I year			
Analytical and Stochastic Mathematical Methods for Engineering (12 CFU), I sem.	Introduction to Partial Differential Equations (9 CFU), I sem.	Numerical Methods for Differential Equations (6 CFU), I sem.	System Identification, and Data Analysis (9 CFU), II sem.
Mathematical Physics (12 CFU): - Continuum Mechanics (6 CFU), I sem. - Dynamical Systems (6 CFU), II sem.	Statistical Mechanisc of Complex Systems (9 CFU), II sem.	Numerical Methods for Continuous Systems (6 CFU), II sem.	
Stochastic methods for finance (9 CFU), II sem.	Stochastic differential equations, with numerics (9 CFU), II sem.	Scientific Computing and Object Oriented Programming (6 CFU), II sem.	
English Language B2			

Common to both curricula	Math. Meth. for Engineering and Sciences MMES	Math. Meth. for Financial Engineering MMFE

II year **Mathematical Modelling for Engineering and Science**		
Choice of two of the following three courses		
Advanced Fluid Mechanics (9 CFU), I sem.	Advanced Solid Mechanics (9 CFU), I sem.	Electromagnetism (9 CFU), I sem.
Elective* courses: at least <u>two</u> optional courses (6-ECTS each) & <u>one free</u> course (9-ECTS) (21 ECTS)		
Final Thesis (15 CFU)		

*Elective courses consist of 12 optional ECTS and 9 free ECTS.
These courses can be selected by students in accordance with academic tutor to focus their preparation towards a specific field of study. The list of possible courses is definitely wider than that reported for the sake of simplicity in "descrizione del percorso formativo" and includes topics in almost all engineering and science fields.