Double degree

Master in Numerical Methods in Engineering at Barcelona School of Civil Engineering (UPC)

Laurea Magistrale (Master's Degree) in Mathematical Engineering (UNIVERSITÀ DEGLI STUDI DI PADOVA)

Study plan / double degree itinerary consisting of 5 semesters (146 ECTS)

SEMESTER 1 (E. Camins)	**SEMESTER 2 (E. Camins)**	**SEMESTER 3 (**UNIPD)	**SEMESTER 4 (**UNIPD)
Compulsory modules: Numerical Methods for PDEs (5 ECTS) Finite Elements (5 ECTS) Continuum Mechanics (5 ECTS) Advanced fluid mechanics (5 ECTS) **Transversal compulsory modules:** Communication skills 1 (5 ECTS) Communication skills 2 (5 ECTS) Enterpreneurship (5 ECTS)	**Compulsory modules:** Computational solid mechanics (5 ECTS) Computational structural mechanics and dynamics (5 ECTS) Finite Elements in fluids (5 ECTS) Internship (15 ECTS)	**Compulsory module:** Mathematical physics I (6 ECTS) **Other elective courses of the study plan** (21 ECTS) **Transversal compulsory modules:** English (3 ECTS)	**Compulsory modules:** Mathematical physics II (6 ECTS) Numerical methods for HPC (6 ECTS) **One of the following elective modules:** Statistical Mechanics of complex systems (9 ECTS) Systems Identification & Data Analysis (9 ECTS)
			SEMESTER 5 (Camins or UNIPD)
			MASTER THESIS
35 ECTS	**30 ECTS**	**30 ECTS**	**51 ECTS (21 + 30 MASTER THESIS)**