Aviation Safety: Aircraft Airworthiness
(ISAE-SUPAERO /ENAC/ECOLE DE L’AIR)

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 a solid regulatory and technical knowledge is necessary.
The Advanced Master ASAA 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 industry and authorities demand for airworthiness or certification engineers specific profiles.
To further improve safety within a growing aviation industry, and to efficiently and safely introduce in the skies new technologies and innovative aircraft architectures, this program delivers relevant methodologies and keys to enhance certification approaches for civil and military aircraft.

Learning approach
First semester:
Academic session of courses from October to March.
A well-structured progressive approach through lectures, projects, tutorials, visits of aeronautical industries, up to an Integrated Team Project to apply learnings on job-based situations.

Second semester:
Students have to conduct a professional thesis or make an internship in an industry or in a laboratory, in France or abroad, supervised by a tutor from the host organization and from ISAE-SUPAERO or ENAC or Ecole de l’Air. The thesis is concluded by the preparation of a report and an oral dissertation in front of a jury.

Organization
Head of Program ISAE-SUPAERO
• Prof. Joël JEZEGOU joel.jezegou@isae-supaoer.fr

Head of Program ENAC
• Pascale PUEL pascale.puel-ext@enac.fr

Head of Program École de l’Air
• Florent BASTIEN florent.bastien@ecole-air.fr

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.

Companies recruiting our students
Aeroconseil, Airbus, Air France, ATR Aircraft, Dassault Aviation, DGAC, Assystem technologies, AKKA Technologies, ALTEN, SII Group, National Aviation Authorities, EASA, Transport Canada, French Ministry of Defence, Brazilian Air Force, Flying Whales, COMAC (China), AVIC (China), Lilium GmbH (Germany), AMAC Aerospace (Switzerland), Embraer (Brazil), Hal (India), Blue Bird Aviation (Kenya), Pipistrel (Slovenia)
Why did you choose ISAE-SUPAERO and apply for this MS?

SOPHIE LE QUELLEC, 
Advanced Master ASAA PROMO 2018 
Certification Team Leader, SII

I am a General Engineer, having graduated 20 years ago. Throughout my career, I have had the opportunity to work in high standards industries in Naval Defense and Space. Reaching mid-career and being strongly attracted by aeronautical matters, I decided to be trained in the best aeronautical schools, ENAC and ISAE-SUPAERO in order to get a reputable diploma allowing me to apply to interesting job positions in aeronautics.

What were your objectives?

My first objective was to get a comprehensive understanding of aircraft design and the link with Aviation regulations. I also wanted to work in an environment where I can mix multidisciplinary technical aspects, regulations, team working, negotiation and contribute to aviation safety.

According to your experience, what are the strong assets of this master?

The lectures were at a very high level of knowledge, quite intensive and very comprehensive, mostly given by experts coming from aircraft industries. I highly appreciated the multicultural environment with classmates from all over the world.

What are your career plans?

Thanks to this master, I was able to get immediately a job as a Certification Team Leader, working on avionics major modifications on AIRBUS aircraft. My mid-term goal is to join an aircraft manufacturer and to be part of the team who will get the certification of a new or modified aircraft.
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Admission procedures

Advanced Masters

Academic requirements
A master’s degree, or an equivalent degree in science or engineering (or in management for advanced masters in management), or bachelor degree completed by 3 years of professional experience
Tuition fees: see our website

Selection and admission

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 July, see schedule on our website

Language requirements

for Masters in French

Language qualification requested
Score B2-Common - European Framework of Reference for Languages

Application website:

NOTA BENE: Volume of teaching hours and contents of the programs are provided for information only and are subject to change

Language requirements

for Masters in English

TOEFL (IBT) or TOEIC or IELTS or CAE/FCE

85 points or 785 points or 6.5 points or 170 points

Funding
Information on tuitions fees and funding can be found on our website

Your contacts

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