

## **Academic plan of study (Degree of Environmental Sciences)**

### **First year**

#### **First semester**

<b>Course</b>	<b>Credits</b>	<b>Type</b>
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Biology (*)	6	Basic
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Physics	9	Basic
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Geology (*)	6	Basic
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Mathematics	9	Basic
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#### **Second semester**

<b>Course</b>	<b>Credits</b>	<b>Type</b>
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Botany	6	Basic
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Hydrology and hydrogeology (*)	6	Basic
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Physical environment	6	Basic
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Chemistry (*)	6	Basic
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Zoology	6	Basic
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### **Second year**

#### **First semester**

<b>Course</b>	<b>Credits</b>	<b>Type</b>
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Environmental management and legislation	6	Obligatory
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Environmental Engineering bases	6	Obligatory
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Edaphology	6	Obligatory
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Statistics applied to the environment	6	Obligatory
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Population, territory and environment	6	Obligatory
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## Second semester

Course	Credits	Type
Instrumental chemical analysis (*)	6	Obligatory
Natural resources and environment economy	6	Obligatory
Meteorology and climatology	6	Obligatory
Microbiology (*)	6	Obligatory
Systems of environmental information	6	Obligatory

## Third year

### First semester

Course	Credits	Type
Ecology I	6	Obligatory
Energy and environment	6	Obligatory
Soil and water pollution assessment (*)	6	Obligatory
Territorial planning	6	Obligatory
Public health and environmental toxicology	6	Obligatory

### Second semester

Course	Credits	Type
Physical pollutions of the environment	6	Obligatory
Ecology II	6	Obligatory
Management and processing of waste and soils	6	Obligatory

Planning and management of the rural and urban environment	6	Obligatory
Treatment of liquid and gaseous effluents	6	Obligatory

#### **Fourth year**

##### **First semester**

<b>Course</b>	<b>Credits Type</b>	
Design and management of environmental projects (*)	6	Obligatory
Environmental impact assessment	6	Obligatory
Management and conservation of resources and biological risks	6	Obligatory
Management and conservation of resources and geological risks (**)	6	Obligatory
Optional 1	6	Optional

##### **Second semester**

<b>Course</b>	<b>Credits Type</b>	
Optional 2	6	Optional
Environmental rehabilitation and restoration	6	Obligatory
Environmental management systems	6	Obligatory
Degree final project	12	Obligatory

#### **Optional subjects**

##### **Annual subjects**

<b>Course</b>	<b>Credits Type</b>	
External practices, business management or entrepreneurship	6	Optional

##### **First semester**

Environmental education (**)	6	Optional
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Microbiology applied to the environment (\*) 6 Optional

## **Second semester**

Environmental chemistry 6 Optional

Techniques for analysing geological materials (\*) 6 Optional

Foreign students are allowed, if included in their study contract, to take up to a maximum of 24 credits by performing some academically directed work. To see the rules that regulate this kind of activities, click [here](#).

(\*) Courses with support in English.

(\*\*) Courses taught in English.

For the syllabus of the courses in English or with support in English click [here](#).

For the syllabus of all courses click [here](#).