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
DEGLI STUDI
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

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FINANCIAL ENGINEERING STUDY TRACK

MATHEMATICAL MODELLING STUDY TRACK

ENTRY REQUIREMENTS
• Bachelor's degree (or equivalent) in Engineering or related fields (e.g.Mathematics)
• 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

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.