

MASTER
**Nanoscience y
Molecular Nanotechnology**

203 Academic management centre: FACULTAD DE CIENCIAS
570 Administrative management centre: ESCUELA DE DOCTORADO (ESDUVA)

Plan Code

565

PLAN DE ESTUDIOS

60 ECTS in one academic year

- 45 ECTS of compulsory subjects
- 15 ECTS de Master's Thesis

**Each student will take the Introductory Module and the Master's Thesis in the University he/she enrolled.*

Introductory Module

ECTS	SUBJECT	TYPE	TERM	CODE
6	Introduction to the Master on Molecular Nanoscience and Nanotechnology: Basic concepts	Compulsory	1st Semester	54070

Basic Module

ECTS	SUBJECT	TIPO	DURACIÓN	CODE
4,5	Fundamentals in nanoscience	Compulsory	1st Semester	54071
4,5	Physical characterization techniques	Compulsory	1st Semester	54072
3	Physical nanofabrication techniques	Compulsory	1st Semester	54073
3	Basic concepts of supramolecular chemistry	Compulsory	1st Semester	54074
6	Molecular Nanomaterials: Preparation methods, properties and applications	Compulsory	1st Semester	54075

Advanced Module

ECTS	SUBJECT	TIPO	TERM	CODE
3	Supramolecular chemistry use for preparing nanostructures and nanomaterials	Compulsory	2nd Semester	54076
4,5	Molecular electronics	Compulsory	2nd Semester	54077
4,5	Molecular nanomagnetism and spintronics	Compulsory	2nd Semester	54078
6	Current topics in molecular nanoscience and nanotechnolog	Compulsory	2nd Semester	54079

Master's Thesis

CRÉDITOS	SUBJECT	TIPO	TERM	CODE
15	Trabajo Fin de Máster	Compulsory	1 Year	54080

*A minimum B1 level in English is recommended for the student to be able to follow the curses, which are English-driven.