

MASTER DEGREE IN AIR NAVIGATION SERVICES MANAGEMENT



ICAO

TRAINAIR PLUS™

5th Edition

Academic year 2024/25

INTRODUCTION

MASTER DEGREE IN AIR NAVIGATION SERVICES MANAGEMENT

The **only university and professional master degree focused in the** management of air navigation services.

ENAI, the national air navigation service provider of Spain, in cooperation **with the Polytechnic University, the Autonomous University of Madrid**, and the Global Aviation Training Division of ICAO, offer a unique training programme supported by their experience and solid knowledge of aviation.

The master's degree is **aimed primarily at professionals from air navigation service providers and other aviation organisations** such as airlines, airport operators, authorities, as well as manufacturers, consultancy firms and university graduates interested in air navigation.



Objectives

Of the master degree in air navigation services

Our commitment is to train the future leaders and managers of air navigation.

The Master provides candidates with **technical knowledge, strategic vision and analytical and managerial skills** in the current context to acquire a broad understanding of air navigation services and the challenges of the sector.



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The programme has been developed following ICAO TRAINAIR PLUS standards



Commitment

Reasons to take the master degree

- We offer a **pioneering and unique programme** to develop the necessary management competencies in an air navigation service provider.
- We promote **Business Networking and a complete vision of the sector** by sharing experiences among different aviation professionals as well as through **personal exchanges with ENAIRE's executive managers** (only under the face to face mode).
- We provide a **clear focus on management** through a combination of knowledge transfer and team-led practical cases, aimed at developing strategical views and decision-making skills.
- We develop **critical thinking**, learning to solve problems in a complex environment under constant change.
- Quality training **accredited by two of Spanish leading universities** in aviation, with the experience of ENAIRE as one of the main European air navigation service provider and **accredited by the ICAO TRAINAIR PLUS programme**.





MASTER'S CONTENT ARCHITECTURE

The programme is structured in three modules to complete **60 credits**.

Module I. Fundamentals and service planning

18
Credits

Fundamentals of air transport -	2
Introduction to ANS	3
Legal and institutional framework -	1,5
Programmes and plans	3
ANS planning	3
Management systems	2,5
Management skills	3

Module II Advanced corporate management

12
Credits

Organisational management	3
Economic management of ANS and Transport	3
Economics	
Principles of accounting, investment and finance	3
Human resources planning and management	3

Module III Advanced technical-operational management

12
Credits

ATM operations and airspace management	2,5
Technical systems exploitation	2
Aeronautical information management	2
Safety	1,5
Security and Cybersecurity	1
Environment	1,5
Human Factors	1,5

* Internship at ENAIRE (Modules II y III)

12
Credits

Master's thesis

6
Credits

* Can be validated if the student is an aviation professional

/ EDITIONS ONLINE / FACE TO FACE

The master's degree can be taken online or face to face, at the student's choice.

Face to face: Delivered at ENAIRE's facilities in Madrid (Parque Empresarial Las Mercedes) on evening weekly sessions.

Online: students can access remotely to the classes through streaming video-conference, or later through an e-learning platform.

Both editions allow online tutoring through fora and direct consultations with the instructors, as well as access to the Master Classes Programme delivered by well-known experts and relevant personalities in the aviation. These classes are broadcasted on streaming and are subsequently uploaded into the learning platform.

The classroom mode includes **extra activities** related to each module:

- **Visits to ENAIRE's facilities:** Madrid Control Centre, Madrid Barajas Control Tower, simulators...
- **Networking initiatives with ENAIRE senior management:** A space to exchange experiences and current challenges in the sector with our leading professionals.





RECOGNITION INTERNATIONAL



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The master's degree is developed by ENAIRE, the Polytechnic University of Madrid and the Autonomous University of Madrid, in collaboration with the International Civil Aviation Organization (ICAO).

It is **accredited by ICAO** as a TRAINAIR PLUS Partnership Training Programme (PTP) for aviation professionals.



START COURSE

The duration of the master is **one academic year** (36 weeks). It starts on the 10th of September and ends in June.

Sessions (CET):

- 60 ECTS are distributed among classes:



Tuesday and Thursday: 16:00 - 20:30

- Occasionally, credits are completed with additional sessions during the academic week.



REGISTRATION ATTENDANCE

FACE TO FACE

10.000 €

ONLINE

7.250 €

FURTHER INFORMATION

E-mail: MasterNA@enaire.es

www.enaire.es

www.upm.es

www.uam.es

www.icao.int



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