





## ADMISSION REQUIREMENT

You can apply if you hold:

- ✓ a Master degree in engineering (CTI list);
- ✓ a Master degree or equivalent (DEA, DESS...) or professional degree of the same level;
- ✓ a M1 degree or equivalent with at least 3 years of professional experience;
- ✓ a degree registered in the RNCP level 7;
- ✓ an international degree equivalent to the aforementioned degrees.

## REQUIRED LEVEL OF ENGLISH PROFICIENCY

TOEFL (paper-based)	TOEFL (IBT)	TOEIC	PLS
			
567	87	785	3333

(Standardized Linguistic Profile)

ÉCOLE DE L'AIR  
& DE L'ESPACE

SALON-DE-PROVENCE

isae  
Institut Supérieur de l'Aéronautique et de l'Espace  
SUPAERO

## FRENCH AIR AND SPACE FORCE ACADEMY

## WHO CAN APPLY

Training opened to French and International audience

If you are:

- ✓ Young graduates with a scientific background;
- ✓ Manager/executive of the international aeronautical industry;
- ✓ French Armed Forces officer (all services, all specialties) called to serve in the military aeronautical field;
- ✓ European and Allied armed forces officer;
- ✓ French Armed forces Ministry civilian manager/executive, French or European government service manager/executive.

Do not hesitate to contact us for more information.

This course is suitable for graduates with engineering, maths, sciences or related degrees keen to pursue careers in aeronautics maintenance management and develop relevant technologies for maintenance engineering in the domain of aeronautics and military aircraft.

Starting in September 2025!

Post-Master Degree Web link



CONTACT US

[admission-ms@ecole-air.fr](mailto:admission-ms@ecole-air.fr)

TRAINING LEADER

David YAOUANC

# ADVANCED MASTER®

## « Aeronautics Operational Sustainment for State Aircraft » (Aero OpS SA)

## THEY SUPPORT US



Suivez-nous!



Conception graphique Valérie Spanu Aubert, BCRE, École de l'air et de l'espace  
Crédits photos : École de l'air et de l'espace, armée de l'Air et de l'Espace

AIRBUS  
GROUP

# ADVANCED MASTER®

## « Aeronautics Operational Sustainment for State Aircraft » (Aero OpS SA)

HIGH-LEVEL TRAINING FOR MANAGERS LOOKING FOR AN IN-DEPTH UNDERSTANDING OF THE CURRENT PROCESSES, METHODS AND CHALLENGES INVOLVED IN MAINTAINING STATE AIRCRAFT IN OPERATIONAL CONDITION

### OBJECTIVE

Maintaining state aircraft in operational condition is a major challenge for the eight French employment authorities (the French Air Force and Space Force, the French Navy, the French Army, the French Gendarmerie, the Directorate General for Civil Security, the Directorate General for Customs and Excise, and the Directorate General for Armaments, National Police). The search for maximum availability of aircraft, using methods known as operational excellence in an environment requiring a high level of aeronautical safety, calls on specific multi-field skills and knowledge.

The French Air and Space Force Academy and ISAE-SUPAERO offer you Post-Master Degree in Aeronautics Operational sustainment for State Aircraft (AM Aero OpS SA).

This high-level dual civil/military course is designed to train aeronautics operational sustainment managers who are aware of the challenges of a constantly changing digital environment, from the design phase of a support system to the management of a state fleet in a state operational environment.

### THEY WILL TRAIN YOU

Supported by prestigious organizations, companies and start-ups, this training course is based on the expertise of numerous professionals:

- Professors and researchers of the French Air and Space Force Academy;
- Researchers, engineers and operational executives from partnerships;
- Military experts of French armed forces;
- Experts from industrial partners.

They contribute to a dynamic program combining theoretical contributions, active and innovative teaching methods such as serious gaming, as well as on the completion of individual and group project carried out throughout the course. The training is supplemented by visits to aeronautical units of French armed forces and industrial sites.

### TRAINING BENEFITS AND SKILLS

- Analysing the operation of a state aircraft and understanding the technical constraints specific to the military air environment;
- Participating in the development and improvement of a support system for a fleet of state aircraft;
- Assess risks and threats of maintenance operations on state aircraft environment for optimizing decision-making process.
- Operating and supporting a fleet of state aircraft in a constrained and digital operational environment;
- Implementing tools to optimize production management processes of state aircraft based on operational excellence;
- Understanding the specific challenges of maintaining operational readiness during a high-intensity conflict.

### CAREER PROSPECTS

- ◆ Engineer manager/Maintenance program officer;
- ◆ Continuing Airworthiness Management Organisation (CAMO) manager;
- ◆ Airworthiness engineer;
- ◆ Manager/Officer in state aircraft maintenance unit;
- ◆ Project Manager in state aircraft operational sustainment;
- ◆ Responsible for state aircraft sustainment in state organizations, possibly in the Defense sector, international organizations, or even industrial organizations;
- ◆ Security manager for a fleet of state aircrafts;
- ◆ Consulting firm expertise: audit, consulting, trainer in the space and defense fields.

### TRAINING SCHEDULE

Five units with more than 460 hours given in English.

Unit 1 and Unit 2 will take place at the ISAE-Supaero site in Toulouse.

Unit 3, 4 and 5 will take place at the EAE site in Salon-de-Provence.

It is followed by a four to six-month mission in the private sector which concludes the program.



## UNITS

### UNIT 1: Understanding an aeronautical system

10 ECTS

- ✓ Engines powerplant, structure & materials;
- ✓ Flight dynamics;
- ✓ Aircraft general systems;
- ✓ Certification & initial airworthiness.

### UNIT 2: Design of an aircraft design support

5 ECTS

- ✓ Operational reliability;
- ✓ Maintenance Steering Group-3;
- ✓ Integrated logistics support.

### UNIT 3: Concepts, processes & regulation for state aircraft

13 ECTS

- ✓ Contracts & supply chain management;
- ✓ State aircraft airworthiness;
- ✓ Air safety & state aircraft.

### UNIT 4: Innovative Tools & methods for aeronautics operational sustainment

12 ECTS

- ✓ State aircraft fleet production management;
- ✓ Lean management & maintenance scheduling;
- ✓ Predictive maintenance & additive manufacturing.

### UNIT 5: Operational readiness in air operations

5 ECTS

- ✓ Maintenance techniques in operational environment;
- ✓ High level conferences & round tables on operational sustainment during operations;
- ✓ Serious Game for operational readiness of state aircraft.

Professional thesis associated with company mission

30 ECTS – 6 MONTH