MSc Programme

Aerospace Engineering

TU Delft is home to one of the leading academic programmes in aerospace technology in all of Europe. The Faculty of Aerospace Engineering draws upon a long history of technical excellence, innovation and teaching performance, preparing graduates to contribute to this dynamic sector with technically imaginative and commercially viable solutions.

In preparing engineers for a truly global sector, one of the goals of the programme is to train professionals to be resourceful problem solvers capable of collaborating with colleagues across cultural divides. You have abundant opportunities to work on projects and internships across the globe, taking advantage of established relationships with Schiphol Airport, the European Space Agency, the Joint Strike Fighter project and KLM, among many others. You also have the option to work as a team member on international competitions; recently, TU Delft student teams produced the fastest human-powered submarine, and Nuna 5, the solar-powered car that came second in the 2009 World Solar Challenge in Australia.

At TU Delft, you will have hands-on experience working in test and laboratory facilities unsurpassed in Europe: low-speed (35m/sec) and high-speed wind tunnels (up to Mach 11), GPS measurement stations, a Structures and Materials Laboratory, a SIMONA research flight simulator, a Cessna Citation-II flying laboratory, a collection of large and small aircraft and spacecraft parts, a Delfi Ground Station for satellite communications, and a clean room for research and training on satellites.

Programme tracks

→ **Aerodynamics and Wind Energy**

→ **Control and Operations**

→ **Space Flight**

→ **Flight Performance and Propulsion**

→ **Aerospace Structures and Materials**

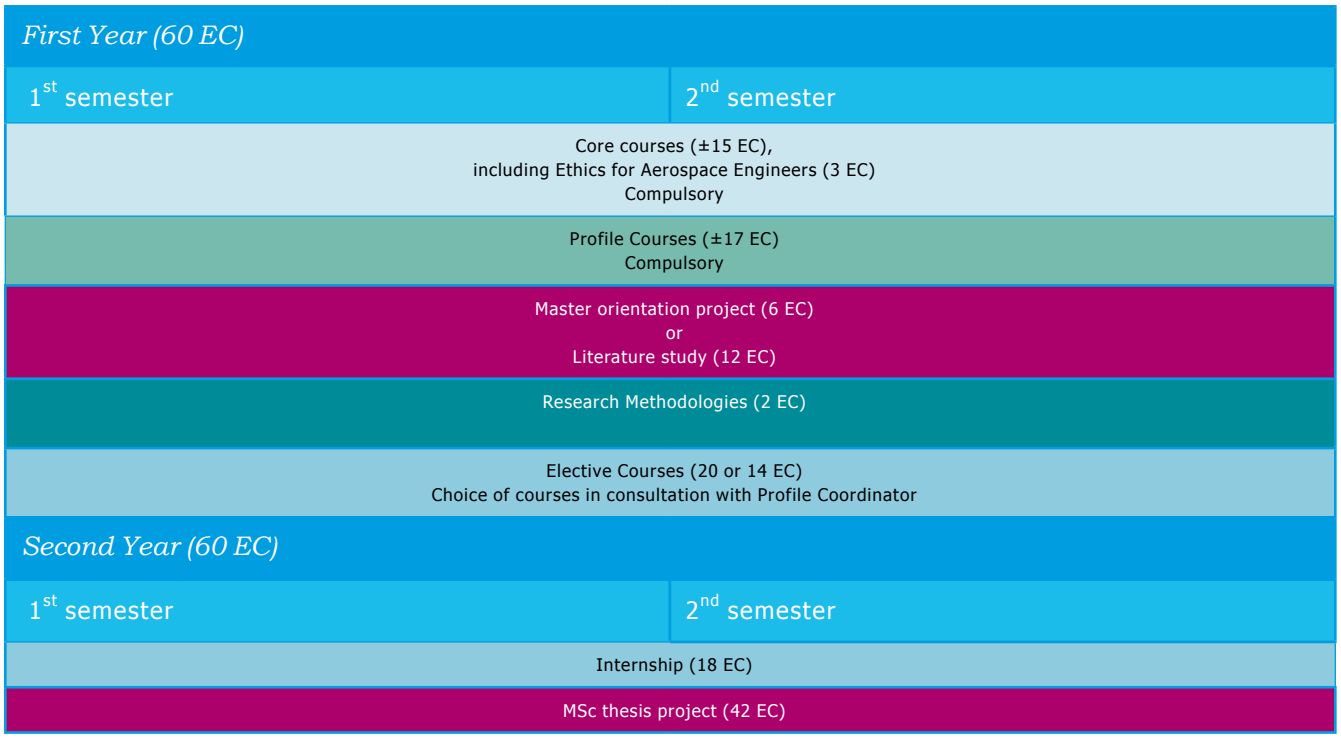
Imagine you could design the aircraft of the future - one suitable for short excursions into space

TU Delft Delft University of Technology

Challenge the future

Aerospace Engineering curriculum

At the start of your first year, you choose one of the five tracks in the programme. Each track is associated with a particular field of aerospace engineering, but draws on expertise cutting across a range of 'profiles' which themselves correspond to the areas of inquiry and investigation in research groups.



• 1 EC = 28 hrs study, according to the European Credit Transfer System (ECTS) • One academic year = 60 EC • Total amount of credits MSc programme = 120 EC

Admission requirements

- Graduates with a Bachelor degree from a Dutch University of Applied Sciences (HBO): Applicants holding a degree from a HBO in Mechanical Engineering, Marine Technology, Civil Engineering, Aeronautical Engineering, Aviation or Engineering, Design and Innovation are eligible for admission after the successful completion of a one-year bridging class.
- Belgian graduates with a Bachelor's in Industrial Sciences: Industrial Engineers in Electromechanics, Automotive Engineering or Aeronautics.
- Dutch university graduates should have a BSc in one of the following: Aerospace Engineering, Applied Physics, Civil Engineering, Electrical Engineering, Maritime Engineering or Mechanical Engineering.
- International applicants: Applicants from non-Dutch universities should meet the same requirements as graduates from Dutch universities, as well as TU Delft's general admission requirements.

Career prospects

Graduates with an MSc in Aerospace Engineering have outstanding career opportunities; 98% find fulltime work within six months. Of these graduates 40% takes a position in the aeronautics and astronautics sector with firms such as Stork, KLM, the national aerospace laboratory (NLR), TNO, EADS Space, Airbus and Boeing. About 60% find work in organizations not directly related to aerospace engineering such as Shell Oil, Philips, Ferrari, banking or consultancy companies, national defense ministries, remain in academia or start up their own firms. Aerospace engineering graduates are also contributing significantly to research on the environment.

For further information: www.ae.msc.tudelft.nl
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