron</a>
<a href="#">Geographical Economics and territory efficiency</a>	GETE	2	1	24	3	<a href="#">F. Rychen</a>
<a href="#">Elective course</a>	ELC9	2	1	24	3	
<a href="#">Ethics of responsibility</a>	ETRE	2	1	12	1	
<a href="#">Industrial engineering (filières)</a>	INE9	2	1	100	6	
<a href="#">French</a>	LAN9	2	1	30	2	<a href="#">V. Hamel</a>
<a href="#">Project - Lab work</a>	PRO9	2	1	100	2	
<a href="#">Seminars</a>	SEM9	2	1		2	
Name	Course unit code	Year	Semester	Hour	ECTS	Teacher
<a href="#">Master thesis</a>	THES	2	2	4-6months	30	

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