

MATHEMATICS DEGREE

Centre [\(see\)](#)

ECTS CREDITS	
Basic training (FB)	78
Compulsory (OB)	78
Optional (OP)	72
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
16434	CALCULUS I	9	FB	1
16435	LINEAR ALGEBRA I	9	FB	1
16436	SETS AND NUMBERS	9	FB	1
16437	CALCULUS II	9	FB	2
20564	LINEAR GEOMETRY	9	FB	2
20565	DISCRETE MATHEMATICS	9	FB	2
16440	LABORATORY	6	FB	Annual

SECOND YEAR

Code	Subject	Credits	Type	Semester
16441	ANALYSIS	9	OB	1
16446	PROBABILITY I	6	FB	1
20566	TOPOLOGY	9	OB	1
20567	ALGEBRA I	6	OB	1
20568	NUMERICAL ANALYSIS	6	FB	2
20569	MATHEMATICAL MODELS OF PHYSICS	6	FB	2
20570	ALGEBRA II	6	OB	2
20571	GEOMETRY OF CURVES AND SURFACES	6	OB	2
20572	ORDINARY DIFFERENTIAL EQUATIONS	6	OB	2

THIRD YEAR

Code	Subject	Credits	Type	Semester
	OPTIONAL SUBJECTS	12	OP	1
16453	DIFFERENTIAL GEOMETRY	6	OB	1

Code	Subject	Credits	Type	Semester
<u>16457</u>	INTEGRATION AND MEASURE THEORY	6	OB	1
<u>20573</u>	NUMERICAL ANALYSIS II	6	OB	1
	OPTIONAL SUBJECTS	12	OP	2
<u>16448</u>	STATISTICS I	6	OB	2
<u>16449</u>	COMPLEX ANALYSIS I	6	OB	2
<u>16452</u>	PARTIAL DIFFERENTIAL EQUATIONS	6	OB	2

FOURTH YEAR

Code	Subject	Credits	Type	Semester
	OPTIONAL SUBJECTS	48	OP	1 and 2
<u>16451</u>	END-OF-DEGREE PROJECT	12	TFG	Annual

OPTIONAL SUBJECTS

(RECOMMENDED FOR THIRD OR FOURTH YEAR)

Code	Subject	Credits	Type	Semester
<u>16450</u>	MODELIZATION	6	OP	1
<u>16458</u>	COMMUTATIVE ALGEBRA	6	OP	1
<u>16465</u>	HISTORY OF MATHEMATICS	6	OP	1
<u>16466</u>	OPERATION RESEARCH	6	OP	1
<u>16471</u>	CRYPTOGRAPHY AND CODING THEORY	6	OP	1
<u>20575</u>	ADVANCED GEOMETRY AND TOPOLOGY	6	OP	2
<u>20576</u>	NUMBER THEORY	6	OP	2
<u>16455</u>	PROBABILITY II	6	OP	2
<u>16461</u>	MATHEMATICAL ECONOMY AND FINANCES	6	OP	2
<u>16467</u>	LOGIC	6	OP	2

(RECOMMENDED FOR FOURTH YEAR)

Code	Subject	Credits	Type	Semester
<u>20581</u>	EXTERNAL PRACTICAL	6	OP	Annual
<u>20582</u>	EXTERNAL PRACTICAL	6	OP	Annual
<u>16459</u>	FUNCTIONAL ANALYSIS	6	OP	1
<u>16462</u>	STATISTICS II	6	OP	1
<u>16473</u>	REAL ANALYSIS	6	OP	1
<u>20577</u>	ADVANCED NUMERICAL ANALYSIS	6	OP	1
<u>16472</u>	COMPLEX ANALYSIS II	6	OP	2
<u>20578</u>	ADVANCED PARTIAL DIFFERENTIAL EQUATIONS	6	OP	2
<u>20579</u>	MATHEMATICS FOR MACHING LEARNING	6	OP	2
<u>20580</u>	ADVANCED MATHEMATICS SEMINAR	6	OP	2



Universidad Autónoma
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ACADEMIC YEAR 2025/2026

CENTRE

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