

## BIOLOGY DEGREE

Centre [\(see\)](#)

ECTS CREDITS	
Basic training (FB)	66
Compulsory (OB)	114
Optional (OP)	48
End-of-degree Project (TFG)	12
<b>Total</b>	<b>240</b>



**CLICK ON THE CODE OF EACH SUBJECT TO ACCESS THE COURSE HANDBOOK**

### FIRST YEAR

Code	Subject	Credits	Type	Semester
<a href="#">16300</a>	PHYSICS	9	FB	Annual
<a href="#">16302</a>	CHEMISTRY	12	FB	Annual
<a href="#">16303</a>	GEOLOGY	9	FB	Annual
<a href="#">16304</a>	ZOOLOGY	12	OB	Annual
<a href="#">16305</a>	APPLIED CELL BIOLOGY	12	FB	Annual
<a href="#">16301</a>	MATHEMATICS	6	FB	1

### SECOND YEAR

Code	Subject	Credits	Type	Semester
<a href="#">16308</a>	BOTANY	12	OB	Annual
<a href="#">16309</a>	MICROBIOLOGY	12	OB	Annual
<a href="#">16310</a>	BIOCHEMISTRY	12	FB	Annual
<a href="#">16306</a>	STATISTICS	6	FB	1
<a href="#">16311</a>	HISTORY OF BIOLOGY AND EVOLUTION	6	OB	1
<a href="#">16307</a>	DATA ANALYSIS	6	OB	2
	OPTIONAL SUBJECT	6	OP	2

### THIRD YEAR

Code	Subject	Credits	Type	Semester
<a href="#">16312</a>	ANIMAL PHYSIOLOGY	12	OB	Annual
<a href="#">16313</a>	PLANT PHYSIOLOGY	12	OB	Annual
<a href="#">16314</a>	ECOLOGY	12	OB	Annual
<a href="#">16315</a>	GENETICS	12	OB	Annual
<a href="#">16316</a>	ADVANCED LABORATORY	6	OB	Annual
	OPTIONAL SUBJECT	6	OP	1

## FOURTH YEAR

Code	Subject	Credits	Type	Semester
16317	END-OF-DEGREE PROJECT	12	TFG	Annual
16319	INTEGRATED LABORATORY	6	OB	Annual
16318	PROJECT DESIGN AND MANAGEMENT	6	OB	1
	OPTIONAL SUBJECTS	36	OP	1 or 2

## OPTIONAL SUBJECTS

Code	Subject	Credits	Type	Semester
16320	APPLIED CELL BIOLOGY <sup>3</sup>	6	OP	1
16323	HUMAN POPULATIONS BIOLOGY <sup>2</sup>	6	OP	1
16325	HUMAN ECOLOGY <sup>1</sup>	6	OP	1
16330	ENVIRONMENTAL ASSESSMENT <sup>1</sup>	6	OP	1
16332	ENVIRONMENTAL PLANT PHYSIOLOGY <sup>1,2,3</sup>	6	OP	1
16334	EVOLUTIONARY GENETICS <sup>2,3</sup>	6	OP	1
16335	MOLECULAR GENETICS <sup>3</sup>	6	OP	1
16336	PLANT GEOGRAPHY <sup>1,2</sup>	6	OP	1
16337	IMMUNOLOGY <sup>3</sup>	6	OP	1
16338	IBERIAN FLORA <sup>2</sup>	6	OP	1
16339	LIMNOLOGY <sup>1</sup>	6	OP	1
16344	PALEOZOOLOGY <sup>2</sup>	6	OP	1
16346	APPLIED ZOOLOGY <sup>2</sup>	6	OP	1
16321	CONSERVATION BIOLOGY <sup>1,2</sup>	6	OP	2
16322	BEHAVIORAL BIOLOGY	6	OP	2
16324	APPLIED PLANT BIOLOGY <sup>2</sup>	6	OP	2
16326	MICROBIAL ECOLOGY <sup>1</sup>	6	OP	2
16327	ECOLOGY OF NATURAL RESOURCES <sup>1</sup>	6	OP	2
16328	EDAPHOLOGY	6	OP	2
16329	PRINCIPLES OF EMBRYOLOGY	6	OP	2
16331	ENVIRONMENTAL ANIMAL PHYSIOLOGY <sup>1,2,3</sup>	6	OP	2
16333	PRINCIPLES OF ANTHROPOLOGY	6	OP	2
16340	MOLECULAR NEUROBIOLOGY <sup>3</sup>	6	OP	2
16341	COMPARATIVE NEUROPHYSIOLOGY <sup>2,3</sup>	6	OP	2
16342	GENOMES ORGANIZATION AND FUNCTION <sup>3</sup>	6	OP	2
16343	PALEOBIOLOGY	6	OP	2
16345	ENVIRONMENTAL SYSTEMS <sup>1</sup>	6	OP	2
16347	EXTERNAL PRACTICAL <sup>1,2,3</sup>	6	OP	1 or 2

The numbered optional subjects are given in the third and fourth courses. The number is in reference with a concrete learning route, but at least some of the optional subjects can be given in several routes. It is not compulsory to follow just a concrete learning route.

### LEARNING ROUTES:

1. ECOLOGY
2. EVOLUTIONARY BIOLOGY AND BIODIVERSITY
3. CELL BIOLOGY AND GENETICS

CENTRE

**Faculty of Sciences**

C/ Darwin, 2

Campus de Cantoblanco

28049 – Madrid

Phone: +34 914978264

[Web page](#) ↗