

# Private Pilot / Airplane Single Engine Land

## Reading

### Required

Airplane Flying Handbook FAA-H-8083-3

Pilot's Handbook of Aeronautical Knowledge AC 61-23C

FAR / AIM

Practical Test Standards

Private Pilot for Airplane Single Engine Land

(The above are available online at no charge from the F.A.A.)

Private Oral Exam Guide

Pilot's Operating Handbook for training aircraft

### Recommended

Aviation Weather AC 00-6A

Aviation Weather Services AC 00-45E

(The above are available online at no charge from the F.A.A.)

Gleim Private Pilot FAA Knowledge Test Prep

Stick and Rudder by Wolfgang Langewiesche

AOPA Membership

(6 month membership and subscription to Flight Training magazine available free)

## Supplies

### Required

A/FDNE

New York Sectional Chart

Logbook

Plotter

E6B

Fuel Strainer

Flashlight

View Limiting Device

### Recommended

Boston Terminal Chart

Headset

Kneeboard

## Requirements

- At least 17 years old (16 years old for solo flight)
- Able to read, write, speak and understand the English language
- Take F.A.A. Knowledge Exam and pass with at minimum grade of 70  
*60 multiple choice questions / 2.5 hour time limit*  
*Preparation for the exam may be home study, an organized ground school or ground training with an instructor.*  
*An instructor endorsement is required to take the exam*
- Obtain a Third Class Medical Certificate from an Aviation Medical Examiner  
*Valid for 36 months if under 40 years old / 24 months otherwise, this Medical Certificate will also be your Student Pilot Certificate after your instructor endorses it and your logbook for solo flight.*
- Accumulate Flight Experience as listed:

40 hours TOTAL TIME of which

20 hours are flight training with an instructor (dual) including

3 hours of flight by reference to instruments

3 hours of cross-country flight

3 hours of night training including

1 cross country of 100 Nautical Miles total distance

10 takeoffs and landings to a full stop

3 hours in preparation for the Practical Test within 60 days of the test

10 hours of solo flight in an airplane including

5 hours of cross-country flight

1 solo cross-country flight of 150 Nautical Miles total distance

1 leg must be at least 50 Nautical Miles from the point of departure


The flight must include 3 full stop landings at 3 different points

3 takeoffs and landings to a full stop at an airport with an operating control tower

*NOTE: The Flight Experience requirements are minimums. Actual time will vary with the student.*

- Pass the Practical Test with an Examiner  
The test will consist of a ground portion including an Oral Exam, review of the results of the Written Exam and a flight portion to demonstrate proficiency in the airplane as detailed in the Practical Test Standards.

## Stage 1 / Pre-Solo

 Introduction to flight

 Preflight Procedures

- Weather Briefing
- Aircraft Preflight Inspection
- Checklists and their use


 Airport Operations

- Ground Operations
- Taxi clearance
- Taxi procedures
- Signs and markings

 Four Fundamentals of Flight


- Straight and Level
- Climbs
- Descents
- Turns (including turns while climbing and descending)

 Speed changes / Slow Flight


 Stalls and Stall Awareness (including Spin Awareness)




 Steep Turns

 Ground Reference Maneuvers

 Takeoffs and Landings


- Normal conditions
- Crosswind conditions
- Short field
- Soft field
- Multiple flap configurations
- Balked landing / Go-around
- Forward Slip


-  Emergency Procedures
  - Takeoff emergencies
  - Landing emergencies
  - In Flight emergencies
  - Light Gun signals

-  Aeronautical Decision Making
-  Aeromedical Factors
-  Spatial Disorientation


-  Post-Flight Procedures
  - After Landing
  - Parking and Securing

-  Pre-Solo Written Exam


-  Stage Check / flight with another instructor

-  Solo Endorsement and Solo Flight
  - Subject to limitations as per flight instructor*


## **Stage 2 / Cross Country, Night and Instrument Flight**

-  Navigation
  - Pilotage
  - Dead Reckoning
  - Radio Navigation
  - GPS Navigation

-  Flight Plans / Preparing, Filing and Closing

-  Weight and Balance

-  Airplane Performance Charts

-  Basic Flight By Reference To Instruments (A Review of the Four Fundamentals)
  - Straight and Level
  - VOR Tracking
  - Climbs
  - Descents
  - Turns (including turns while climbing and descending)
    - The 180 degree turn*
  - Unusual attitudes

- ✈ Night Flying
  - Ground Operations
  - Aircraft Lighting
  - Airport Lighting
  - Night Cross-Country

- ✈ Stage Check / Flight with another instructor

- ✈ Solo Cross Country Flight Endorsement  
*Subject to limitations and planning per flight instructor*

### **Stage 3 / Practical Test Preparation**

- ✈ Review of all material covered to date
- ✈ Demonstration of flight proficiency at per Practical Test Standards
- ✈ Using Integrated Airmen Certification and/or Rating Application (IACRA)
- ✈ Instructor endorsement for Practical Test
- ✈ Schedule and pass Practical Test with Examiner
- ✈ Obtain Private Pilot Certificate