

DOBLE GRADO FISMAT (2024-25)

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

RAMA

Sciences

PLAN

DOUBLE DEGREE IN PHYSICS AND MATHEMATICS

TIPO DE ENSEÑANZA

Face-to-face

CENTROS DONDE SE IMPARTE

FACULTAT DE CIÈNCIES

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	25011 - LINEAR ALGEBRA I
1	CORE	6	25012 - REAL VARIABLE ANALYSIS I
1	CORE	6	25013 - BASIC MATHEMATICS I
1	CORE	6	25017 - INTRODUCTION TO STATISTICS
1	CORE	6	25043 - BASIC MATHEMATICS II
1	CORE	6	26200 - PHYSICS I
1	CORE	6	26201 - PHYSICS II
1	CORE	6	26206 - CHEMISTRY
1	CORE	6	26250 - INTRODUCTION TO THE EXPERIMENTATION IN PHYSICS
1	CORE	6	26251 - LABORATORIO DE MATEMÁTICAS

COMPULSORY SUBJECT 12 créditos

Curso	Título	Créditos	Subject
1	COMPULSORY	6	25015 - REAL VARIABLE ANALYSIS II
1	COMPULSORY	6	25016 - LINEAR ALGEBRA II

SECOND YEAR

CORE SUBJECT 18 créditos

Curso	Título	Créditos	Subject
2	CORE	6	26202 - THERMODYNAMICS
2	CORE	6	26246 - FPHYSICS III
2	CORE	6	26247 - COMPUTER-AIDED PHYSICS

COMPULSORY SUBJECT 54 créditos

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

THIRD YEAR

COMPULSORY SUBJECT 72 créditos

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

FOURTH YEAR

COMPULSORY SUBJECT

72 créditos

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

FIFTH YEAR

COMPULSORY SUBJECT

36 créditos

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

OPTIONAL SUBJECT

24 créditos

OPTIONAL OF PHYSICS

12 créditos

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

OPTIONAL OF MATHEMATICS

12 créditos

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

TFG

12 créditos

Curso	Título	Créditos	Subject
5	END OF DEGREE WORK	6	25499 - FINAL PROJECT
5	END OF DEGREE WORK	6	26216 - FINAL PROJECT

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