



Pilot Training

H130 Recurrent Training Course

2 Days

Ground School

9 Hours (2 Days)

Sim

0 Hours

Flight

1.5 Hours per Student



SCOPE:

This course will provide complete Recurrent Pilot Ground School on the H130 Helicopter. Classroom instruction, the Pilot Training Manual, and various handouts, will provide complete information for a thorough understanding of the aircraft and its engine and related systems, with emphasis on Flight Manual usage including Normal and Emergency Procedures.

OBJECTIVE:

To refresh the trainee's fundamental knowledge of the aircraft necessary to conduct safe and efficient ground and pre-flight operations in the H130 Helicopter and to introduce the trainee to any operational changes due to variations in aircraft systems or procedures. Upon completion of this course the trainee should be able to conduct operations, within the limits of Aircraft Ground School, safely and efficiently.

COURSE PREREQUISITES:

Acceptance into this course is based upon these requirements:

- A current FAA issued Helicopter Pilot Certificate
- Valid Medical Certificate
- Multi-Engine Experience
- Current Helicopter Experience
- Successful Completion of the H130 Transition Course
- Attended a H130 Course within past 5 years

In special circumstances any of the above requirements may be waived with the approval of Airbus Helicopters, Inc.'s Chief Flight Instructor.

NOTICES:

Airbus Helicopters, Inc. reserves the right to notify customer of the occurrence of any force majeure condition that, in its sole discretion, is the cause of excusable delay. In the event of a force majeure condition, the services and/or classes will be extended or, if required, rescheduled for the first available opening. Airbus Helicopters, Inc. will not be liable for any costs, claims, or damages to customer or its employees arising from delays or interruptions caused by any force majeure condition.

The stated duration of the course is based on two student pilots per course. Additional student pilots may change the duration of the flight portion of the course. Airbus Helicopters Inc. instructor pilots fly a maximum of 4.5 hours per day.



Ground School

9.0 hours

Day 1

Registration and Orientation

0.2 hours

SCOPE: This block of instruction will cover registration and the course outline, Airbus Helicopters, Inc. Training School Operations, and an orientation of the facility.

Flight Manual and Limitations

0.7 hours

SCOPE: This block of instruction will cover a comprehensive review of aircraft and flight limitations.

VEMD

0.5 hours

SCOPE: This block of instruction will cover aircraft and flight limitations. A review questions segment will be conducted on the material presented.

Structure and Landing Gear

0.5 hours

SCOPE: This block of instruction will cover the basic structure of the helicopter including doors, cowlings, and the skid type landing gear. Additionally, caution / warning panel lights and relevant emergency procedures will be reviewed.

Main Rotor Drive System and Main Rotor

0.5 hours

SCOPE: This block of instruction will cover the main gearbox and its oil cooling system, main rotor mast, hub and its components. Relevant emergency procedures will be reviewed.

Tail Rotor Drive System and Tail Rotor

0.5 hours

SCOPE: This block of instruction will cover the tail rotor gearbox, the tail rotor, their components, and monitoring systems. Relevant emergency procedures will be reviewed.



Day 1 continued

Servo Actuators and Hydraulic System

0.5 hours

SCOPE: This block of instruction will cover the hydraulic system including the servo actuators. System functions and operation including hydraulic tests will be covered. Relevant emergency procedures will be reviewed.

Environmental Control System

0.5 hours

SCOPE: This block of instruction will cover the heating and air conditioning components and operation as installed in the H130. Relevant failures and Caution Warning Panel indications will be reviewed.

Electrical Power System

0.6 hours

SCOPE: This block of instruction will cover the direct current power sources, power system components, and their functions and operation. Relevant emergency procedures will be reviewed.

Pitot Static System, Seating and Lighting

0.3 hours

SCOPE: This block of instruction will cover the pitot heating system, seating and configuration, and interior and exterior lighting operation. Relevant Caution Warning Panel indications will be reviewed.

Fuel System

0.5 hours

SCOPE: This block of instruction will cover the fuel system components and their functions; fuel system operation, and monitoring. Relevant emergency procedures will be reviewed.

Engine and Engine System

0.5 hours

SCOPE: This block of instruction will review the Arriel engine, engine mounting, and the engine oil cooling system and oil monitoring system to include system components and their location, system operation, and their main features. Relevant emergency procedures will be reviewed.



Day 2

Engine Fuel Control

0.6 Hours

SCOPE: This block of instruction will review the engine controls, the operation principle of the engine controls, and the engine control linkage components and their location. Also reviewed will be the FADEC and EBCAU. Relevant emergency procedures will be reviewed.

Engine Parameter Monitoring

0.6 Hours

SCOPE: This block of instruction will review engine power monitoring of the gas generator, the power turbine inlet temperature, and torque, including the location of the indicators. Relevant emergency procedures will be reviewed.

Engine Failures and Fire Detection

0.6 Hours

SCOPE: This block of instruction will review the engine fire detection system and indicators. Also covered will be autorotation and engine relight procedures. Engine failures will be reviewed.

Performance and Weight & Balance

0.6 Hours

SCOPE: This block of instruction will review various Performance Charts and the Weight & Balance Charts, as well as their usage and their application.

Flight Brief

0.2 Hours

SCOPE: This block of instruction will cover a general flight brief and an overview of KGPM airport.



Flight Training

1.5 Hours

Flight 1

1.5 hours

- Start-up/shut-down
- Flight maneuvers
- Tail rotor control failures
- Optional maneuvers (slopes, confined area, etc.)
- Hover & hover taxi auto-rotations
- Straight-in 180 auto-rotations