

INSPIRING GLOBAL CHANGE SINCE 1222

SCHOOL OF ENGINEERING

AEROSPACE ENGINEERING

The Master's degree programme provides key skills to fulfil management, R&D and production roles in the aerospace industry and in the many industries that provide services or supply components to it. The programme offers both strong theoretical courses and applied research-oriented teachings, preparing students to develop advanced technologies for the society of the future. Students may choose one of the two curricula provided within the programme, focusing respectively on Space and Aeronautics technologies.



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

AEROSPACE ENGINEERING

LEVEL Master

SCHOOL Engineering

DEPARTMENT Industrial Engineering

DURATION 2 years (120 ECTS)

START DATE October

LOCATION Padua, Italy

PROGRAMME COORDINATOR
Ugo Galvanetto

WEB

www.unipd.it/en/aerospace-engineering

APPLY.UNIPD.IT



ENTRY REQUIREMENTS

- Bachelor's degree (or equivalent) in Aerospace Engineering or related fields with proven skills in Mathematics, Physics, Industrial Engineering, Aerospace Systems, Aerodynamics and Flight Dynamics.
- English language: B2 level (CEFR) or equivalent

PROGRAMME STRUCTURE

Common course units: Aerospace structures, Manufacturing Technologies of Aerospace Materials, Advanced Aerodynamics.

Curriculum Space: Measurement for Space Projects, Space Propulsion, Astrodynamics, Mechanical Vibrations, Spacecraft Attitude Dynamics and Control, Space Instrumentation, Spacecraft Thermal Control.

Curriculum Aeronautics: Aircraft Propulsion, Materials for Aeronautical Engineering, Atmospheric Flight Dynamics, Aircraft Air Conditioning Systems, Structural Dynamics and Aeroelasticity, Measurements and Flight Instrumentation, Aircraft Systems.

Optional units: Space Robotic Systems, Laboratory of Computational Fluid Dynamics, Aerospace Structures Laboratory, Space Propulsion Laboratory, Laboratory of Aircraft Propulsion, Space Systems Laboratory, Space Optics Instrumentation, Modelling and Control of Electric Drives, Global Positioning and Navigation, Composite Materials.

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

Aerospace engineers work in the field of research and development, advanced design, integration and maintenance of aerospace systems. Typical employers of our graduates are international aircraft manufacturing companies, component supplier companies, national or international aerospace agencies, research centres active in the aerospace sectors. Graduates can also pursue with a PhD programme in the University or abroad.