

BIOLOGY DEGREE

Centre [\(see\)](#)

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



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

FIRST YEAR

Code	Subject	Credits	Type	Semester
16300	PHYSICS	9	FB	Annual
16302	CHEMISTRY	12	FB	Annual
16303	GEOLOGY	9	FB	Annual
16304	ZOOLOGY	12	OB	Annual
16305	APPLIED CELL BIOLOGY	12	FB	Annual
16301	MATHEMATICS	6	FB	1

SECOND YEAR

Code	Subject	Credits	Type	Semester
16308	BOTANY	12	OB	Annual
16309	MICROBIOLOGY	12	OB	Annual
16310	BIOCHEMISTRY	12	FB	Annual
16306	STATISTICS	6	FB	1
16311	HISTORY OF BIOLOGY AND EVOLUTION	6	OB	1
16307	DATA ANALYSIS	6	OB	2
	OPTIONAL	6	OP	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
16312	ANIMAL PHYSIOLOGY	12	OB	Annual
16313	PLANT PHYSIOLOGY	12	OB	Annual
16314	ECOLOGY	12	OB	Annual
16315	GENETICS	12	OB	Annual
16316	ADVANCED LABORATORY	6	OB	Annual
	OPTIONAL	6	OP	1

FOURTH YEAR

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

OPTIONAL SUBJECTS

Code	Subject	Credits	Type	Semester
<u>16320</u>	APPLIED CELL BIOLOGY ³	6	OP	1
<u>16323</u>	HUMAN POPULATIONS BIOLOGY ²	6	OP	1
<u>16325</u>	HUMAN ECOLOGY ¹	6	OP	1
<u>16330</u>	ENVIRONMENTAL ASSESSMENT ¹	6	OP	1
<u>16332</u>	ENVIRONMENTAL PLANT PHYSIOLOGY ¹²³	6	OP	1
<u>16334</u>	EVOLUTIONARY GENETICS ²³	6	OP	1
<u>16335</u>	MOLECULAR GENETICS ³	6	OP	1
<u>16336</u>	PLANT GEOGRAPHY ¹²	6	OP	1
<u>16337</u>	IMMUNOLOGY ³	6	OP	1
<u>16338</u>	IBERIAN FLORA ²	6	OP	1
<u>16339</u>	LIMNOLOGY ¹	6	OP	1
<u>16344</u>	PALEOZOOLOGY ²	6	OP	1
<u>16346</u>	APPLIED ZOOLOGY ²	6	OP	1
<u>16321</u>	CONSERVATION BIOLOGY ¹²	6	OP	2
<u>16322</u>	BEHAVIORAL BIOLOGY	6	OP	2
<u>16324</u>	APPLIED PLANT BIOLOGY ²	6	OP	2
<u>16326</u>	MICROBIAL ECOLOGY ¹	6	OP	2
<u>16327</u>	ECOLOGY OF NATURAL RESOURCES ¹	6	OP	2
<u>16328</u>	EDAPHOLOGY	6	OP	2
<u>16329</u>	PRINCIPLES OF EMBRYOLOGY	6	OP	2
<u>16331</u>	ENVIRONMENTAL ANIMAL PHYSIOLOGY ¹²³	6	OP	2
<u>16333</u>	PRINCIPLES OF ANTHROPOLOGY	6	OP	2
<u>16340</u>	MOLECULAR NEUROBIOLOGY ³	6	OP	2
<u>16341</u>	COMPARATIVE NEUROPHYSIOLOGY ²³	6	OP	2
<u>16342</u>	GENOMES ORGANIZATION AND FUNCTION ³	6	OP	2
<u>16343</u>	PALEOBIOLOGY	6	OP	2
<u>16345</u>	ENVIRONMENTAL SYSTEMS ¹	6	OP	2
<u>16347</u>	EXTERNAL PRACTICAL ¹²³	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: 914978264
[Web page](#) ↗