



Universidad Autónoma  
de Madrid

## BIOLOGY DEGREE

### ACADEMIC YEAR 2020/2021

Studies Biology Degree

Centre Faculty of Sciences  
C/ Darwin, 2  
Campus de Cantoblanco  
28049 – Madrid  
Phone: 914978264

[Web page](#) ↗

Knowledge Branch Science

ECTS Credits 240

#### ECTS CREDITS

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

### FIRST YEAR

Code	Subject	Credits	Type	Semester
<u>16300</u>	PHYSICS	9	FB	Annual
<u>16302</u>	CHEMISTRY	12	FB	Annual
<u>16303</u>	GEOLOGY	9	FB	Annual
<u>16304</u>	ZOOLOGY	12	OB	Annual



Universidad Autónoma  
de Madrid

Code	Subject	Credits	Type	Semester
<u>16305</u>	APPLIED CELL BIOLOGY	12	FB	Annual
<u>16301</u>	MATHEMATICS	6	FB	1

## SECOND YEAR

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

## THIRD YEAR

Code	Subject	Credits	Type	Semester
<u>16312</u>	ANIMAL PHYSIOLOGY	12	OB	Annual
<u>16313</u>	PLANT PHYSIOLOGY	12	OB	Annual
<u>16314</u>	ECOLOGY	12	OB	Annual
<u>16315</u>	GENETICS	12	OB	Annual
<u>16316</u>	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 o 2

## OPTIONAL SUBJECTS

Code	Subject	Credits	Type	Semester
<u>16320</u>	APPLIED CELL BIOLOGY <sup>3</sup>	6	OP	1
<u>16323</u>	HUMAN POPULATIONS BIOLOGY <sup>2</sup>	6	OP	1
<u>16325</u>	HUMAN ECOLOGY <sup>1</sup>	6	OP	1
<u>16330</u>	ENVIRONMENTAL ASSESSMENT <sup>1</sup>	6	OP	1
<u>16332</u>	ENVIRONMENTAL PLANT PHYSIOLOGY <sup>1,2,3</sup>	6	OP	1
<u>16334</u>	EVOLUTIONARY GENETICS <sup>2,3</sup>	6	OP	1
<u>16335</u>	MOLECULAR GENETICS <sup>3</sup>	6	OP	1



Universidad Autónoma  
de Madrid

Code	Subject	Credits	Type	Semester
<u>16336</u>	PLANT GEOGRAPHY <sup>1 2</sup>	6	OP	1
<u>16337</u>	IMMUNOLOGY <sup>3</sup>	6	OP	1
<u>16338</u>	IBERIAN FLORA <sup>2</sup>	6	OP	1
<u>16339</u>	LIMNOLOGY <sup>1</sup>	6	OP	1
<u>16344</u>	PALEOZOOLOGY <sup>2</sup>	6	OP	1
<u>16346</u>	APPLIED ZOOLOGY <sup>2</sup>	6	OP	1
<u>16321</u>	CONSERVATION BIOLOGY <sup>1 2</sup>	6	OP	2
<u>16322</u>	BEHAVIORAL BIOLOGY	6	OP	2
<u>16324</u>	APPLIED PLANT BIOLOGY <sup>2</sup>	6	OP	2
<u>16326</u>	MICROBIAL ECOLOGY <sup>1</sup>	6	OP	2
<u>16327</u>	ECOLOGY OF NATURAL RESOURCES <sup>1</sup>	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 <sup>1 2 3</sup>	6	OP	2
<u>16333</u>	PRINCIPLES OF ANTHROPOLOGY	6	OP	2
<u>16340</u>	MOLECULAR NEUROBIOLOGY <sup>3</sup>	6	OP	2
<u>16341</u>	COMPARATIVE NEUROPHYSIOLOGY <sup>2 3</sup>	6	OP	2
<u>16342</u>	GENOMES ORGANIZATION AND FUNCTION <sup>3</sup>	6	OP	2
<u>16343</u>	PALEOBIOLOGY	6	OP	2
<u>16345</u>	ENVIRONMENTAL SYSTEMS <sup>1</sup>	6	OP	2
<u>16347</u>	EXTERNAL PRACTICAL <sup>1 2 3</sup>	6	OP	1 o 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