



## → Master Degree Course in **Mathematics**

– Department of **Mathematics and Computer Science (DEMACS)**



### Context

The Master in **Mathematics** is one of the Masters provided by the Department of Mathematics and Computer Science of Unical. It has a very long tradition, being one of the first courses of our University. Classrooms are held within the department and the Campus area offers many facilities to the students.

### Learning objectives and outcomes

The Master in **Mathematics** provides students with advanced knowledge of pure and applied mathematics, history and didactics of mathematics, and computer science. Students develop abilities in mathematical reasoning, problem solving and

mathematical modeling. Students have also many opportunities of studying abroad, one option being the Erasmus+ mobility programs. At the end of the course, graduates can be employed in several working environments like banks, I.T. companies and insurance companies. Graduates may also continue their training towards teaching mathematics and science and doing research in public and private institutes.

### Main topics

The Master in Mathematics offers courses in:  
Algebra,  
Geometry and Topology,  
Real and Functional

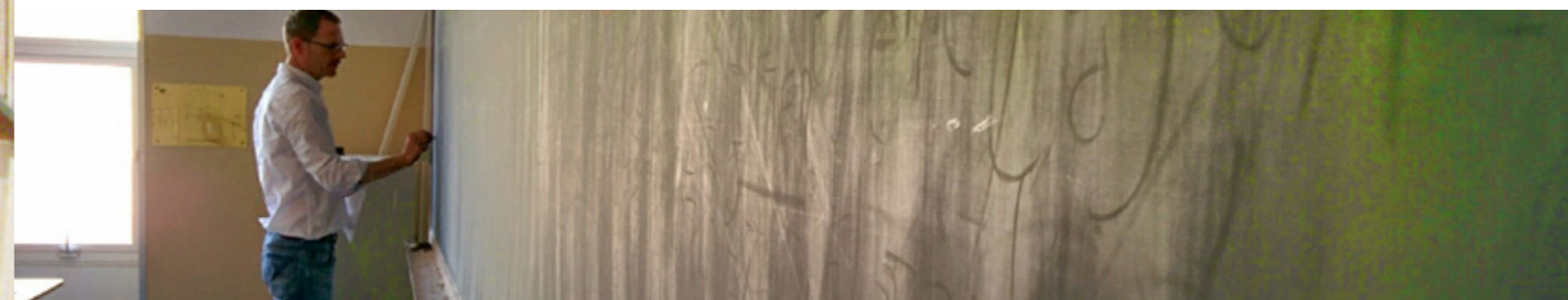
Analysis,  
Differential Equations,  
Mathematical Physics,  
Operational Research,  
Statistics,  
Numerical Analysis,  
Informatics,  
History of Mathematics and Didactics of Mathematics.

### Employability and careers

More than 90% of the graduates are employed within three years.

### Keywords

**Pure and Applied Mathematics, Didactics and History of Mathematics**



**Duration:** 2 years

**Start date:** October 1, 2021.

**Total amount of hours (number of ECTS credits):** 3000 hours (120 ECTS credits)

**Admission requirements:** Bachelor Degree in Mathematics. We also accept applications by students with a Bachelor Degree in related disciplines, provided they have adequate knowledge of Mathematics.

**For details:**

<https://www.mat.unical.it/matematica/AmmissioneMagistrale>