

# MASTÈRE SPÉCIALISÉ AVIATION SAFETY AIRCRAFT AIRWORTHINESS

## RÉSUMÉ DE LA FORMATION

**Type de diplôme :** Mastère spécialisé

**Domaine ministériel :** Sciences, Technologies, Santé

## Présentation

### Content and objectives

Aircraft airworthiness must be considered as a coherent process running from the design of the aircraft to the monitoring of its technical condition in airline service.

The ENAC 's Advanced Master in Aircraft Airworthiness covers both the technical aspects of certification and the legal and economic implications. This course has been designed to give future managers a broad understanding of the issues and priorities which, as far as aeronautical construction is concerned, have an international dimension.

Air transport deregulation and the development of a global economy necessarily imply increased vigilance on behalf of both the regulatory authorities and the industry. Progress regarding safety has been constant. In the last 20 years, the accident rate per flight hour has been reduced by a factor of 10. But this is becoming insufficient due to the considerable increase in traffic. Current trends should encourage us to make even more improvements, and this must be achieved through training. The "Advanced Master" in Aircraft Airworthiness will provide future operators with the key to success in times to come.

This Advanced Master offered by ENAC, Ecole de l'Air and ISAE takes advantage of the excellent relations of both Universities with leading companies in the aeronautical engineering sector both in Europe and world-wide.

For more information about "Advanced Master" delivered by ENAC, please click [here](#).

## Organisation de la formation

### PLUS D'INFOS

**Niveau d'étude :** BAC +6

**Public concerné**

\* Formation initiale

### EN SAVOIR PLUS

[ENAC Website](#)

## Phase académique

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- *Aeronautical techniques and study of the aircraft (Obligatoire)*
  - AE611E - Flight envelopes
  - AE612E - Limites opérationnelles de structures
  - AE613E - Aircraft architecture and load calculation
  - AE614E - Propulsion
  - AV604E - Avionics part 1
  - AV605E - Avionics part 2
  - AE615E - Aircraft systems
  - AV606E - Qualification tests for on-board equipment and systems used in civil aviation
- *Air transport safety (Obligatoire)*
  - RG604E - Certification Procedures
  - RG609E - Certification of Aircraft Systems
  - CS604E - Safety of complex systems
  - CS605E - On-board software & Complex Electronic Hardware
  - FH603E - Air transport safety and the human factor
  - RG605E - Production organisation approvals
  - OP603E - Operating procedures
  - RG606E - Maintenance procedures
  - RG607E - Post TC activities
  - WW601E - Airworthiness of governmental Aircrafts
- *Projet de fin d'études (Obligatoire)*
  - TX699E - End of studies project

## Conditions d'accès

Pour plus d'informations, merci de cliquer [ici](#).

## Insertion professionnelle

### Professional prospects and career opportunities

The “Advanced Master” in Aviation Safety - Aircraft Airworthiness has been set up for students who are considering a career in the aircraft airworthiness sector. The opening-up of the European air transport market, development of the Asian market and ageing of the world airline fleet are all creating real job prospects. The concerns of manufacturers and operators regarding the risks of a disorderly development of air transport are stepping up the need for technical monitoring and quality control.



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## **Composante**

ENAC - Ecole nationale de l'aviation civile

## **Lieu(x) de la formation**

Toulouse

## **Responsable(s)**

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