

MASTER AEROSPACE ENGINEERING

TYPE DE DIPLÔME

Master (LMD)

NIVEAU D'ÉTUDE VISÉ : BAC +6

DOMAINE D'ÉTUDE : Ingénierie aéronautique et spatiale

Domaine :

Présentation

The MAE program offers students a wide choice of courses combined with research opportunities, and gives them access to some of the most innovative professors, researchers and engineers

Objectifs

Presentation :

To support its steadily growing and to maintain business competitiveness, the global aerospace industry needs high qualified engineers or researchers. Design complex aerospace systems involve multinational geographically disseminated teams of project managers or various experts working in collaborative environment through integrated development platform tools.

Objectives :

The Master of Science in Aerospace Engineering is intended to educate graduate students in subjects relevant to these demanding challenges and needs of the industry.

Giving students competences in engineering science, technology and design related to aeronautics and space, the MSc AE is designed to be multidisciplinary preparing future engineers to easily and efficiently work on aeronautical systems, space systems and their applications, with emphasis on the complete life cycle of the system. With a large spectrum of knowledge the MSc AE allows students to tackle various aspects from design to operations of products and systems either in a research organism or in an aerospace company in a multinational environment.

The ISAE-SUPAERO Master's programs are designed with a combination of lectures, tutorials, study cases and projects to be performed in industrial environment or in ISAE-SUPAERO's laboratories. They are taught in English.

The MSc AE program includes three-semester academic session, in ISAE-SUPAERO's premises, provided by permanent professors and experts from aerospace industry bringing current knowledge and experience.

The last semester consists in a master thesis to be performed in a company or a laboratory in the aerospace sector. After the thesis, students having obtained 120 credits under examination will be awarded the Master of Science in Aerospace Engineering from ISAE-SUPAERO.

The MSc AE offers 2 tracks in semester 1:

- Track "Aerospace mechanics" which leads students to majors: «advanced aerodynamics and propulsion», «aeronautical and space structures», «aerospace systems and control», «space systems» and « systems engineering»

- Track "Aerospace systems" which leads students to majors: «aerospace systems and control», «embedded systems», «space systems» and « systems engineering».

In their application file, applicants must rank their wishes for the track they want to follow in semester 1.

ÉTABLISSEMENT

LIEU D'ENSEIGNEMENT

Toulouse

CONTACT

Condition d'accès

Applicants must have a bachelor's degree or equivalent degree, in the following areas:

Bachelor in aerospace or electrical or mechanical or telecommunications engineering or mechatronics or physics or instrumentation technology

Selection and admission

Admission to ISAE's master at: <http://admissionsmasters.isae-superaero.fr>

Selection and admission are made by an admission committee: possible interviews can be organized if necessary

Deadlines for application:

several admission committees scheduled from January to March 2016, see schedule on our website: <http://admissionsmasters.isae-superaero.fr>

Language requirements

TOEFL (Paper-based): 550 points, or TOEFL (IBT): 79 points, or TOEIC: 785 points, or IELTS: 6.5 points.

Parcours

Master 1

Semestre 1

Semestre 2

Master 2

Semestre 3

Semestre 4

Poursuite d'études

Perspectives professionnelles