



Universidad Autónoma
de Madrid

SCIENCES DEGREE

ACADEMIC YEAR 2020/2021 (1st year)

Studies

Sciences Degree

**Universidad Autónoma de Barcelona
Universidad Autónoma de Madrid
Universidad Carlos III de Madrid**

Knowledge Branch

Sciences

Universities

First Year:

1st semester: [Universidad Autónoma de Madrid](#)

2nd semester: [Universidad Carlos III de Madrid](#)

Second Year:

1st semester: [Universidad Autónoma de Barcelona](#)

2nd semester: [Universidad Autónoma de Barcelona](#)

[Universidad Autónoma de Madrid](#) and [Universidad](#)

[Carlos III de Madrid](#)

Third and Fourth Year: [Universidad Autónoma de](#)

[Barcelona](#) [Universidad Autónoma de Madrid](#) and

[Universidad Carlos III de Madrid](#)

Centre in the Universidad Autónoma de Madrid:

Faculty of Sciences

C/ Francisco Tomás y Valiente, 7

28049 Cantoblanco, Madrid

Teléfono: 914974329

[Web page](#)

ECTS Credits

240



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ECTS CREDITS	
Basic training (FB)	72
Compulsory (OB)	42
Optional (OP)	114
End-of-degree Project (TFG)	12
Total	240

FIRST YEAR

1st semester: UAM

Code	Subject	Credits	Type	Semester
19642	SCIENCE AND SOCIETY IN THE XXI CENTURY	6	OB	1
19643	CALCULUS	6	FB	1
19644	GENERAL CHEMISTRY	6	FB	1
19645	BIOLOGY	6	FB	1
19646	GEOLOGY	6	FB	1

2nd semester: UC3M

Code	Subject	Credits	Type	Semester
19647	LOGIC AND PHILOSOPHY OF SCIENCE	6	OB	2
19648	ALGEBRA	6	FB	2
19649	MECHANICS AND THERMODYNAMICS	6	FB	2
19650	ORGANIC CHEMISTRY	6	FB	2
19651	COMPUTER TECHNIQUES AND DATABASES	6	FB	2

SECOND YEAR IMPLANTATION: YEAR 2021/2022

1st semester: UAB

Code	Subject	Credits	Type	Semester
19652	SCIENCE COMMUNICATION AND DISSEMINATION	6	OB	1
19653	DIFFERENTIAL EQUATIONS	6	FB	1
19654	ELECTRICITY, ELECTROMAGNETISM AND OPTICS	6	FB	1
19655	BIOLOGY OF ORGANISM AND SYSTEMS	6	FB	1
19656	ENVIRONMENTAL GEOLOGY	6	FB	1

2nd semester: UAM-UC3M

Code	Subject	Credits	Type	Semester
19657	HISTORY OF SCIENCE	6	OB	2
19658	STATISTICS	6	OB	2
19659	BIOCHEMISTRY	6	OB	2
	ELECTIVE SUBJECT TYPE A	6	OP	2
	ELECTIVE SUBJECT TYPE A	6	OP	2



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THIRD YEAR: UAB-UAM-UC3M IMPLANTATION: YEAR 2022/2023

Code	Subject	Credits	Type	Semester
	ELECTIVE SUBJECT TYPE B	30	OP	1
	ELECTIVE SUBJECT TYPE B	30	OP	2

FOURTH YEAR: UAB-UAM-UC3M IMPLANTATION: YEAR 2023/2024

Code	Subject	Credits	Type	Semester
19660	MANAGEMENT AND ASSESSMENT OF SCIENCE	6	OB	1
	ELECTIVE SUBJECT TYPE B	24	OP	1
	ELECTIVE SUBJECT TYPE B	18	OP	2
19661	FINAL DEGREE PROJECT	12	OB	2

OPTIONAL SUBJECTS

BIOSCIENCE SPECIALTY MINOR

OPTIONAL SUBJECTS A

Code	Subject	Credits	Type	Semester
19662	MODERN PHYSICS	6	OP	2
19663	GENES AND ENVIRONMENT	6	OP	2
19664	MODELIZATION	6	OP	2

OPTIONAL SUBJECTS B

Code	Subject	Credits	Type	Semester
19665	MOLECULAR GENETICS	6	OP	
19666	BIOMACROMOLECULES	6	OP	
19667	CITOLOGY AND HISTOLOGY	6	OP	
19668	PHYSIOLOGY	6	OP	
19669	METABOLISM	6	OP	
19670	BIOPHYSICS	6	OP	
19671	BIOCHEMICAL METHODOLOGY	6	OP	

EARTH AND ENVIRONMENTAL SCIENCE SPECIALTY MINOR

OPTIONAL SUBJECTS A

Code	Subject	Credits	Type	Semester
19672	MATERIALS SCIENCE	6	OP	2
19663	GENES AND ENVIRONMENT	6	OP	2
19664	MODELIZATION	6	OP	2



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OPTIONAL SUBJECTS B

Code	Subject	Credits	Type	Semester
19675	APPLIED ECOLOGY	6	OP	
19676	BIOLOGICAL DIVERSITY	6	OP	
19677	ENVIRONMENTAL TECHNOLOGY	6	OP	
19678	ANALYSIS OF THE BIOLOGICAL MEDIUM	6	OP	
19679	ANALYSIS OF THE PHYSICAL MEDIUM	6	OP	
19680	NATURAL RESOURCES AND ENERGY SOURCES	6	OP	
19681	GEOSCIENCES	6	OP	

SCIENCE AND TECHNOLOGY SPECIALTY MINOR

OPTIONAL SUBJECTS A

Code	Subject	Credits	Type	Semester
19672	MATERIALS SCIENCE	6	OP	2
19683	SETS AND NUMBERS	6	OP	2
19662	MODERN PHYSICS	6	OP	2
19664	MODELIZATION	6	OP	2

OPTIONAL SUBJECTS B

Code	Subject	Credits	Type	Semester
19686	NUMERICAL METHODS	6	OP	
19687	QUANTUM PHENOMENA	6	OP	
19688	STRUCTURE OF MATTER	6	OP	
19689	ENERGY TECHNOLOGY	6	OP	
19690	ELECTRICAL TECHNOLOGY	6	OP	
19691	ELECTRONIC TECHNOLOGY	6	OP	
19677	ENVIRONMENTAL TECHNOLOGY			

ELECTIVE SUBJECTS OUT OF SPECIALTY MINOR

Code	Subject	Credits	Type	Semester
19693	PROFESSIONAL INTERNSHIPS	12	PE	2