

Effective Introduction to Aviation

Madrid (Spain)

22 - 26 September 2025

UK Training

PARTNER



Effective Introduction to Aviation

Code: AV28 From: 22 - 26 September 2025 City: Madrid (Spain) Fees: 5100 Pound

Introduction

The international air transport system is characterized by a complex interaction of various actors involved e.g. airport, airline, air traffic control and their specific technologies and operating procedures. Every aspect of aviation is defined and controlled by a comprehensive set of rules. Especially for someone new to the topic, understanding these complex procedures and rules can be very challenging.

This course aims to provide an introduction to aviation and an in-depth overview of correlations between air operations and technical matters in selected areas of responsibility of the various stakeholders.

During the course, the participants will be introduced to the national and international legal framework which is of great importance for all participating actors. Then, the functions and tasks of the different key players airport, airline, air traffic control and their interaction with each other are discussed in detail. In addition, the basic procedures of flight operations are presented and explained from the point of view of all organizations involved.

Upon successful completion of this course, the delegate will have gained a foundational understanding of all the aspects of flight presented in the modules. The delegate will also gain a broad knowledge of multiple aviation career pathways. This course focuses on the structure of the various organizations as well as their daily operations and interfaces between them.

Course Objectives

- What are the challenges of landside and airside flight operations at the airport?
- Who are the key players?
- What does a day in the cockpit look like and how is it prepared?
- What are the operating procedures and technologies used in a flight? How do airlines interact with each other?
- How does air traffic control ensure safety at the airport and in the air?
- Which different systems are available?

Course Outlines

Day 1-2

The Introduction to Aviation course is built around the following 10 main areas:

- AVIATION HISTORY.
- BASIC AERODYNAMICS.
- INTRO TO FLIGHT SIMULATOR.
- AIRPLANE INSTRUMENTS.



- AVIATION CHARTS.
- NAVIGATION.
- FLIGHT CALCULATIONS.
- AVIATION WEATHER.
- WEIGHT AND BALANCE.
- PREDICTING AIRPLANE PERFORMANCE.

Day 3

Role and function of world aviation organizations

- International regulations ICAO, IATA, FAA.
- European requirements EASA, EUROCONTROL.
- National regulations CAA.

Day 4

Airports

- Airport organization and infrastructure:
 - Runway, taxiway, apron.
 - Terminal configuration.
 - Technical Infrastructure.
- Operation:
 - Airside operations.
 - Landside operations.

Day 5

Air Traffic Management Basics

- Long and short-term planning strategic, tactical, operational levels.
- ATC-Slot, NetworkManager.
- Airport Slot, Airport coordination.
- Airport Collaborative Decision Making A-CDM.



Blackbird Training Cities

Europe



Malaga (Spain)



Sarajevo (Bosnia and Herzegovina)



Oporto (Portugal)



Glasgow (Scotland)



Edinburgh (UK)



Oslo (Norway)



Annecy (France)



Bordeaux (France)



Copenhagen (Denmark)



Birmingham (UK)



Lyon (France)



Moscow (Russia)



Stockholm (Sweden)
(Netherlands)



Podgorica (Montenegro)



Batumi (Georgia)



London (UK)



Istanbul (Turkey)



Amsterdam



Düsseldorf (Germany)



Paris (France)



Barcelona (Spain)



Munich (Germany)



Geneva (Switzerland)



Prague (Czech)



Vienna (Austria)



Rome (Italy)



Brussels (Belgium)



Madrid (Spain)



Berlin (Germany)



Lisbon (Portugal)



Zurich (Switzerland)



Manchester (UK)



Milan (Italy)



Blackbird Training Cities

USA & Canada



Los Angeles (USA)



Orlando, Florida (USA)



Online



Phoenix, Arizona (USA)



Houston, Texas (USA)



Boston, MA (USA)



Washington (USA)



Miami, Florida (USA)



New York City (USA)



Seattle, Washington (USA)



Washington DC (USA)



In House



Jersey, New Jersey (USA)



Toronto (Canada)

Africa



Baku (Azerbaijan)
(Thailand)



Maldives (Maldives)



Doha (Qatar)



Manila (Philippines)



Bali (Indonesia)



Bangkok



Beijing (China)



Singapore (Singapore)



Sydney (Australia)



Tokyo (Japan)



Jeddah (KSA)



Riyadh (KSA)



Dubai (UAE)



Kuala Lumpur (Malaysia)



Kuwait City (Kuwait)



Pulau Ujong (Singapore)



Jakarta (Indonesia)



Amman (Jordan)



Beirut (Lebanon)



Blackbird Training Cities

Asia



Kigali (Rwanda)



Cape Town (South Africa)



Accra (Ghana)



Lagos (Nigeria)



Marrakesh (Morocco)



Nairobi (Kenya)



Zanzibar (Tanzania)



Tangier (Morocco)



Cairo (Egypt)



Sharm El-Sheikh (Egypt)



Casablanca (Morocco)



Tunis (Tunisia)



Blackbird Training Clients



UK Training
PARTNER



Blackbird Training Categories

Management & Admin

Professional Skills
Finance, Accounting, Budgeting
Media & Public Relations
Project Management
Human Resources
Audit & Quality Assurance
Marketing, Sales, Customer Service
Secretary & Admin
Supply Chain & Logistics
Management & Leadership
Agile and Elevation

Technical Courses

Hospital Management
Public Sector
Special Workshops
Oil & Gas Engineering
Telecom Engineering
IT & IT Engineering
Health & Safety
Law and Contract Management
Customs & Safety
Aviation
C-Suite Training



International House 185 Tower Bridge
Road London SE1 2UF United Kingdom



+44 7401 1773 35
+44 7480 775526



Sales@blackbird-training.com



www.blackbird-training.com

UK Training

PARTNER

