



## Pilot Training

# Non-Pilot Emergency Landing Training Course

5 Days

Ground School

6 Hours

Sim

2.4 Hours per Student

Flight

3.0 Hours per Student

**SCOPE:**

This course will provide basic ground instruction, simulator instruction, and flight instruction regarding the actions to be taking by a non-pilot on board a helicopter should they need to assume the flight duties of an incapacitated pilot.

**OBJECTIVE:**

To teach non-pilots the fundamentals of how to safely recover and fly the helicopter, navigate to an airport, and attempt a running landing in the event that the pilot becomes incapacitated.

NOTE: This course is NOT intended to train non-pilots to a standard level of proficiency to fly and land the helicopter, but rather, to offer instruction and techniques that may improve the likelihood of a safe landing and minimize the likelihood of severe injuries/fatalities and/or aircraft damage that would likely occur otherwise should the pilot become incapacitated during flight.

**COURSE PREREQUISITES:**

An individual may attend this course if they have employment that requires them to act as a crew member or if they intend to fly as a passenger in a helicopter for recreation, transportation, etc.

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

**DEFINITION:**

For the purposes of this course, a non-pilot is an individual or crew member onboard the helicopter that is not a helicopter pilot. It is assumed that this individual would normally be seated in a crew position with access to the flight controls.

**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.



<b>Ground School</b>	9 hours
<b>Registration and Orientation</b>	0.1 hours
SCOPE: This block of instruction will cover registration and administrative tasks, Airbus Helicopters, Inc. Training School Operations, and an orientation of the facility.	
<b>Intro and General Overview of Course</b>	0.1 hours
SCOPE: This block of instruction will cover a general overview of the course, class schedule, and what to expect to learn for the week.	
<b>Basics of Helicopter Flight</b>	2.3 hours
SCOPE: This block of instruction will cover basic physical and aerodynamic principles of helicopter flight. Elements will include definitions of helicopter components and flight controls, aerodynamics of forward flight, use of the flight controls, etc..	
<b>Overview</b>	0.5 hours
SCOPE: This block of instruction will cover a basic overview of the AS350 and its flight controls and their features including engine controls.	
<b>Navigation and GPS</b>	0.4 hours
SCOPE: This block of instruction will cover basic aircraft navigation utilizing Garmin 430 and 530 GPS.	
<b>Radio Calls</b>	0.4 hours
SCOPE: This block of instruction will cover radio communications. This will include communication with ATC, emergency radio communications, using the transponder and scenarios regarding radio communications.	
<b>Running Landing</b>	0.2 hours
SCOPE: This block of instruction will cover planning and performing a running landing.	



### **Taking Control**

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.

### **Flight Breifing Pre/Post Flight**

1.5 hours

SCOPE: This block of instruction will cover six individual briefings for the three flights. One before flight briefing of 15 minutes (0.25 hours) and one post flight briefing of 15 minutes (0.25 hours) hours.



## **Course Completion**

Upon the completion of all course activities, a certificate of completion and a copy of their Record of Training will be presented to the non-pilot in training.

## **Course Completion with Optional Performance Grading**

Upon the completion of all course activities, a certificate of completion and a copy of their Record of Training will be presented to the non-pilot in training.

When optional performance grading is used, upon the completion of all course activities, a final grade is recorded on the front of the Record of Training for each of the four primary tasks. These grades reflect the maximum performance attained during the non-pilot's course activities. The grades recorded are not to be considered completion standards but can be used to help influence training that the non-pilot may receive in the future.

The ground instruction, simulator lessons, and flight lessons are to help non-pilots to perform four primary tasks. These tasks are: recover from an unusual attitude, navigate via GPS to a suitable landing site, perform appropriate radio communications and perform a running landing.

As each non-pilot in training progresses through the course, performance grades can be recorded on their Record of Training to reflect their performance on each of the primary tasks.

The performance grades are:

- 3: The non-pilot in training is able to perform the task without help or intervention from the instructor pilot
- 2: The non-pilot in training is able to perform the task with some help or intervention from the instructor pilot
- 1: The non-pilot in training is unable to perform the task without help or intervention from the instructor pilot

**NOTE:** It is recommended to use performance grading for non-pilots who have employment that requires them to act as a crew member.