



UNIVERSIDAD POLITÉCNICA DE MADRID







5th Edition

Academic year 2024/25

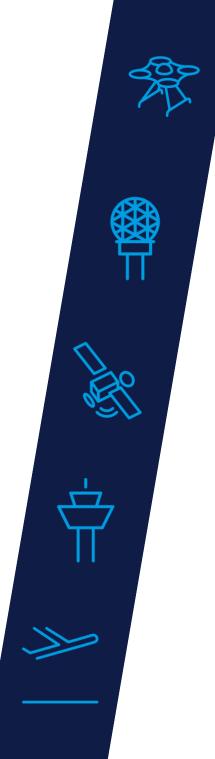
INTRODUCTION

MASTER DEGREE IN AIR NAVIGATION SERVICES MANAGEMENT

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

ENAIRE, the national air navigation service provider of Spain, in cooperation with the Polytechnic University, the Autonomous University of Madrid, and the Global Aviation Trainning 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.



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 decisionmaking 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.







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

Module I. Fundamentals and service planning	18 Credits
Fundamentals of air transport - Introduction to ANS Legal and institutional framework - Programmes and plans ANS planning Management systems Management skills	2 3 1,5 3 3 2,5
Module II Advanced corporate management	12 Credits
Organisational management Economic management of ANS and Transport Economics Principles of accounting, investment and finant Human resources planning and management	3 3 ace 3 3
Module III Advanced technical-operational management	12 Credits
ATM operations and airspace management Technical systems exploitation Aeronautical information management Safety Security and Cybersecurity Environment Human Factors	2,5 2 2 1,5 1 1,5
* Internship at ENAIRE (Modules II y III)	12 Credits
Master's thesis	6 Credits

/ 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 videoconference, 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 broadcaste 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.









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.





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

Sessions (CET):





Tuesday and Thursday: 16:00 - 20:30

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



FACE TO FACE

10.000€

ONLINE

7.250€



FURTHER INFORMATION

E-mail: MasterNA@enaire.es

<u>www.enaire.es</u>

www.upm.es

www.uam.es

www.icao.int



