

# ADVANCED MASTER IN AVIATION SAFETY: AIRCRAFT AIRWORTHINESS (ASAA)



Niveau d'étude visé  
BAC +6



Diplôme  
Mastère spécialisé



Domaine(s) d'étude  
Ingénierie aéronautique et spatiale



Accessible en  
Formation initiale,  
Formation continue



Établissements  
ISAE - SUPAERO,  
ENAC - Ecole nationale de l'aviation civile

## Présentation



The advanced master "Aviation Safety Aircraft Airworthiness" gives future managers a broad understanding of the issues and priorities in Airworthiness with a focus on air transport safety from design to operations within the international legal environment.

## Objectifs

### OBJECTIVES

Airworthiness plays a pivotal role in aviation safety and development, guaranteeing that design, manufacture, operation and maintenance of aircraft, engines and systems are suitable for safe flight. It is supported by an overall process for which solid regulatory and technical knowledge is necessary.

**WHAT?** The ASAA Advanced Master provides the required high-level skills and competencies in the fields of

airworthiness regulations, aircraft and systems design and certification, continued airworthiness and operation. It has been designed to meet demand from industry and governmental authorities for specific profiles of airworthiness or certification engineers.

**HOW?** To further improve safety within a growing aviation industry, and to efficiently and safely introduce new technologies and innovative aircraft architectures, this program delivers relevant methodologies and keys to enhance certification approaches for civil and military aircraft.

## Admission

### Conditions d'admission

The applicants must hold the following degrees:

- A **Master's Degree** or an equivalent degree
- Or a **Bachelor's Degree** with at least 3 years of professional experience
- International degree equivalent to the aforementioned degrees.

For candidates who do not meet these conditions but can justify 5 years of significant professional experience, these programs can be accessed via the Validation of Professional and Personal Acquisitions - VAPP

## Et après...

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### Insertion professionnelle

#### CAREER OPPORTUNITIES

The program fully matches job market expectations for certification or airworthiness engineer positions. It offers a wide range of job opportunities within civil or military aircraft – engines – systems manufacturers, suppliers, airlines and aviation safety authorities.

#### JOB OUTCOMES

- certification engineers
- continuing airworthiness engineer
- technical certification support engineer
- airworthiness engineers

#### Companies recruiting our students

EASA, Transport Canada, ANAC, DGAC and other National Aviation Authorities, OSAC, Airbus, ATR Aircraft, Dassault Aviation, Daher, Aura Aero, Pilatus (Switzerland), Embraer (Brazil), Flying Whales, COMAC (China), AVIC (China), Lilium GmbH (Germany), Pipistrel (Slovenia), Hal (India), French Ministry of Defence, Brazilian Air Force, Greek Air Force, Expleo, AKKA Technologies, ALTEN, SII Group.

You can find on this [page](#) the job survey concerning our last Advanced Masters graduates

## Contact(s)

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### Autres contacts

For more information, please visit the ASAA Advanced Master [webpage](#)

If you have any question:

- if you are a student, please contact [info-programmes@isae-superaero.fr](mailto:info-programmes@isae-superaero.fr)

- if you are a professional, please contact [info.exed@isae-superaero.fr](mailto:info.exed@isae-superaero.fr)

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## Accessibilité des lieux et modalités d'enseignement aux étudiants en situation de handicap

The Advanced Master is accessible to persons with disabilities (PSH).

In the event that a learner is in a situation of disability, his or her needs (whatever they are educational, material, technical, human, etc.) are taken into account by the ISAE-SUPAERO's Disability Advisor. ISAE-SUPAERO provides the expertise, the tools, and the networks needed to facilitate the access to premises and resources, to prepare certifications and take examinations.

## Métiers de demain

**Thématiques :** Hydrogène décarboné

**Projets porteurs :** Genhyo

## Infos pratiques

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### Lieu(x)

 Toulouse

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## En savoir plus

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<https://www.isae-supaero.fr/en/academics/advanced-masters/programs/advanced-master-aviation-safety-aircraft-airworthiness-asaa/>

# Programme

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## Organisation

### **1st semester:**

Part 1: Certification Procedures

Part 2: Transverse Certification Items

Part 3: Aircraft Certification

Part 4: Integrated Team Project (ITP)

Part 5: Continuing Airworthiness and Operations

Part 6: Airworthiness of State Aircraft

### **2nd semester:**

Students are required to conduct a 4 to 6 months professional thesis or internship

- with an aerospace company or in a laboratory
- in France or Abroad supervised by a tutor from the host organization and from ISAE-SUPAERO.

The thesis concludes with the submission of a report and an oral dissertation in front of a thesis committee.