

MASTER INTERNATIONAL AIR TRANSPORT OPERATIONS MANAGEMENT

RÉSUMÉ DE LA FORMATION

Type de diplôme : Master (LMD)

Domaine(s) ministériel(s) : Sciences, Technologies, Santé

Mention : Aéronautique et espace

Présentation

Presentation :

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

Objectives

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.

PLUS D'INFOS

Niveau d'étude : BAC +5

Public concerné

* Formation initiale

Nature de la formation :

Parcours

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

Les + de la formation

Additional information

Please, click [here](#) to access to the "Fiche RNCP" (Répertoire national des certifications professionnelles).

Organisation de la formation

Année 1

Semestre 7

- *Human and social science (Obligatoire)*
 - EC401E - Fundamental economics
 - CS401E - Project management
 - LV401 - Culture and language French
 - LV406E - Culture and Language - English
 - LV409 - Culture and Language - other language
- *Theoretical flight fundamentals (Obligatoire)*
 - AE401E - Flight Mechanics
 - MT401E - Meteorology
 - AE405E - Aérodynamique
- *Aircraft fundamentals (Obligatoire)*
 - AE403E - Mechanics of materials
 - AE407E - Propulsion
 - AE410E - Which aircraft for which mission ?
- *Mathematics tools (Obligatoire)*
 - MA410E - Statistics
 - MA413E - Optimisation combinatoire
 - MA412E - Optimisation continue

Semestre 8

- *Aircraft design and operations 1 (Obligatoire)*
 - AE416E - Structural design
 - OP401E - Flight operations
 - CS408E - Safety analysis
- *Aircraft airworthiness (Obligatoire)*
 - RG405E - Aircraft certification
 - RG4013E - Certification of aircraft systems
 - MN402E - Basics in aircraft maintenance
- *Aircraft environment (Obligatoire)*
 - EA402E - Airport design

- EA403E - Airport management
- AT403E - Air Traffic Organisation and management
- *Multi-disciplinary Projects (Obligatoire)*
 - OP402E - Flight OPS and airport project
 - RG406E - Certification project
- *Human and social sciences (Obligatoire)*
 - LV402 - French culture and language
 - LV407E - Culture and Language - English
 - LV410 - Culture and Language - other language
 - EC417E - Air transport economics
 - EC402E - Airline costs and financial analysis
 - EC4009E - Air transport & airlines marketing
 - EC4021E - Customer Relationships
 - DD101E - Climate change days
- *Upgrade for foreign students (Obligatoire)*
 - CS409E - Project management
 - LV408 - French culture and language
 - AU410E - Operations Research (upgrade)

Année 2

Semestre 9

- *Aircraft design and operations 2 (Obligatoire)*
 - OP502E - Flight operations optimization
 - AV501E - Avionics systems
 - EA501E - Sustainable development
 - SA501E - Introduction to SMS
 - EA502E - Helicopters
- *Mathematics tools (Obligatoire)*
 - IP520E - Programming language and databases
 - MA503E - Operations Research for applied to Air

Transportation

- *Human and social sciences (Obligatoire)*
 - LV501 - Culture and Language - French
 - LV504E - Culture and Language - English
 - LV411 - Culture and Language - other language
 - DJ502E - Air transport law
 - SH503E - Human Resources Management
 - DD102E - Societal challenges (Masters)
- *Multi-disciplinary project (Obligatoire)*
 - OP501E - Airline Project
- *Minor in Strategy (Obligatoire)*
 - EC5020E - Airline strategies
 - EC5021E - Air transport markets
 - EC5022E - Pricing and revenue management
- *Minor in Airworthiness (Obligatoire)*
 - MN504E - Post TC activities

- MN505E - Advanced maintenance
- RG502E - Certification of propulsion systems
- RG503E - Operators certification
- SA502E - SMS (Manufacturers, Operators, MRO)

Semestre 10

- *Projet final (Obligatoire)*
- TX5900 - Projet de fin d'études

Insertion professionnelle

Career opportunities

Four main recruitment domains:

- Aircraft manufacturers
- Civil Aviation Authorities
- Airlines
- Airports

Composante

ENAC - Ecole nationale de l'aviation civile

Lieu(x) de la formation

Toulouse

Contacts

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