

Commercial Training:



AIR ECHO ALPHA 51, LLC.

Objective: Outline for Commercial Certification Processes

Flight Training

Advanced Aircraft Check-out & Familiarization

- Complex Aircraft
 - Retractable landing gear,
 - Flaps
 - Controllable pitch propeller
- Technically Advanced Airplane
 - Electronic Primary Flight Display (PFD) that includes, an airspeed indicator, turn coordinator, attitude indicator, heading indicator, altimeter, & vertical speed indicator
 - Electronic Multifunction Display (MFD) that includes, a moving map using GPS navigation with the aircraft position displayed
 - Autopilot (two axis) integrated with the navigation & heading guidance system

Take-off & Landings

- Normal TO & Landings
- Crosswind TO & Landings
- Short & Soft Field TO & Landings
- Simulated Power-off 180° Accuracy Approach to a landing
- Go-around/Rejected Landings

Slow Flight & Stalls

- Maneuvering during Slow Flight
- Power-off Stalls
- Power-on Stalls
- Accelerated Stalls
- Spin awareness

Performance & Ground reference maneuvers

- Steep Turns
- Steep Spirals
- Chandelles
- Lazy Eights
- Eights on Pylons

Basic Instrument Maneuvers

- Fundamental Skills & Instrument Scan
- Straight & Level
- Climbs & Descents- Constant Rate / AS
- Turns
 - Magnetic Compass Turns
 - Timed Turns
 - Standard Rate
 - Climbing & Descending Turns

Advanced Instrument Maneuvers

- Unusual Attitude Recovery
- Stalls
- Steep Turns
- Partial Panel

Systems, Equipment, & Instrument Failures & Emergencies

- Emergency Descent/Slips
- Emergency Approach & Landings
- Loss of Communication

Cross-Country Flight Training

Dual Cross-Country Flight Training

- Pre-flight Preparation & Procedures - Route planning, nav aids, altitude selection, airspace, obstructions, oxygen, charts & alternates
- Navigation – Pilotage, dead reckoning, GPS, VOR
- Lost Procedures / Diversions
- ATC / Flight following
- FSS / Flight Plan/ Pilot Reports

Night operations & cross-country

- Pre-flight Preparation & Procedures
- Navigation – Pilotage, dead reckoning, GPS, VOR
- Lost Procedures / Diversions
- ATC / Flight following
- FSS / Flight Plan/ Pilot Report
- Illusions/ risks

Solo Cross Country

- +300 nautical miles total distance
- Landings at a minimum of 3 points
 - 1 point with a straight-line distance of at least 250 nm from the original departure point

Test Prep

Review & Test Prep

- Complete Practical Prep Test
- Dual & Solo flights (Airman Certification Standards)

Written Test

Aeronautical experience

250 hours Total Flight Time

- 100 hours - Flight time in Powered Aircraft
- 50 hours - Flight Time in Airplanes

100 hours Total PIC Time

- 50 hours - Airplanes
- 50 hours - Cross-Country

20 hours Dual Instruction

- 10 hours - Instrument Training
- 10 hours - Complex - or -Technically Advanced Aircraft
- 2 hours Cross-County Day >100nm straight line distance
- 2 hours Cross-County Night >100nm straight line distance
- 3 hours - Prep for Commercial Check-ride

10 hours Solo Flight

- Cross-County Day > 300nm
 - Landings @ 3 points w/t 1 > 250nm
- Night VFR, 10 T.O. & Landings at a towered airport