

Mastère Spécialisé Advanced Master in Systems Engineering



Niveau d'étude visé
BAC +6



Diplôme
Mastère spécialisé



Domaine(s) d'étude
Ingénierie aéronautique et spatiale



Accessible en Formation initiale, VAE



Établissements
ISAE - SUPAERO

Présentation

The Systems Engineering Master degree program is a one-year professional course of study, designed in partnership with the industry.

Objectifs

The Advanced Master in Systems Engineering aims to provide the international aerospace industry with skilled professionals equipped to specify, to design, to deploy and to maintain complex systems. It also prepares to develop a system approach with the capacity to federate and manage various, interwoven and complementary activities. Finally, this program prepares systems engineering to work in various industrial sectors including space, aeronautics, air traffic control, land transport systems, etc.

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...

Poursuites d'études

Engineering Systems

Insertion professionnelle

Contact(s)

Infos pratiques

Lieu(x)

 Toulouse

En savoir plus

 http://masters.isae.fr/fr/dnm/Loffre_masters.html

Programme

Année 1

Semester 1

MS SEN ACADEMIC PART

Systems Engineering Introduction (SEI)	1	15h
Project Management Introduction (PMI)	1	11h
Project Technical Management (PTM)	3	35h
Systems Engineering Data Technical Management (SEDTM)	4	42h
Systems Modelling & Analysis (SMA)	4	40h
Systems Dependability (SD) - Part 1	2	20h
Systems Dependability (SD) - Part 2	2	16h
Optimise, Decide, Justify, Verify & Validate (ODJVV)	3	30h
Requirements Engineering (RE)	4	31h
Systems Design and Architecture (SDA)	4	45h
Integrated Logistic Support (ILS)	3	27h
AIRBUS Study Case: Systems Engineering & Certification of the A350 (A350)		20h
Systems Engineering of Space Systems (SeSS)		18h
DASSAULT Study Case: Systems Engineering at Dassault aviation (DAV)		25h
DGA Study Case: System of Systems (SoS)		36h
Introduction to Verification & Validation (IVV)	1	11h
Systems Engineering Methods and Tools (SEMT)	1	34h
Introduction to Space System (ISS)	1	10h
Integrated Team Project		
Integrated Team Project SEN (ITP)	9	42h

Semester 2

Professional thesis	30	770h
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Année 2

Semester 3
