



# MBAAM

## MASTER OF BUSINESS ADMINISTRATION IN AVIATION MANAGEMENT

600 hours (equivalent to 60 ECTS)  
e-learning modality



# ITAÉREA AERONAUTICAL BUSINESS SCHOOL

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# ITAérea Aeronautical Business School

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We are an aeronautical business school specialised in delivering high-quality training to both professionals of the Air Transport sector and those who wish to start working in this fascinating and dynamic industry. We deliver our training through our recognized Master of Business Administration in Aviation Management MBAAM and other postgraduate programmes and shorter courses focused on Air Transport.

At ITAérea we strive to meet the demand of first-class professionals from different companies in the Air Transport Sector: Airlines, Airports, Ground Handling, Aviation Authorities, Aircraft Manufacturing companies, Consulting companies, Law firms, etc. The school is staffed by more than 300 professors who have a vast experience in the industry and a practical approach to transmit their valuable real-life experience to our students.

Since we are internationally focused, we deliver our training courses in Spanish, Portuguese and English. We are represented in Spain, the United Kingdom, Brazil, Colombia, Peru, Honduras, Mexico, Costa Rica, Panama, Chile, Argentina, Venezuela, Bolivia, Ecuador, Dominican Republic, Uruguay, China, Saint Thomas and Prince and Angola.







# Training program

## Unit I: Airport Management

170 hours

- The Airport Business.
- Airport Master Planning.
- Airport infrastructures: capacity problems.
- Operations management at the airports.
- Airport Slots.
- Safety and security management at the airports.
- Asset management at the airports.
- Construction Management at the airports.
- Environmental management at the airports.
- The air transport demand
- Commercial management at the airports.
- Airport efficiency: small airports management.
- Global economic perspective of airports.
- IT Management at the airports.
- The airport of the future.
- Business Case: Salvador Bahia Airport, Brazil.
- Business Case: Aeropuerto Internacional El Dorado, Colombia.

## Unit II: Airline Management

80 hours

- Introduction to the Airline business.
- Airlines Structure.
- Airline economic review.
- Route development.
- Airline Fleet.
- Ancillary revenue management.
- Aircraft maintenance.
- Airline Operations Concepts.
- Aircraft operation.
- Safety and Security management at airlines.
- The challenge of a hangar.
- Ground handling.
- Air Cargo.
- Business and Corporate Aviation.
- Environmental Management System in Air Europa.
- Introduction to Sustainable Aviation.

## Unit III: International Air Law

90 hours

- Introduction, concept and sources of Air Law.
- Liability in Air Transport.
- Financing and sale and purchase of aircrafts.
- Air Operator Licences.
- Merger and acquisition of airlines.
- Aeronautical Labour Law.
- Legal status of aircraft.
- Aviation insurance.
- Town planning, environment and airport.

## Unit IV: Air Navigation Management

80 hours

- Basic concepts in Air Navigation Systems.
- Instruments and aircraft fundamentals.
- Nav aids and equipment.
- ATS (Air Traffic Services).
- Meteorology applied to Aviation.
- Aeronautical Communications.
- Air Traffic Control (ATC) Service.
- Aeronautical Information Service (AIS).
- Human Resources Management in Air Navigation.
- Introduction to the sustainable management of Air Navigation.
- Introduction to airspace sustainability and new air navigation concepts.

## Unit V: Aeronautical Industry Management

80 hours

- Introduction to the Aeronautical Industry.
- Design and Development of an Aeronautical Programme.
- Supply Chain in the Aeronautical Production.
- Industrialization and Manufacturing support.
- Digitalization and new technologies deployment in the industry.
- Lean manufacturing.
- Innovations and Technologies.
- Introduction to Sustainability in the Aeronautical Sector.

## Unit VI: Master Thesis

100 hours

Individually, students must draft a Master Thesis consisting in the study of a subject related to the air transport.



# Teaching staff

The teachers assigned to this postgraduate programme are top-level professionals with vast experience in the air transport industry. These professionals hold top management positions in companies and institutions such as:

Arup • Mott MacDonald • Leadin Aviation • AENA • Volotea • Vinci Airports • AERTEC Solutions • AIRBUS • Augusta Abogados • IAG Cargo • SAERCO • ENAIRE • GATCO • ITP Aero • Hong Kong Express Airways • easyJet • KPMG • AERIS Costa Rica • Grupo Puntacana • Ryanair • Gestair • IBERIA Airlines • Clyde & Co. • CLAC • Air Europa • AA2000 • WALA • DANTE Aeronautical



**Mr. Javier Gandara**  
Easyjet's General Director for southern Europe.



**Mr. Jared Harckham**  
Vice President and Managing Director, Aviation at ICF.



**Mr. Carlos Berenguer**  
Aviation General Director at AERTEC Solutions.



**Mr. Adriá Canals**  
Head of Transportation Advisory at ARUP.



**Mr. Rodrigo Tavares**  
Waste and Resources Manager at Neom



**Mr. Armando Rodríguez**  
Spain & Portugal Handling Services Manager at Iberia Airlines.



**Ms. Adriana Bejarano**  
Head of EHS and CSR at Aeris Holding Costa Rica



**Mr. César Ovelar**  
CFO Group Gestair



**Ms. Tania Chacín**  
Sustainability Manager at OPAIN S.A. Aeropuerto Internacional El Dorado

...and many more teachers:

- Eduardo Coll. Managing Director at Leadin Aviation Consulting.
- Enric Cuadras. Principal Airport Planner. Mott MacDonald.
- Miguel Palomares. General Manager of Melilla Airport.
- Jesús Viciano. IT Systems Manager at AERTEC Solutions.
- Juan Manuel Ortega. Head of Airport Engineering & Asset Management Aviation at Mott MacDonald.
- Daniel Pagán. SVQ Hangar Quality Manager at Ryanair.
- Saúl Nieto. Captain Hong Kong Express Airways.
- Alejandro Baró. Ancillary Revenue Manager at Volotea Airlines.
- Eliseo Llamazares. KPMG Partner. Chile.
- Óscar Castro, Aeroelastics and Sustainability Consultant.
- Andrea Vassallo. Senior Manager of Supply Chain & Materials at Volotea.
- Alfredo Arranz. Hangar Director at Ryanair.
- Diego Olmedo. Co-Founder and lawyer, PionAirLaw.
- Manuel Gallego. Lawyer at Augusta Abogados.
- Hernán Gómez. Consultant. Advisor ICAO and CLAC.
- Diego González. Legal Affairs Manager at Aeropuertos Argentina 2000. President of WALA.
- Ramón Amieva. Apron Supervisor West & South Tower (Madrid-Barajas Airport).
- Regina Alvarado. ATCO at Palma ACC. ENAIRE.
- Matthew Riley. Head of Operations at ATM Transformation Ltd.
- Luis Barbero. ATCO at London Heathrow. President and CEO of GATCO.
- Alberto García. Simulation Engineer at ITP Aero.
- Jorge Moñino. Aerospace Industry Director at AERTEC.

## Objective and suitability

The objective of the Master of Business Administration in Aviation Management is to train students to fill management positions in airports, airlines, as well as in companies associated to airports and aviation in general (commercial concessionaires, Air Navigation Service Providers, aeronautical industry manufacturers, construction companies, handling companies, security companies, maintenance companies, equipment supply companies, etc.) in the fields of:

Engineering • Sustainability • Operations • Infrastructure • Maintenance • Organization  
Human Resources • Business Management • Navigation Systems • Legal • Finance

Enrolment requirements:

- University graduates or non-graduates professionals of the aeronautical and airport sector.
- Recommended English level: minimum B2.

## Methodology

Live sessions via Zoom

Job bank management

Tutoring hours

Training is provided using the e5 methodology, which is based in the 5 basic pillars of online training: e-learning, expertise, efficiency, employability and enhancement. The School has been using this methodology for many years.



The teaching center is ITAérea's Virtual Campus, where the student will find all the contents:

- Live sessions with the teachers via Zoom.
- Updated and international contents.
- Periodic monitoring and control: The academic department carries out a periodic monitoring of the student and prepares situation reports.
- Evaluation exams. Through which the students will demonstrate what they have learned.
- Job bank management.

## Case studies

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- "Airport planning in airports with less than 10 M passengers in South America".
- "Asset management and maintenance at UK airports".
- "Salvador Bahia Airport, the most sustainable airport in Brazil".
- "Environmental management at Juan Santamaría International Airport, San José, Costa Rica".
- "Sustainability: the case of Aeropuerto Internacional El Dorado, Colombia".
- "The efficiency of small airports in the Nordic countries".
- "The airports of the future".
- "Route planning, fleet management, organizational structure and sustainable aviation in the main airlines".
- "Sustainability of airspace and new concepts of air navigation".
- "Lean manufacturing of aircraft".
- "Electric and hybrid aircraft".

## Assessment and degree obtained

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In order to evaluate the students and continuously assess their learning progress, the following aspects will be considered:

- There is a continuous assessment. Final exams will be performed after Units 1 to 5.
- Unit VI consists of a Master's Thesis.

Students will obtain the Master of Business Administration in Aviation Management master's degree, issued by ITAérea Aeronautical Business School.

## Price and payment methods

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For further information please contact [info@itaerea.com](mailto:info@itaerea.com)





For more information, please contact:

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ITAérea Aeronautical Business School