BLACKBIRD
FOR TRAINING

Effective Introduction to Aviation

Tunis (Tunisia)

12 - 16 October 2025

UK Traininig

PARTNER

Effective Introduction to Aviation

Code: AV28 From: 12 - 16 October 2025 City: Tunis (Tunisia) Fees: 4400 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.

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- 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.

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