

PROFESSIONAL AVIATION TRAINING

# Leonardo Advanced Energy Management

*Course Information*

The Advanced Energy Management Course increases a pilot's understanding of helicopter aerodynamics, provides training opportunities to apply new information and introduces techniques to be used by pilots to improve control of the helicopter and rotor energy during normal & abnormal operations.

The ground school will review aerodynamic forces which act on the aircraft during ground and in flight operations. Training material will investigate environmental effects on the aircraft, aircraft and Category A performance profiles, energy management planning and rotor energy management during autorotations. The ground school lesson is interactive allowing pilots to view various aspects of decent rates, airspeeds and rotor RPM to assess how controlling these facets of helicopter performance impact the aircraft using dynamic aircraft charts.

Flight training will expand upon the ground school providing the pilots an opportunity to enhance operational knowledge and develop techniques to manage aircraft performance. During normal and abnormal training scenarios, pilots will focus on Crew Resource Management, Energy Situational Awareness and techniques to control the kinetic and potential energy available to them while flying the aircraft. Flight training will place aircrews in challenging situations where they will need to understand aircraft performance charts if they are to maximize aircraft and rotor energy. The debriefing period will allow the crew to assess the scenarios and the outcome of each maneuver to develop techniques improve their understanding of the available energy in response to emergency conditions.

Course Curriculum	6.0 Hours
<b>Course Module</b>	<b>1 Day</b>
Ground School	2.5 Hours
Briefing/Debriefing	1.5 Hours
Simulator (Pilot Flying)	2.0 Hours
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Leonardo AW139	

**This is a core course for the curriculum leading to designation as a Master Aviator.**

**Simulator Training** - All simulator training listed above is pilot flying time. Pilot Monitoring time is available if training as a crew or if paired with another client. If a FlightSafety Instructor is used as a second crew member, an additional fee will be charged. Completed in a Level D device.

**Course Dates** - This course is scheduled upon request. Please contact any of the Learning Centers listed below for scheduling.

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**Training Locations & Contact Information**

Lafayette, Louisiana • 866-961-3864 • 337-408-2900 • [lafayette@flightsafety.com](mailto:lafayette@flightsafety.com)