

## List of courses taught in English

Courses **not** listed below are taught in French with lecture notes or Powerpoint handouts in English sometimes available.

Courses highlighted in yellow are **partly** taught in English.

### Common module to all Masters of Science :

Code	Semester	course title	ECTS
ENV-20101C	1	Enterprise and Sustainable Development	3

## GEOSCIENCES

### Master of Science

Code	Semester	course title	ECTS
<b>Year 1</b>			
ENV-20117C	1	Data analysis for Geosciences	4
ENV-20119C	1	Sea Level Variations: observations and processes	3
ENV-20118C	1	Techniques in marine geology	5
ENV-20103B	1	Introduction to coastal morphodynamics	3
ENV-20120C	1	Positioning and Georeferencing	3
ENV-20106C	1	Introduction to coastal hazards and risks	3
ENV-20105C	1	Remote Sensing of Environment	3
ENV-20114C	1	Integrated Coastal Zone Management	2
ENV-20214C	2	Coastal Hydrodynamics and Sediment Transport	5
ENV-20212C	2	GPS methods for Geophysics	4
<b>Year 2</b>			
ENV-23315C	3	Introduction to numerical optimization	3
ENV-23314C	3	Numerical modelling in hydrodynamics	3

## BIOTECHNOLOGY

### Bachelor of Science

Code	Semester	course title	ECTS
<b>Year 3</b>			
BIOTEC-15619C	2	Catabolism	2

### Master of Science

<b>Year 1</b>			
BIOC-24123C	1	Advanced Molecular and Cellular Immunology	3
BIOC-24125C	1	Microbiology	4
BIOTEC-24209C	2	Food Biochemistry	3
BIOC-24123C	2	Advanced Molecular and Cellular Pharmacology	3
<b>Year 2</b>			
BIOC-24302C	3	Cell Communication and Adaptation	3
BIOC-24307C	3	Scientific Argumentation - <i>Rhetorics, Pragmatics, Ethics</i>	2

## CHEMISTRY

### Master of Science

Code	Semester	course title	ECTS
<b>Year 1</b>			
SGM-26116C	1	Métallurgie - <i>Metallurgy</i>	5
SGM-26209C	2	Protection des Matériaux 1 - <i>Protection of Materials</i>	4
SGM-26207C	2	Thermodynamique des solutions ioniques - <i>Thermodynamics of solid solution</i>	2
<b>Year 2</b>			
SGM-26305C	3	Protection Anticorrosion	2

## PHYSICS

### Master of Science

Code	Semester	course title	ECTS
<b>Year 1</b>			
SGM-26106C	1	Eléments finis - <i>Finite Elements</i>	3
SGM-26118C	1	Polymères et composites - <i>Polymers and Composites</i>	5
SGM-26219C	2	Propriétés mécaniques des polymères et composites - <i>Mechanical Properties of Polymers and Composites</i>	4

## BIOLOGY

### Bachelor of Science

Code	Semester	course title	ECTS
<b>Year 3</b>			
BIOL-15505C	1	Population dynamics	2
BIOL-15512C	1	Ecology of top-predators	4
BIOL-15606C	2	Ecophysiology and biological rhythms	2
BIOL-15608C	2	Marine ecophysiology	3
BIO-15614C	2	Biologically active substances	2

### Master of Science

<b>Year 1</b>			
ENV-20110C	1	Ecophysiology	4
ENV-20204C	2	Water Quality, Ecotoxicology, Bioremediation	5
ENV-20206C	2	Oceanography and coastal ecology	3
<b>Year 2</b>			
ENV-21303C	3	Integrated Management of wetlands	5
ENV-23307C	3	Problematics in coastal ecology	6
ENV-21306C	3	Managing Water resources	3

## COMPUTER SCIENCE

## Master of Science

Code	Semester	course title	ECTS
<b>Year 1</b>			
INFO-28101C	1	Techniques de programmation (Python)- <i>Programming Techniques</i>	6
INFO-28203C	2	Diffusion des contenus numériques - <i>Digital Content Broadcasting</i>	5
INFO-28104C	2	Administration et organisation des systèmes d'information - <i>Information System and Decision Support System</i>	5
<b>Year 2</b>			
INFO-28308C	3	Fouilles de données - <i>Data mining</i>	6

## CIVIL ENGINEERING

### Master of Science

Code	Semester	course title	ECTS
<b>Year 2</b>			
BAT-25309C	3	Production d'électricité éolien photovoltaïque - <i>Wind and Photovoltaic Energy</i>	2
BAT-25312C	3	Outils de simulation dynamique - <i>Building Simulation Tools</i>	2
BAT 25311C	3	Qualité des Environnements Intérieurs - <i>Indoor Air environment quality</i>	2

## MATHEMATICS

### Bachelor of Science

Code	Semester	course title	ECTS
<b>Year 3</b>			
ENV-13512C	1	Environment and sustainable development in mathematics	2
MATH-13612C	2	Modelling	6