

Master International Air Transport Operations Management

Aéronautique et espace



Niveau d'étude visé
BAC +5



Diplôme
Master (LMD)



Domaine(s) d'étude
Ingénierie des systèmes,
Economie,
Economie internationale,
Gestion d'entreprises -
Management,
Marketing



Accessible en
Formation initiale, VAE



Établissements
ENAC - Ecole nationale de l'aviation civile

Présentation

The Master of Science in IATOM is a two year-degree accredited by the French Ministry of Education for those students who hold a Bachelor degree in a relevant subject. Located in Toulouse, a major centre for science and technology and the European aviation capital, ENAC is a gateway to air transport worldwide, recognised by ICAO and major civil aviation organisations as one of the world's leading air transport educational institutions.

Objectifs

The MSc in IATOM has been designed to emphasise the application of up-to-date engineering and management concepts or methods of the aeronautical and aviation industry. The full-time two-year Master in IATOM aims at providing the technical and management expertise necessary to a future manager in an international company. It provides graduates with in-depth knowledge in aeronautical engineering, aeronautical project management

and technology management, to be able to meet the aeronautical industry demands in terms of the innovative engineers they need to strengthen and develop their business. The Master in IATOM offers a comprehensive teaching programme with a strong scientific background, aeronautical and aviation engineering, legal, social environment, the economy and project management enabling graduates to get junior management positions in the aeronautical industry, airlines, airports or civil aviation authorities: flight operations engineer, aircraft performance engineer, maintenance manager, airlines operations planning, marketing manager, etc.

Project management currently forms the backbone of the Master IATOM concerns.

Admission

Conditions d'admission

Les candidats à ce programme de master doivent être titulaires d'une licence en génie électrique,

génie aérospatial, mécanique, mathématiques, physique, mécatronique, physique ou équivalent.

Et après...

Insertion professionnelle

Career opportunities

Four main recruitment domains:

- Aircraft manufacturers
- Civil Aviation Authorities
- Airlines
- Airports

Contact(s)

Contacts

Responsable pédagogique

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Infos pratiques

Contacts

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Lieu(x)

📍 Toulouse

En savoir plus

ENAC Website

🔗 <http://www.enac.fr/fr/master-science-aerospace-international-air-transport-operations-management-msc-iatom>

Programme

Année 1

Semestre 7

	Nature	CM	TD	TP	Crédits
EC401E - Applied economics	UE	30h			
CS401E - Project management	UE	16h	16h		
LV401 - Culture and language French	UE	28h			
LV406E - Culture and Language - English	UE	26h			
LV409 - Culture and Language - other language	UE	26h			
AE401E - Flight Mechanics	UE	18h	10h		
MT401E - Meteorology	UE	20h			
AE405E - Aérodynamique	UE	20h		4h	
AE403E - Mechanics of materials	UE	20h			
AE407E - Propulsion	UE	27h	2h		
AE410E - Which aircraft for which mission ?	UE	10h	8h		
MA410E - Statistics	UE	12h	6h		
MA413E - Optimisation combinatoire	UE	18h	12h		
MA412E - Optimisation continue	UE				

Semestre 8

	Nature	CM	TD	TP	Crédits
AE416E - Structural design	UE				
OP401E - Flight operations	UE				
CS408E - Safety analysis	UE				
RG405E - Aircraft certification	UE				
RG4013E - Certification of aircraft systems	UE				
MN402E - Basics in aircraft maintenance	UE				
EA402E - Airport design	UE	22h			
EA403E - Airport management	UE	21h	4h		

AT403E - Air Traffic Organisation and management	UE	32h		
OP402E - Flight OPS and airport project	UE			
RG406E - Certification project	UE			
LV402 - French culture and language	UE	28h		
LV407E - Culture and Language - English	UE	26h		
LV410 - Culture and Language - other language	UE	26h		
EC417E - Air transport economics	UE	14h		
EC402E - Airline costs and financial analysis	UE			
EC4009E - Air transport & airlines marketing	UE			
EC4021E - Customer Relationships	UE			
DD101E - Climate change days	UE	12h	2,5h	2,5h
CS409E - Project management	UE			
LV408 - French culture and language	UE			
AU410E - Operations Research (upgrade)	UE	8h		

Année 2

Semestre 9

	Nature	CM	TD	TP	Crédits
OP502E - Flight operations optimization	UE	16h		29h	
AV501E - Avionics systems	UE	33h	3h		
EA501E - Sustainable development	UE	3h			
SA501E - Introduction to SMS	UE	2h	2h		
EA502E - Helicopters	UE				
IP520E - Programming language and databases	UE	28h	8h		
MA503E - Operations Research for applied to Air Transportation	UE	20h		8h	
LV501 - Culture and Language - French	UE	28h			
LV504E - Culture and Language - English	UE				
LV411 - Culture and Language - other language	UE	26h			
DJ502E - Air transport law	UE				
SH503E - Human Resources Management	UE	20h			

DD102E - Societal challenges (Masters)	UE			
OP501E - Airline Project	UE			
EC5020E - Airline strategies	UE	40h		
EC5021E - Air transport markets	UE			10h
EC5022E - Pricing and revenue management	UE	2h	13h	12h
MN504E - Post TC activities	UE			
MN505E - Advanced maintenance	UE			
RG502E - Certification of propulsion systems	UE			
RG503E - Operators certification	UE			
SA502E - SMS (Manufacturers, Operators, MRO)	UE	15h		

Semestre 10

	Nature	CM	TD	TP	Crédits
TX5900 - Projet de fin d'études	UE				