

INSPIRING GLOBAL CHANGE SINCE 1222

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SCHOOL OF ENGINEERING

# MATHEMATICAL ENGINEERING

The Master's degree captures the evolution of professional engineers proposing an advanced study programme that combines solid fundamental knowledge of physical processes and deep theoretical and technological competences. It provides students with a multidisciplinary high-level education, from engineering to applied mathematics. Therefore, students develop advanced skills in the field of mathematical modelling of physical or financial processes together with advanced computational engineering expertise.



UNIVERSITÀ  
DI PADOVA

# MATHEMATICAL ENGINEERING

**LEVEL** Master

**SCHOOL** Engineering

**DEPARTMENT** Civil,  
Environmental, and Architectural  
Engineering

**DURATION** 2 years (120 ECTS)

**START DATE** October

**LOCATION** Padua, Italy

**PROGRAMME COORDINATOR**  
Antonia Larese De Tetto

## WEB

[www.unipd.it/en/mathematical-engineering](http://www.unipd.it/en/mathematical-engineering)

**APPLY.UNIPD.IT**

## FINANCIAL ENGINEERING STUDY TRACK



## MATHEMATICAL MODELLING STUDY TRACK



## ENTRY REQUIREMENTS

- Bachelor's degree (or equivalent) in Engineering, Physical Sciences and Technologies, Computer Science and Technology, Mathematical Sciences with a deep knowledge in Mathematics, Physics and Statistics
- Financial Engineering path: additional criteria (e.g. exam grades or Physics, ensuring the achievement of at least 25 ECTS in Physics, Mathematics and Statistics)
- English language: B2 level (CEFR) or equivalent

## PROGRAMME STRUCTURE

Study track 1 - Mathematical Modelling for Engineering and Science

Study track 2 - Financial Engineering

## TUITION FEES AND SCHOLARSHIPS

Annual fees: up to € 2,900 (3 instalments)

Scholarships and fee-waivers for international students available:  
[www.unipd.it/en/funding-and-fees](http://www.unipd.it/en/funding-and-fees)

## CAREER OPPORTUNITIES

Graduates work as professionals within research and development centres and as company consultants in public and private structures. The fields of interest are the advanced technological sectors of civil, environmental, industrial, engineering and IT labs, financial institutions, banks, insurance companies, energy companies or consultancy companies.

**TOP150**

2025

Engineering -  
Civil and Structural Engineering



WORLD  
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BY SUBJECT