

## MATHEMATICS DEGREE

### Institutional Accreditation



ECTS CREDITS	
Basic training (FB)	78
Compulsory (OB)	78
Optional (OP)	72
End-of-degree Project (TFG)	12
<b>Total</b>	<b>240</b>

Centre ([see](#))



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

### FIRST YEAR

Code	Subject	Credits	Type	Semester
<a href="#">16434</a>	CALCULUS I	9	FB	1
<a href="#">16435</a>	LINEAR ALGEBRA I	9	FB	1
<a href="#">16436</a>	SETS AND NUMBERS	9	FB	1
<a href="#">16437</a>	CALCULUS II	9	FB	2
<a href="#">20564</a>	LINEAR GEOMETRY	9	FB	2
<a href="#">20565</a>	DISCRETE MATHEMATICS	9	FB	2
<a href="#">16440</a>	LABORATORY	6	FB	Annual

### SECOND YEAR

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

### THIRD YEAR

Code	Subject	Credits	Type	Semester
	OPTIONAL SUBJECTS	12	OP	1
<u>16453</u>	DIFFERENTIAL GEOMETRY	6	OB	1
<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>20790</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 2026/2027

CENTRE

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[Web page](#) ↗