Pilot Courses

IN-HOUSE FLIGHT OPS

Top skills

• Normal & emergency procedures for mission systems
• Vehicle management
• Precise & safe trajectory hovering
• Adaptation to operational environment

+ Flights successfully completed in operational environment based on mission scenario

FAVOURITES

Top skills

• Normal & emergency procedures for the following systems: SAR, O&G, PBA, EMS
• Phraseology & Multi Crew procedures
• Vehicle management

+ Specific flight profiles according to mission purpose

ROLE TRAINING

Top skills

• Normal & emergency procedures for mission systems
• Phraseology & Multi Crew procedures
• Vehicle management

+ Specific flight profiles according to mission purpose

TYPE RATING

Top skills

Normal & emergency procedures on all flight phases
• Take-off
• Basic navigation
• Landing

PRE-ENTRY LEVEL ENGLISH SELF-ASSESSMENT

PRE-ENTRY LEVEL TRAINING
Annual Key Figures
Airbus Helicopters Training Services

121 COURSES ON CUSTOMERS’ SITES
around the world

13,000 H COURSE DEVELOPMENT
for tailored courses

2,800 HOURS SIMULATION & FLIGHT
in Marignane

18 TRAINING CENTRES
around the world

+2,500 TRAINEES
in Marignane

95% OF PILOT TRAINEES SATISFIED
with the skills they have learnt during our pilot courses

Training Contents
04 > HCare Training
08 > Pre-Entry Level Training
12 > Type Rating
16 > Training Network
20 > Favourites
21 > Role Training
28 > Flight Ops
29 > Learner Portal
An optimal training offer whatever your requirements in one of our 18 training centres or on the customer’s premises around the world. Customers can choose from three lines of services depending on their operational need: **Graduate**, **Master** and **Honors**. Modules vary from pre-entry level courses to fully-customised solutions.
An optimal training offer whatever your requirements in one of our 18 training centres or on the customer’s premises around the world.

Customers can choose from three lines of services depending on their operational need:

- **Graduate**
- **Master**
- **Honors**

Modules vary from pre-entry level courses to fully-customised solutions.

**Type Rating**

- Initial/Additional Type Rating
- Difference
- Type Rating Renewal
- Type Rating Instructor
- Type Rating Examiner

**FAVOURITES**

- Oil & Gas
- Search & Rescue
- Emergency Medical Services
- Private Business Aviation

**ROLE TRAINING**

- Recurrent Emergency
- Night Vision Goggles
- Firefighting
- Maintenance Check Flight
- Mountain

**PRE-ENTRY LEVEL (PEL)**

- PEL Night Vision Goggles
- PEL Multi-Engine
- PEL Turbine Engine
- PEL Multi Crew Cooperation

**FLIGHT OPS**

1. In-house Training after Flight Ops
2. Autonomy

**In-house Training after Role Training**

1. Autonomy
2. In-house Training after Favourites

**Autonomy**

In-house Training to be done by the customer for mission-readiness.

Level of autonomy in everyday operations after training.

**FREE ENGLISH SELF-ASSESSMENT**

PRE-ENTRY LEVEL (PEL)
Pilot Training

Available modules

Type Rating
- Initial / Additional Type Rating
- Difference
- Type Rating Renewal
- Type Rating Instructor / Examiner

Type Rating
- Initial / Additional Type Rating
- Difference
- Type Rating Renewal
- Type Rating Instructor / Examiner

Favourites
- Oil & Gas
- Search & Rescue
- Emergency Medical Services
- Private Business Aviation

Optional Courses
- PEL Multi-Engine
- PEL Multi Crew Cooperation
- PEL Turbine Engine
- PEL Night Vision Goggles

- Firefighting
- Mountain
- Night Vision Goggles
- Maintenance Check Flight
- Recurrent Emergency

Honors
- Flight Ops

Fully-customised training programme & means
# HCare

## Competency-based training for pilots

### Pre-Entry Level
- **Self-assessment**
  - Free

### Pre-Entry Level Training
  - Option

### Type Rating
**Top skills**
- Normal & emergency procedures on all flight phases
  - Take-off
  - Basic navigation
  - Landing

### Favourites
**Top skills**
- Normal & emergency procedures for the following systems: SAR, O&G, PBA, EMS
- Phraseology & Multi Crew procedures
- Vehicle management
  - Specific flight profiles according to mission purpose

### Role Training
**Top skills**
- Normal & emergency procedures for mission systems
- Phraseology & Multi Crew procedures
- Vehicle management
  - Specific flight profiles according to mission purpose

### Flight Ops
**Top skills**
- Normal & emergency procedures for mission systems
- Vehicle management
- Precise & safe trajectory hovering
- Adaptation to operational environment
  - Flights successfully completed in operational environment based on mission scenario
PRE-ENTRY LEVEL TRAINING

Reinforce fundamental skills & increase awareness of the flight environment
Pre-Entry Level Night Vision Goggles

An introductory course to focus on the principles of night orientation & applicable procedures for night flight

pre-requisite for Night Vision Goggles course

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**Top skills**

At the end of the PEL NVG course, the pilot is able to:

- Take-off, land & fly by day with NVG flight profiles
- Fly at very low altitude
- Understand the methodology for off-airfield landing
- Understand IIMC risk management

---

**NIGHT FLIGHT GENERALITIES**

- NVG equipment
- Working principles
- Night environment
- Low-level piloting techniques
- Take-off, approach & landing

**WEATHER CONDITIONS & PROCEDURES**

- Inadvertent entry into Instrument Meteorological Conditions (IIMC)
- Pre-flight weather planning
- Avoidance & recovery
- Off-airfield landing procedures
- Navigation methods

---

Balance between theory & practice

1 day Theory + 6 h Flight
PEL Turbine Engine

An introductory module for a first Type Rating on a Turbine Engine aircraft

pre-requisite for pilots qualified on Piston Engine seeking qualification on Turbine Engine helicopters

> Can be added to Initial Type Rating course

Top skills

At the end of the Turbine Engine course, the pilot understands:
- Normal & emergency turbine operations, governing

PEL Multi-Engine

A 3-day course to prepare for a first Type Rating on a Multi-Engine aircraft

pre-requisite for pilots qualified on Single Engine seeking qualification on Multi-Engine helicopters

AIRCRAFT

GENERALITIES
- Transmission, airframe & fuel system
- Engines
- Hydraulic & electrical systems
- Emergency systems

FLIGHT PLANNING & PERFORMANCE
- Regulations, documentation
- Cat A & Cat B operations
- Performance classes

Top skills

At the end of the Multi-Engine course, the pilot understands:
- Normal & emergency procedures for Multi-Engine on all flight phases
- System & regulation, flight planning, flight profile
- Operational procedures & performance
PEL Multi Crew Cooperation

Increased performance and effective management of available resources

pre-requisite for pilots qualified on Single Pilot configuration seeking qualification on Multi Pilot configuration

5 days Theory + 10 h Flight*  *20 h if MCC is completed separately from the Type Rating

Reinforce the role of the pilot in command within the aircrew

Learn about judgement & decision making in demanding environments

Acquire management skills to address challenges of human interactions

HUMAN FACTORS
Situational awareness decreasing risk of human error

CREW RESOURCES
Pilot phraseology, better communication & speak-up culture

MANAGEABLE STRESS LEVEL
Identify responsibilities & manage stress of the aircrew

Top skills

At the end of the MCC course, the pilot:

- Understands the role of the pilot in command within the aircrew
- Is able to cooperate with the pilot in command or lead as a pilot in command
TYPE RATING

Initial & Additional Type Rating

> Covering stringent civilian airworthiness requirements

> Optimised learning environment with a sound balance between theory & practice

> Safety-oriented instruction

Top skills

At the end of the Type Rating, the pilot is able to fly the aircraft and can apply normal & emergency procedures on all flight phases:

- Take-off
- Basic navigation
- Landing
Initial Type Rating
A Part-FCL course for a first qualification on:
Turbine Engine, Single Engine Turbine (SET), Multi-Engine Turbine (MET), Single Pilot or Multi Pilot Helicopter

<table>
<thead>
<tr>
<th>PILOT IS QUALIFIED ON</th>
<th>PILOT NEEDS QUALIFICATION ON</th>
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<tr>
<td>Single Engine Piston</td>
<td>PEL Turbine + Initial TR</td>
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<tr>
<td>Single Engine Piston</td>
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<tr>
<td>Single Engine Piston</td>
<td>PEL Multi-Engine + Initial TR</td>
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<tr>
<td>Single Engine Turbine</td>
<td>PEL Multi-Engine + Initial TR</td>
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<tr>
<td>Multi-Engine Turbine</td>
<td>Initial Type Rating combined with PEL MCC</td>
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Additional Type Rating
A Part-FCL course for a new Type Rating within the same category:
Single Engine Turbine (SET), Multi-Engine Turbine (MET), Single Pilot or Multi Pilot Helicopter

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<td>Single Engine Turbine</td>
<td>Additional Type Rating</td>
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<tr>
<td>Multi-Engine Turbine</td>
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<tr>
<td>Multi-Engine Turbine</td>
<td>Additional Type Rating</td>
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**Difference Training**

*Flexibility within Airbus aircraft families*

*save up to 7 days compared to Initial Type Rating*

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**ESSENTIAL DIFFERENCES COVERED FOR ECUREUIL VARIANTS:**

- Hydro-mechanic regulation
- Automatic regulation in normal operation (FADEC) and VEMD
- Automatic regulation in back-up operation (EBCAU)
- H130: Fenestron & flight controls on the left

---

**ESSENTIAL DIFFERENCES COVERED FOR DAUPHIN VARIANTS:**

- Hydro-mechanic regulation
- Digital engine control unit (DECU)
- Avionics system
- Autopilot
- Dual-channel full authority digital engine control (FADEC)

---

**ESSENTIAL DIFFERENCES COVERED FOR SUPER PUMA VARIANTS:**

- Engine, rotors, rotor heads,
- Engine control & governing systems
- Flight control system & FMS

---

Soon available for aircraft equipped with Helionix Suite
Digital Training Means

Helionix Trainer
A Helionix Advanced Tool Simulator available worldwide on Helionix aircraft

- Cockpit training: pre-start, start, stop procedures
- Interactive procedure training: normal & emergency operations
- Automatic & manual reconfigurations
- System failures
- Autopilot modes

Light Training Device (LTD)
A highly capable tool to practice on autopilot & Flight Display System

- Different autopilot modes
- Autopilot protections
- Loss of sensors & reconfiguration

Aircraft System Emulators
Portable solutions to familiarise with specific systems

- Flight Display System (FDS)
- Vehicle & Engine Monitoring Display
- Normal & emergency operations: hydraulic system, electrical system, fuel system

Flight Management System (CMA 9000)
A part-task trainer focusing on the precise functioning of the Flight Management System

- Practice on FMS
- Navigation & flight planning
- Smooth transition from theory to practice

e-Apps

- PC2 DLE
- Performance
- Weight & Balance
- eFML

“Bringing the aircraft into the classroom”
01. **France (Marignane)**  
Airbus Helicopters Training Services

02. **France (Marignane)**  
Helisim

03. **Germany (Donauwörth)**  
Airbus Helicopters Deutschland

04. **Germany**  
Helicopter Flight Training Services

05. **Spain**  
Airbus Helicopters España

06. **United Kingdom**  
Airbus Helicopters UK

07. **Kazakhstan**  
Eurocopter Kazakhstan Engineering

08. **USA**  
Airbus Helicopters Inc

09. **USA**  
Helisim LLC

10. **Mexico**  
Airbus Helicopters de Mexico

11. **Chile**  
Airbus Helicopters Chile

12. **Brazil**  
Helibras Helicopteros Do Brazil

13. **China**  
Airbus Helicopters China

14. **Japan**  
Airbus Helicopters Japan

15. **Malaysia**  
Airbus Helicopters Malaysia

16. **Singapore**  
Airbus Helicopters South East Asia

17. **Australia**  
Airbus Australia Pacific

18. **South Africa**  
Airbus Southern Africa
Airbus Helicopters manufacturer expertise: worldwide.
Type Rating Renewal

Maintain or renew FCL.740 proficiency if class or Type Rating expired
A personalised course content approved by authorities

**Personalised programme depending on:**
- Flight experience & required skills
- Complexity of aircraft
- Time elapsed since validity expired

**#1**
Assessment of training needs

**#2**
Validation of individual programme by authorities

**#3**
Complete training & revalidate Type Rating

*Minimum recommended training, duration and content can be different depending on ATO evaluation.*
Type Rating Instructor, Examiner, Refresher Seminar

Airbus quality standard at home
Reduce time & cost for future instructions
Balance between technical expertise & pedagogical skills

Reminder on technical knowledge:
• Basic & mission systems
• Normal & emergency procedures
• Methodology for long briefing

Applied pedagogy:
• Learning & teaching process
• Student evaluation & testing
• Training programme development

Type Rating Examiner
Initial course & Refresher seminar

Synthetic Flight Examiner
Initial course & Refresher seminar

Type Rating Instructor
Extension of privileges

Synthetic Flight Instructor
Extension of privileges

Type Rating Instructor
Initial & Refresher course

Synthetic Flight Instructor
Initial & Refresher course

Type Rating

Applied pedagogy:
• Learning & teaching process
• Student evaluation & testing
• Training programme development

Reminder on technical knowledge:
• Basic & mission systems
• Normal & emergency procedures
• Methodology for long briefing

Airbus quality standard at home
Reduce time & cost for future instructions
Balance between technical expertise & pedagogical skills

Type Rating Examiner
Initial course & Refresher seminar

Synthetic Flight Examiner
Initial course & Refresher seminar

Type Rating Instructor
Extension of privileges

Synthetic Flight Instructor
Extension of privileges

Type Rating Instructor
Initial & Refresher course

Synthetic Flight Instructor
Initial & Refresher course

Type Rating
FAVOURITES
Complete Type Rating with Favourites modules on specific configurations

Top skills
At the end of the Type Rating + Favourites, the pilot can:
• Fly the helicopter on specific mission flight profile
• Operate the mission systems: SAR, O&G, PBA, EMS
• Handle normal & emergency situations in cooperation with the aircrew when applicable

Available for all aircrew
Example of training programme for H175 PBA configuration

Oil & Gas
Dedicated to offshore missions
Rig & Fly, FCOM modules available
H175 H225
Soon available on H160

Search & Rescue
Proficiency in SAR equipment
Pilot & HHO modules available
H175 H215 H225
AS 365 N3+
Soon available on H160

Private Business Aviation
Focus on VIP configuration & management of equipment
PC1 or PC2 DLE, TWAS & ACAS modules available
H175 H225
Soon available on H160

Emergency Medical Services
Dedicated to air ambulance & rescue operations
H145

FAVOURITES
Type Rating enriched with specific equipment modules

H175 Type Rating
H175 PBA Package
Pilot Airframe Avionics
ROLE TRAINING

Choose Role training corresponding to mission requirements
Increase situational awareness
& explore mission-specific procedures

ROLE TRAINING
Training in operational environment preparing for specific missions after Type Rating

Top skills
At the end of the Type Rating + Role Training, the pilot can:
- Fly the helicopter on the specific mission flight profile
- Operate the specific mission system
- Handle normal & emergency situations in cooperation with the aircrew when applicable

Made for mission:
Competency-based modules to conduct complex helicopter missions in harsh environments
ROLE TRAINING
# Firefighting

Supporting the work of brigades to combat or contain the fires

Focusing on fire behaviour, piloting techniques & mission equipment (simplex and/or bambi bucket)

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**pre-requisites for Firefighting course**

**HELICOPTER UNDERWATER ESCAPE TRAINING (HUET)**

- 1 day Theory & Practice

**EXTERNAL LOAD**

For operations with bambi bucket

- 2 days Theory* + 3 h Flight

*Instruction in partnership with the Fire Brigade

*Reduced to 1 day if Conversion to Type

---

**Part #1 Ground course**

General knowledge on fire behaviour*

- Limitations
- Operational procedures
- Particularity of the forest fire
- Mission environment: smoke, power line danger

*Ground instruction by the French School of Application of Civil Protection (ECASC)

---

**Part #2 Long briefing**

Technical knowledge on aircraft & equipment

- Installation
- Pre-flight inspections
- Mission preparation
- Emergency procedures

---

**Part #3 Flight session**

Firefighting tactics with kits & brigade coordination

- Water pick-up in various areas
- Water bombing using different types of run
- Operations with extended line
- Operations close to performance limits

---

**Top skills**

At the end of the Firefighting course, the pilot is able to:

- Fly the helicopter on firefighting mission flight profiles and can operate the mission systems in normal & emergency situations
- Understand the forest fire behaviour and can safely adapt his trajectory
- Acquire the minimum skills to safely continue the training in his operational environment to reach mission-readiness
Mountain

Operate safely with maximised performance in mountain environments

INITIAL MOUNTAIN

Principles of mountain flight

- Aircraft performance in altitude
- Weather conditions
- Mountain departure, approach, overshoot & landing path

1 day Theory + 8 h Flight

ADVANCED MOUNTAIN

For pilots with experience on basic mountain flight

- Customised training programme to operate in the most challenging conditions for experienced pilots
- Can be adapted to the season

1 day Theory + 7 h 30 Flight

Top skills

At the end of the Mountain course, the pilot is able to:
- Understand the mountain environment and adapt his trajectory
- Acquire the minimum skills to safely continue the training in his operational environment to reach mission-readiness
Night Vision Goggles

Prepare night operations with Night Vision Goggles

**PRE-ENTRY LEVEL NVG**

pre-requisite for Night Vision Goggles course

- Low-level piloting techniques
- Applicable regulations & procedures
- Weather conditions

**INITIAL NVG**

Proficiency for **familiar terrain**

- Night environment & flight safety
- Take-off & landing on familiar areas during night
- Memory-based navigation
- Mission planning & preparation
- Normal & emergency flight operations

**ADVANCED NVG**

Proficiency for **unfamiliar terrain**

- Flight & landing in unknown zones
- Off-airfield landing
- Obstacle detection & safety path
- Mission planning & preparation
- Normal & emergency flight operations

*Reduced to 2 days if associated to a Pre-entry level NVG course

**Top skills**

At the end of the Initial NVG course, the pilot is able to:
  - Fly with the NVG on itineraries he regularly flies by day
  - Deal with normal & emergency situations in a multi pilot configuration

At the end of the Advanced NVG course, the pilot is able to:
  - Fly with the NVG everywhere
  - Deal with normal & emergency situations in a multi pilot configuration
  - Acquire the minimum skills to safely continue the training in his operational environment to reach mission-readiness

1 day Theory + 6 h Flight

3 days Theory* + 8 h Flight

Long briefing + 8 h Flight
Maintenance Check Flight

Increase safety & reliability by performing the applicable checks after maintenance
as described in section 8 of the Flight Manual

Normal & emergency situations
Parameter check performances
Piloting techniques

1 day Theory + Flight or Simulator

Top skills
At the end of the MCF course, the pilot is able to perform the maintenance check flights as required by the section 8
Recurrent Emergency

Maintain proficiency in emergency procedures for the safest operations as described in section 3 of the Flight Manual

Theoretical instruction

- General procedures
- Specificity of the type

Flight instruction

Single Engine:
- Landing without hydraulics (single hydraulic generation)
- Engine-off landing
- Tail rotor control failure
- System failure

Multi-Engine:
- System failures, governor failure
- Auto-rotation
- Tail rotor control failure
- Engine failure during take-off, flight and landing

Top skills

The level of skills to be acquired is defined with the customer
FLIGHT OPS
Made to measure for every need

Airbus quality standard at home
Maximum capacity of aircraft
Reduced time for in-house training
Autonomy, self-reliance quickly & safely

On-site pilot assistance & mission training
Customised training including mission scenario based on the customer’s operational environment

- Support for mission preparation, mission documentation (FCOM, QRH)
- Maturation flight

Available on all aircraft

Hand-in-hand with the customer

Top skills
The level of skills to be acquired at the end of the Flight Ops is defined with the customer
Learner Portal  
Training is just one click away with the Airbus Helicopters Learning Management System (LMS)

AVAILABLE ON THE LEARNER PORTAL:

> Worldwide training offer  
> Course schedule & request  
> English self-assessment  
> Course information & material  
> Videos

Free-of-charge  
Easily accessible  
Available worldwide

“ Easily accessible services worldwide ”

ONLINE ENGLISH SELF-ASSESSMENT FOR PILOTS

• Evaluate language pre-requisites  
• Familiarise with the course level  
• Access anytime anywhere  
• Get immediate results  

1 hour

> Register at  
www.airbushelicopterstrainingservices.com
Contacts

Training, quotation & contract:
contact.ahts@airbus.com

Hotel booking & car rental:
team.booking.ahts@airbus.com
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**ATO approvals:**
EASA, CAAC, FATA

**MTO approvals:**
EASA, CAAC, FATA, TCCA, GCAA, DGCA, CASA