

## DOBLE GRADO FISMAT (2024-25)

<b>Código:</b> C050	<b>Fecha de aprobación:</b> 01/01/3000	<b>Precio:</b> 14,03 1st-registration credits
<b>Créditos:</b> 360	<b>Título:</b> Undergraduate 3-5 years (ECTS)	

### RAMA

Sciences

### PLAN

DOUBLE DEGREE IN PHYSICS AND MATHEMATICS

### TIPO DE ENSEÑANZA

Face-to-face

### CENTROS DONDE SE IMPARTE

Faculty of Science

### ESTUDIO IMPARTIDO CONJUNTAMENTE CON

Solo se imparte en esta universidad

### FECHAS DE EXAMEN

[Acceda al listado de fechas de examen para esta titulación.](#)

## PLAN DE ESTUDIOS OFERTADO EN EL CURSO 2024-25

Leyenda: No ofertada Sin docencia

### FIRST YEAR

#### CORE SUBJECT 60 créditos

Curso	Título	Créditos	Subject
1	CORE	6	<a href="#">25011 - LINEAR ALGEBRA I</a>
1	CORE	6	<a href="#">25012 - REAL VARIABLE ANALYSIS I</a>
1	CORE	6	<a href="#">25013 - BASIC MATHEMATICS I</a>
1	CORE	6	<a href="#">25017 - INTRODUCTION TO STATISTICS</a>
1	CORE	6	<a href="#">25043 - BASIC MATHEMATICS II</a>
1	CORE	6	<a href="#">26200 - PHYSICS I</a>
1	CORE	6	<a href="#">26201 - PHYSICS II</a>
1	CORE	6	<a href="#">26206 - CHEMISTRY</a>
1	CORE	6	<a href="#">26250 - INTRODUCTION TO THE EXPERIMENTATION IN PHYSICS</a>
1	CORE	6	<a href="#">26251 - LABORATORIO DE MATEMÁTICAS</a>

#### COMPULSORY SUBJECT 12 créditos

Curso	Título	Créditos	Subject
1	COMPULSORY	6	<a href="#">25015 - REAL VARIABLE ANALYSIS II</a>
1	COMPULSORY	6	<a href="#">25016 - LINEAR ALGEBRA II</a>

### SECOND YEAR

#### CORE SUBJECT 18 créditos

Curso	Título	Créditos	Subject
2	CORE	6	<a href="#">26202 - THERMODYNAMICS</a>
2	CORE	6	<a href="#">26246 - PHYSICS III</a>
2	CORE	6	<a href="#">26247 - COMPUTER-AIDED PHYSICS</a>

#### COMPULSORY SUBJECT 54 créditos

Curso	Título	Créditos	Subject
2	COMPULSORY	6	<a href="#">25021 - REAL ANALYSIS OF SEVERAL VARIABLES I</a>
2	COMPULSORY	6	<a href="#">25022 - BASIC TOPOLOGY</a>
2	COMPULSORY	6	<a href="#">25023 - LINEAR GEOMETRY</a>
2	COMPULSORY	6	<a href="#">25026 - PROBABILITY THEORY</a>
2	COMPULSORY	6	<a href="#">25027 - LINEAR PROGRAMMING</a>
2	COMPULSORY	6	<a href="#">25028 - REAL ANALYSIS OF SEVERAL VARIABLES II</a>
2	COMPULSORY	6	<a href="#">25029 - CURVES AND SURFACES</a>
2	COMPULSORY	6	<a href="#">26232 - ELECTROMAGNETISM I</a>
2	COMPULSORY	6	<a href="#">26240 - EXPERIMENTAL TECHNIQUES I</a>

### THIRD YEAR

#### COMPULSORY SUBJECT 72 créditos

Curso	Título	Créditos	Subject
3	COMPULSORY	6	<a href="#">25024 - ANALYTICAL METHODS FOR ODE</a>
3	COMPULSORY	6	<a href="#">25030 - ANALYSIS OF COMPLEX VARIABLES</a>
3	COMPULSORY	6	<a href="#">25031 - ADVANCED TOPOLOGY</a>
3	COMPULSORY	6	<a href="#">25034 - ALGEBRAIC STRUCTURES</a>
3	COMPULSORY	6	<a href="#">25036 - GLOBAL SURFACE THEORY</a>
3	COMPULSORY	6	<a href="#">25037 - FUNCTIONAL ANALYSIS</a>
3	COMPULSORY	6	<a href="#">26227 - ANALYTICAL MECHANICS</a>
3	COMPULSORY	6	<a href="#">26228 - NEWTONIAN MECHANICS And RELATIVITY</a>
3	COMPULSORY	6	<a href="#">26233 - ELECTROMAGNETISM II</a>
3	COMPULSORY	6	<a href="#">26234 - OPTICS I</a>
3	COMPULSORY	6	<a href="#">26235 - OPTICS II</a>
3	COMPULSORY	6	<a href="#">26248 - NUMERICAL METHODS AND COMPUTER</a>

#### FOURTH YEAR

##### COMPULSORY SUBJECT

72 créditos

Curso	Título	Créditos	Subject
4	COMPULSORY	6	<a href="#">25032 - QUALITATIVE METHODS FOR ODE</a>
4	COMPULSORY	6	<a href="#">25033 - OPTIMISATION I</a>
4	COMPULSORY	6	<a href="#">25035 - STATISTICAL INFERENCE</a>
4	COMPULSORY	6	<a href="#">25038 - OPTIMISATION II</a>
4	COMPULSORY	6	<a href="#">25039 - ALGEBRAIC EQUATIONS</a>
4	COMPULSORY	6	<a href="#">26229 - QUANTUM MECHANICS I</a>
4	COMPULSORY	6	<a href="#">26230 - QUANTUM MECHANICS II</a>
4	COMPULSORY	6	<a href="#">26231 - STATISTICAL MECHANICS</a>
4	COMPULSORY	6	<a href="#">26238 - FUNDAMENTALS OF ASTROPHYSICS</a>
4	COMPULSORY	6	<a href="#">26241 - EXPERIMENTAL TECHNIQUES II</a>
4	COMPULSORY	6	<a href="#">26242 - EXPERIMENTAL TECHNIQUES III</a>
4	COMPULSORY	6	<a href="#">26244 - INTRODUCTION TO THE MODELLING IN PHYSICS</a>

#### FIFTH YEAR

##### COMPULSORY SUBJECT

36 créditos

Curso	Título	Créditos	Subject
5	COMPULSORY	6	<a href="#">25041 - PARTIAL DIFFERENTIAL EQUATIONS</a>
5	COMPULSORY	6	<a href="#">25042 - DATA ANALYSIS I</a>
5	COMPULSORY	6	<a href="#">26236 - NUCLEAR PHYSICS AND OF PARTICLES</a>
5	COMPULSORY	6	<a href="#">26237 - PHYSICS OF THE SOLID STATE</a>
5	COMPULSORY	6	<a href="#">26239 - RELATIVITY AND COSMOLOGY</a>
5	COMPULSORY	6	<a href="#">26243 - EXPERIMENTAL TECHNIQUES IV</a>

##### OPTIONAL SUBJECT

24 créditos

##### OPTIONAL OF PHYSICS

12 créditos

Curso	Título	Créditos	Subject
5	OPTIONAL	6	<a href="#">26208 - STELLAR ASTROPHYSICS</a>
5	OPTIONAL	6	<a href="#">26209 - MATERIAL SCIENCE</a>
5	OPTIONAL	6	<a href="#">26210 - PHYSICS OF THE EARTH AND OF THE ATMOSPHERE</a>
5	OPTIONAL	6	<a href="#">26211 - QUANTUM PHYSICS ADVANCED QUANTUM ADVANCED PHYSICS ADVANCED QUANTUM PHYSICS</a>
5	OPTIONAL	6	<a href="#">26212 - MEDICAL PHYSICS</a>
5	OPTIONAL	6	<a href="#">26213 - PHOTONICS</a>
5	OPTIONAL	6	<a href="#">26214 - COMPUTATIONAL CHEMISTRY</a>
5	OPTIONAL	6	<a href="#">26215 - EXTERNAL ACADEMIC PRACTICES</a>
5	OPTIONAL	6	<a href="#">26249 - CURRENT SUBJECTS OF THE PHYSICS</a>

##### OPTIONAL OF MATHEMATICS

12 créditos

Curso	Título	Créditos	Subject
5	OPTIONAL	6	<a href="#">25000 - TRAINEESHIP</a>
5	OPTIONAL	6	<a href="#">25050 - MEASURE THEORY</a>
5	OPTIONAL	6	<a href="#">25051 - CONVEX ANALYSIS</a>
5	OPTIONAL	6	<a href="#">25052 - GROUP THEORY</a>
5	OPTIONAL	6	<a href="#">25053 - ALGEBRAIC TOPOLOGY</a>
5	OPTIONAL	6	<a href="#">25060 - STOCHASTIC PROCESSES</a>
5	OPTIONAL	6	<a href="#">25061 - CODE THEORY</a>
5	OPTIONAL	6	<a href="#">25062 - DATA ANALYSIS II</a>
5	OPTIONAL	6	<a href="#">25063 - CRYPTOGRAPHY</a>
5	OPTIONAL	6	<a href="#">25070 - TIME SERIES</a>
5	OPTIONAL	6	<a href="#">25071 - GAME THEORY</a>

##### TFG

12 créditos

Curso	Título	Créditos	Subject
5	END OF DEGREE WORK	6	<a href="#">25499 - FINAL PROJECT</a>
5	END OF DEGREE WORK	6	<a href="#">26216 - FINAL PROJECT</a>

Superado este bloque se obtiene  
**JOINT FISMAT. DEGREE IN PHYSICS AND MATHEMATICS**