

Mastère Spécialisé Advanced Master in Aeronautical Maintenance and Support



Niveau d'étude visé
BAC +7



Diplôme
Mastère spécialisé



Domaine(s) d'étude
Ingénierie aéronautique et spatiale



Accessible en
Formation initiale, VAE



Établissements

Présentation

The Advanced Master in Aeronautical Maintenance and Support - Engineering & Management prepares the participants to face the competitive and fast changing MRO (Maintenance Repair Overall) business within the international regulatory framework.

Objectifs

The program aims to expose the participants to the latest techniques and methods, regulation and standards applied in aviation industry. It provides students with a wide range of knowledge from engineering fundamentals to maintenance organization management.

It is a 1-year program fully taught in English.

For more information, please visit ISAE-SUPAERO website or contact info-masters@isae-supaero.fr

Admission

Conditions d'accès

For more information, please visit ISAE-SUPAERO website or contact info-masters@isae-supaero.fr

<https://www.isae-supaero.fr/en/admissions-en/advanced-masters-admission/>

Et après...

Poursuite d'études

Structures

Avionics

Maintenance & ILS

Insertion professionnelle

Contact(s)

Infos pratiques

Lieu(x)

 Toulouse

Programme

Année 1

Semester 1

1st PART: AIRCRAFT GENERAL FAMILIARIZATION

Aircraft Architecture - Part a,b & c	1 crédits	28h
Structure & Materials	3 crédits	58h
Aircraft General Systems	3 crédits	40h
Avionics	3 crédits	39h
Engines and Powerplant	2 crédits	20h

2nd PART: MAINTENANCE and SUPPORT in AIRCRAFT DESIGN

Operability and maintainability influence on design	1 crédits	11h
Integrated Logistic Support (ILS) and Logistic Support Analysis (LSA)	2 crédits	16h
Configuration Management		6h
Development and evolution of a maintenance program (MSG-3)	2 crédits	19h
Ground support equipment		3h
Project (LSA, MSG-3)	3 crédits	16h

3rd PART: MAINTENANCE & HEALTH MANAGEMENT ANALYSIS & MODELLING

RAMS techniques and modelling	2 crédits	18h
PHM, Predictive maintenance & data analytics	2 crédits	18h

4th PART: MAINTENANCE EXECUTION & MANAGEMENT

Engine, Systems and Equipment maintenance	3 crédits	30h
Organization and management of a maintenance department	3 crédits	26h
Military maintenance organization		4h
MRO Project	2 crédits	12h

5th PART: AIRWORTHINESS, SAFETY & HUMAN FACTORS

Aviation regulation, Airworthiness and Safety analysis	3 crédits	35h
Continuing & continued airworthiness	3 crédits	29h
Human factors and SMS & SMS implementation in MRO	2 crédits	20h

6th PART: CUSTOMER SUPPORT

Customer support and services	1 crédits	10h
-------------------------------	-----------	-----

7th PART: SUPPLY CHAIN

Supply chain and logistics and recycling	2 crédits	17h
Airworthiness of governmental aircrafts	2 crédits	

Semester 2

9th Part : PROFESSIONAL THESIS

PROFESSIONAL THESIS	30 crédits	770h
---------------------	------------	------