



# Getting Started

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Girls Love to Fly

# PA.I.A Pilot Qualifications

## PILOT

Required  
Documentation

Medical  
Certificates

Privileges &  
Limitations

## AIRPLANE

Required  
Documentation

Required  
Maintenance

## TRAINING

Hours Required

Aeronautical  
Experience  
Required

## GROUND

Written Test

Oral Prep





# Pilot Documents

Government Issued ID

Pilot Certificate

Medical Certificate

(1st, 2nd, 3rd, BasicMed)

Logbook with Endorsements (Students Only)

# Medical Certificates

## 1st Class

### Required for Airlines

**Under 40:** 12 Calendar Months,  
Reverts to 3rd Class Privileges for 48  
months

**40+:** 6 months  
Reverts to 3rd Class Privileges for 18  
months

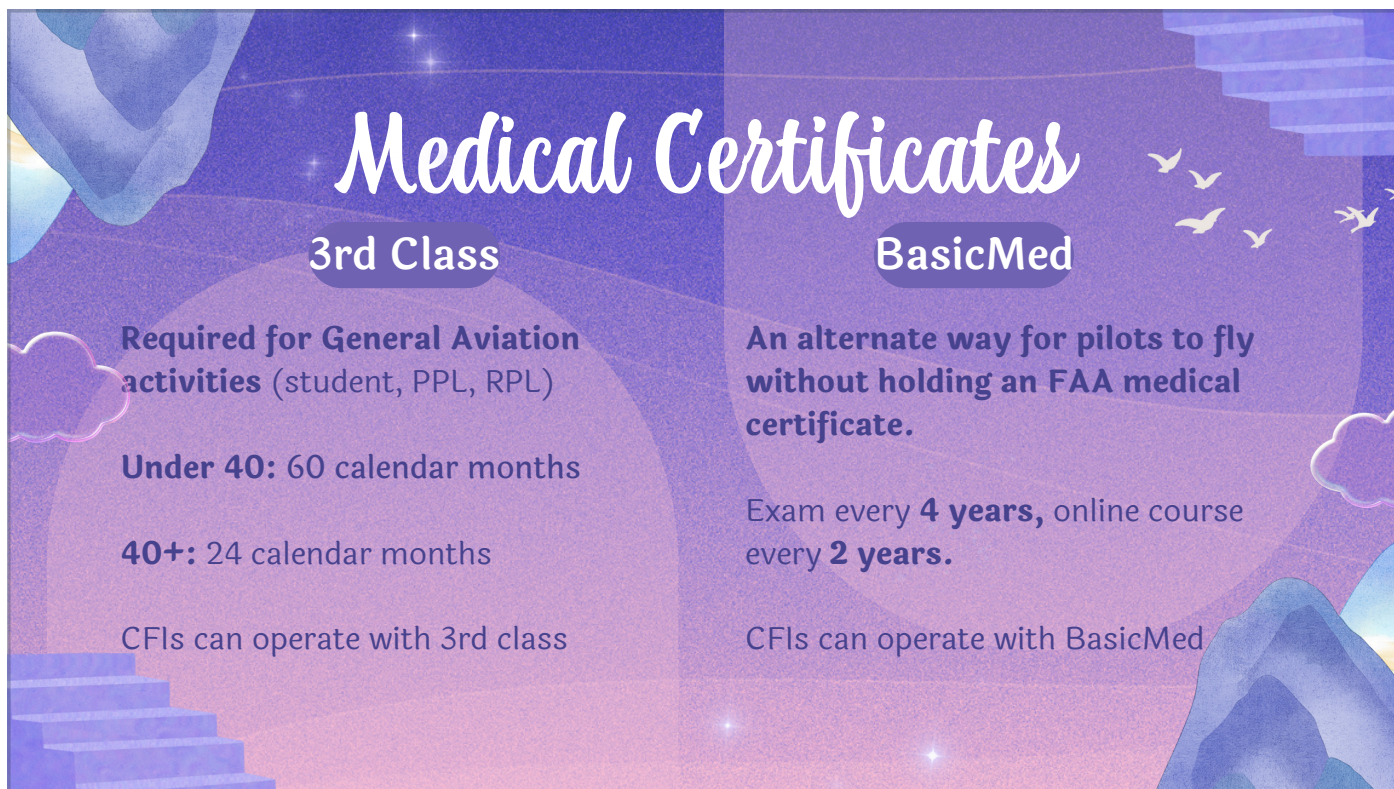
## 2nd Class

### Required for Commercial Ops

**Under 40:** 12 Calendar Months  
Reverts to 3rd Class Privileges 48  
Months

**40+:** 12 Calendar Months  
Reverts to 3rd Class Privileges for 12  
Months





The FAA considers the compensation flight instructors receive to be for teaching, not piloting. Hence, flight instructors can receive compensation for teaching while operating under BasicMed.

BasicMed is an alternate way for pilots to fly without holding an FAA medical certificate as long as they meet certain requirements. Print off a FAA Form 8700-2; BasicMed Comprehensive Medical Examination Checklist (CMEC) and get your physical exam with a state-licensed physician. Then complete an online medical course and you're ready to fly!

[https://www.faa.gov/licenses\\_certificates/airmen\\_certification/basic\\_med#:~:text=BasicMed%20is%20an%20alternate%20way,with%20a%20state%2Dlicensed%20physician.](https://www.faa.gov/licenses_certificates/airmen_certification/basic_med#:~:text=BasicMed%20is%20an%20alternate%20way,with%20a%20state%2Dlicensed%20physician.)



ELT: every 12 cal months. First five minutes of the hour. Replaced or recharged when the transmitter has been in use for more than 1 cumulative hour; or

When 50 percent of their useful life (or, for rechargeable batteries, 50 percent of their useful life of charge) has expired

Placed aft of airplane

ADs are checked based on a compliance time. Could be every year, 100 hours, or every time something specific happens like a prop overhaul



# Airworthiness

91.203, 91.9, 23.2620

## AROW

- Airworthiness Certificate
- Registration (7 years)
- Operating Manual
- Weight & Balance

## Definition

- “The status of an aircraft, engine, propeller or part when it conforms to its approved design and is in a condition for safe operation.”

“simple or minor preservation operations and the replacement of small standard parts not involving complex assembly operations.”

# Maintenance

14 CFR Part 43

## Preventive Mx

- Oil changes
- Replace/Clean Spark Plugs
- Replace safety belts
- Replenish hydraulic fluid
- Air/change tires
- Replace air filters...

91. 205, 91.213, AC 91-67

## INOP Items

- Squawk the item
- **Disconnect**
- **Placard INOP**
- Logs

“simple or minor preservation operations and the replacement of small standard parts not involving complex assembly operations.”

ATOMATOFLAMES  
FLAPS





# Ground Training

## WRITTEN EXAM

65 multiple choice questions  
All topics on ground school

## ORAL EXAM

A conversation structured  
around scenario based  
training on all ACS Topics.



# Privileges & Limitations

## Privileges

- Carry passengers
- Fly anywhere
- Fly for charity
- Aircraft salesperson
- Reimbursed by S&E or Gov.
- License to learn

## Limitations

- No pay (Pro Rata)
- VFR weather mins

# PA.II.A Preflight



Pilot



Airplane



enVironment



External Pressures

I

Illness

M

Medication

S

Stress

A

Alcohol

F

Fatigue

E

Eating/Emotion



# Cessna 150

INITIAL	START	RUN-UP	START	RUN-UP
Weather & Den. Alt. Weight & Balance Performance Req. Flight Plan - File Papers - A.R.O.W. Fuel - On Control Lock Master - On Flaps - Extend Pitot Heat - Test Lights - Int. / Ext. Fuel Gauges - True Master - Off  <b>EXTERIOR SUMMARY</b> <i>After Geographical Check</i> Fuel Quantity Fuel Quality Caps / Drains / Vents Engine / Oil / Belt Prop / Air Intake Exhaust System Stall Indicator - Test Surfaces & Controls Pitot & Static Ports Gear / Tires / Brakes Antennas Ties / Chocks Final Walk Around	Seat Track/Back - Lock Avionics - Off Carb Heat - Off Beacon - On Mixture - Full Rich Throttle - Slight Prime Brakes Prop - Clear Master - On Mags - Start Oil Pressure Lights - As Req. Mixture - As Req.  <b>PRE-TAXI / TAXI</b> Seat Belts / Harness Flaps - Up Heat / Vent / Defrost Avionics - On / Set XPDR - STBY ATIS / AWOS Altimeter - Set Radio - Test Taxi Light - As Req. Brakes - Test	Brakes - Set Fuel - On Trim - Take Flight Cont Instrument Mixture - Best Primer - In  1700 RPM Mags (R&L) Carb Heat - Vacuum Amps / Volt Oil Pressure Oil Tempera Idle - Check Throttle Fri	Seat Track/Back - Lock Avionics - Off Carb Heat - Off Beacon - On Mixture - Full Rich Throttle - Slight Prime Brakes Prop - Clear Master - On Mags - Start Oil Pressure Lights - As Req. Mixture - As Req.  <b>PRE-TAXI / TAXI</b>	Brakes - Set Fuel - On Trim - Takeoff Flight Controls Instruments Mixture - Best Pow Primer - In & Lo  1700 RPM Mags (R&L) - Tes Carb Heat - Test Vacuum Amps / Volts Oil Pressure Oil Temperature Idle - Check Clos Throttle Friction

# Review

- What do you, as a student pilot on a solo, have to have with you at all times when flying?
- What are the different medical classes?
- What maintenance is required for our airplane?
- What documents must always be on the plane?
- Can you, as a pilot, do an oil change on your airplane?
- Can you change a tire on your airplane?
- If you come across an item that is inoperative, like a light, what are the necessary steps you have to take so that the flight is permissible?
- What are some privileges & limitations you have as a private pilot?
- What does PAVE mean?
- What are we looking for on a carb heat check?



