

ENVIRONMENTAL SCIENCE DEGREE

ACADEMIC YEAR 2020/2021

Studies	Environmental Science Degree
Centre	Faculty of Sciences C/ Darwin, 2 Campus de Cantoblanco 28049 Madrid Phone: 914978264 Web page ↗
Knowledge Branch	Sciences
ECTS Credits	240

ECTS CREDITS	
Basic training (FB)	66
Compulsory (OB)	126
Optional (OP)	42
External practical (PE)	-
End-of-degree Project (TFG)	6
Total	240

FIRST YEAR

Code	Subject	Credits	Type	Semester
<u>16476</u>	CHEMISTRY	9	FB	Annual
<u>16477</u>	GEOLOGY	9	FB	Annual
<u>16478</u>	MATHEMATICS	6	FB	1
<u>16479</u>	BIOLOGY	6	FB	1
<u>16480</u>	SOCIETY AND THE ENVIRONMENT	6	FB	1
<u>16481</u>	STATISTICS	6	FB	2

Code	Subject	Credits	Type	Semester
<u>16482</u>	ZOOLOGY	6	FB	2
<u>16483</u>	BOTANY	6	FB	2
<u>16484</u>	HUMAN BEHAVIOUR AND THE ENVIRONMENT	6	OB	2

SECOND YEAR

Code	Subject	Credits	Type	Semester
<u>16485</u>	ECOLOGY	9	OB	Annual
<u>16486</u>	ENVIRONMENTAL LAW	9	OB	Annual
<u>16487</u>	PHYSICS	6	FB	1
<u>16488</u>	ECONOMY AND THE ENVIRONMENT	6	FB	1
<u>16489</u>	MICROBIOLOGY	6	OB	1
<u>16490</u>	METEOROLOGY AND CLIMATOLOGY	6	OB	2
<u>16491</u>	PEDOLOGY	6	OB	2
<u>16492</u>	GEOGRAPHICAL INFORMATION SYSTEMS	6	OB	2
<u>16493</u>	INSTRUMENTAL TECHNIQUES FOR ENVIRONMENTAL SCIENCES	6	OB	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
<u>16494</u>	ENVIRONMENTAL POLLUTION PROCESSES AND EVALUATION METHODOLOGIES	9	OB	Annual
<u>16495</u>	ENVIRONMENTAL POLICIES AND MANAGEMENT IN THE ADMINISTRATION AND THE ENTERPRISE	9	OB	Annual
<u>16496</u>	BASIS OF ENVIRONMENTAL ENGINEERING	6	OB	1
<u>16497</u>	APPLIED STATISTICS FOR ENVIRONMENTAL SCIENCES	6	OB	1
	OPTIONAL SUBJECT	6	OP	1
<u>16498</u>	ECOLOGY AND MANAGEMENT OF NATURAL RESOURCES	6	OB	2
<u>16499</u>	SOIL DEGRADATION AND CONSERVATION	6	OB	2
<u>16500</u>	LAND PLANNING AND THE ENVIRONMENT	6	OB	2
	OPTIONAL SUBJECT	6	OP	2

FOURTH YEAR

Code	Subject	Credits	Type	Semester
<u>16501</u>	ENVIRONMENTAL REMEDIATION TECHNOLOGIES	9	OB	Annual
<u>16502</u>	LAND PLANNING AND THE ENVIRONMENT	9	OB	Annual
<u>16503</u>	PROJECT PLANNING AND MANAGEMENT	6	OB	1
	OPTIONAL SUBJECTS	12	OP	1
<u>16504</u>	END-OF-DEGREE PROJECT	6	TFG	2
	OPTIONAL SUBJECTS	18	OP	2

OPTIONAL SUBJECTS

ROUTE: ENVIRONMENTAL TECHNOLOGY

Code	Subject	Credits	Type	Semester
16505	WASTE MANAGEMENT	6	OP	3 - 1
16506	ENVIRONMENTAL PHOTOCHEMISTRY	6	OP	3 - 2
16509	BIOTECHNOLOGY: ENVIRONMENTAL ANALYSIS AND BIOREMEDIATION I	6	OP	4 - 1
16510	ORGANIC COMPOUNDS AND THE ENVIRONMENT	6	OP	4 - 2
16511	ENERGY AND THE ENVIRONMENT	6	OP	4 - 2
16512	BIOTECHNOLOGY: ENVIRONMENTAL ANALYSIS AND BIOREMEDIATION II	6	OP	4 - 2
16507	INDUSTRIAL AND AGRICULTURAL INORGANIC MATERIALS: NATURAL RESOURCES, LIFE CYCLES AND THE ENVIRONMENT(*)	6	OP	
16508	RADIATION AND THE ENVIRONMENT(*)	6	OP	

(*) Subject not offered in 2020-2021

ROUTE: ENVIRONMENTAL MANAGEMENT AND SUSTAINABLE DEVELOPMENT

Code	Subject	Credits	Type	Semester
16516	PLANNING AND MANAGEMENT OF PROTECTED AREAS	6	OP	4 - 1
16517	CROSS-DISCIPLINARY SEMINAR ON HUMAN DEVELOPMENT AND THE ENVIRONMENT	6	OP	4 - 1
16518	RURAL DEVELOPMENT ANALYSIS, PLANNING AND MANAGEMENT	6	OP	4 - 2
16519	ENVIRONMENTAL HAZARD ASSESSMENT AND MANAGEMENT	6	OP	4 - 2
16520	ENVIRONMENTAL INTERPRETATION AND EDUCATION	6	OP	4 - 2
16513	HUMAN ECOLOGY(*)	6	OP	
16514	ENVIRONMENTAL PERCEPTION (*)	6	OP	
16515	ENVIRONMENTAL PUBLIC ECONOMICS AND NATURAL RESOURCE ECONOMICS (*)	6	OP	

(*) Subject not offered in 2020-2021

ROUTE: ECOSYSTEM MANAGEMENT AND RESTORATION

Code	Subject	Credits	Type	Semester
16521	GEOBOTANY (PHYTOSOCIOLOGY)	6	OP	3 - 1
16522	GEOLOGY LAB: ANALYSIS AND EVALUATION OF GEOLOGICAL MATERIALS, AND LANDFORMS	6	OP	3 - 2
16523	LANDSCAPE EVALUATION AND MANAGEMENT	6	OP	4 - 1
16524	HYDROLOGY AND WATER MANAGEMENT	6	OP	4 - 1
16525	SPECIES CONSERVATION	6	OP	4 - 2
16526	BASIS OF LIMNOLOGY	6	OP	4 - 2
16527	RESTORATION ECOLOGY	6	OP	4 - 2

ADVANCED CROSS ITINERARY YEARS

Code	Subject	Credits	Type	Semester
<u>16528</u>	ANIMAL PHYSIOLOGY	6	OP	3 - 1
<u>16529</u>	GEOSPATIAL TECHNOLOGIES FOR ENVIRONMENTAL SCIENCES	6	OP	3 - 2
<u>16530</u>	ENVIRONMENTAL PLANT PHYSIOLOGY	6	OP	4 - 2
<u>16531</u>	ASSESSMENT AND IMPLEMENTATION OF PUBLIC POLICIES	6	OP	4 - 2
16532	MODELLING OF ENVIRONMENTAL SYSTEMS (*)	6	OP	

(*) Subjects not offered in 2020-2021.