

# Welcome



EAA Chapter 1702  
Moline, IL

 Flying Start



# Housekeeping

**Sign In** - Please make sure you sign in so we can share today's presentation with you and set you up with a free Eagle Flight!

**Restrooms** - Across the hallway from where we entered the conference room.

**Refreshments** - Feel free to grab some at any time during the program.

# Mission of Flying Start



**Our goal is to walk you through the process of learning how to fly, answer your questions, inspire you, and welcome you into the aviation community!**

# Program Outline

**WELCOME!** We're excited you've joined us!

- **Introduction to EAA and our local chapter**
- **Why do we fly?**
  - Hear from some of our members
- **What does it take to become a pilot?**
  - Flight training process
- **How to start flight training?**
  - Aircraft
  - Instructors
- **Try it out**
  - Take an Eagle Flight!





An aerial photograph of a grassy field with several experimental aircraft parked. In the center is a yellow biplane with 'NC 16667' on its wing. To its left is a white biplane with red stripes. To its right is a blue biplane with 'NC 15679' on its wing. Other aircraft are visible in the background, including a red one and a white one. A silver car is parked in the top right corner.

## EAA (Experimental Aircraft Association): We are...

A **community** of passionate aviation enthusiasts who promote and support recreational flying



# **We serve the aviation community by...**

## **Enriching the experience**

- Local chapters – 900 strong!
- Events & activities
- Monthly museum speakers
- Knowledge and information resources
- EAA webinars
- EAA *Sport Aviation* magazine
- EAA AirVenture Oshkosh

## **Inspiring new participants**

- Young Eagles
- Eagle Flights



# Our Mission

To **grow** participation  
in aviation

# Government Advocacy

- Modernization of Special Airworthiness Certificates (MOSAIC)
- Medical certification
- Transition to new aviation fuels

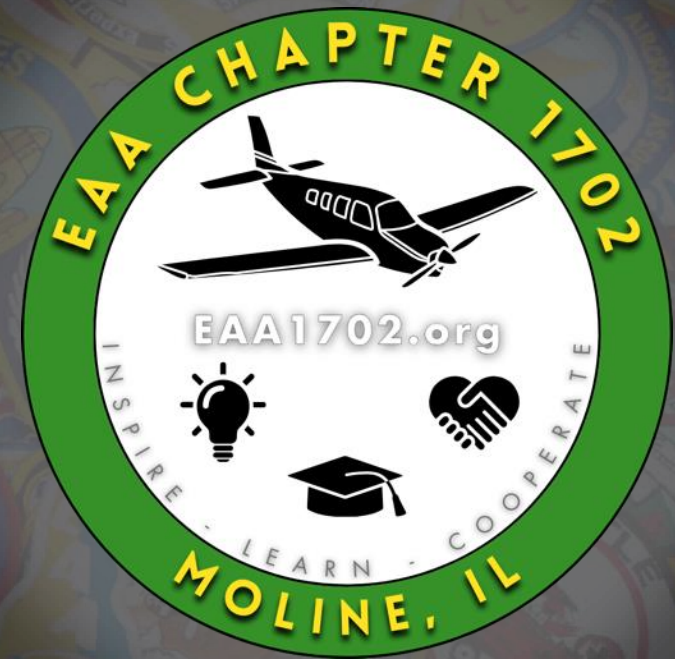




# EAA Chapter 1702

## Moline, IL

- EAA's Newest Chapter!
- ***Established March 15, 2024***
- 29 members (2024)
- Inspire – Learn – Cooperate
- VMC Club Monthly (3<sup>rd</sup> Tuesday)
- Young Eagles Flights Monthly
- Young Eagles Workshops (Summer 2024)
- Flying Start once a year (maybe more?)
- Young Eagles Flying Start (Fall 2024)
- Fundraising for 2025 Ray Scholarship



# What's on Tap for EAA Chapter 1702

- **Monthly Gathering – First Saturdays\* at 11:30am at QC Aero**
  - **Oct 25 (Friday) – Young Eagles Workshop!**
  - **Nov 2 (Sat) – Chapter Gathering**
  - **Dec 7 (Sat) – Chapter Gathering: Aero-Medical Factors (Guest Speaker)**
  - **Flight Safety - Pilot Proficiency - Aviation History**
- **Monthly VMC Club – Third Tuesdays at 6pm at QC Aero**
- **Complimentary chapter membership through the end of 2024**



# Why Learn to Fly?

# Why I Fly...

- Once-in-a-lifetime experiences
- Viewing the world from a completely new point of view
- Personal travel
- Give back (Young Eagles)

*"And once you have tasted flight you will walk the earth with your eyes turned skyward, for there you have been, and there you would return."*

*~John Hermes Secondari*



# Flight Opportunities

What interests you?

# There are tons of great ways to fly!

What interests you?

## Light-Sport





# There are tons of great ways to fly!

What interests you?

## Factory-Built Aircraft



# There are tons of great ways to fly!

What interests you?

**Vintage Aircraft**





# There are tons of great ways to fly!

What interests you?

## Homebuilt



# There are tons of great ways to fly!

What interests you?

## Aerobatics





# There are tons of great ways to fly!

What interests you?

## Ultralights



# There are tons of great ways to fly!

What interests you?

## Soaring





# There are tons of great ways to fly!

What interests you?

**Seaplanes**



# There are tons of great ways to fly!

What interests you?

## Rotorcraft





# Let's talk requirements...

## Private Pilot Requirements

- Must have an FAA medical or BasicMed
- Be at least 17 years of age (Solo at 16)
- Read, speak, and write the English language
- Pass FAA knowledge exam
- Pass FAA practical exam
- Log at least 40 hours of flight time before the practical exam

## Sport Pilot Requirements

- Valid driver's license (medical eligibility)
- Be at least 17 years of age (Solo at 16)
- Read, speak, and write the English language
- Pass FAA knowledge exam
- Pass FAA practical exam
- Log at least 20 hours of flight time before the practical exam



## Ultralight Pilot Requirements

- No certificate required
- No medical required
- Get proper training!
- Powered Parachute – 12 hours
- Glider – 10 hours
- Balloon – 7 hours

# Let's talk privileges...

	Private *	Sport	Ultralight
Passengers	Yes	Yes – But only 1	No
Fly at Night	Yes	No	No
Airspace Restrictions	No – with additional ratings	Yes - endorsements required	Yes – prior authorization required
Earn Additional Ratings	Yes	Depends...	No
Altitude Restrictions	No – with additional ratings	Yes – 10,000 MSL or 2,000 AGL	Yes
Fly for Charity	Yes	No	No
Aircraft Restrictions	Can earn additional ratings/endorsements	Yes – must meet LSA definition (1320lb max, VNE 120kts, etc.)	Yes – Part 103 (55kts, 254lb empty, etc.)

*\*Additional ratings can be added to earn additional privileges, such as IFR flying\**



# Flight Training: The Basics

## Types of lessons

- Ground – Classroom
- Flight Lessons – Behind the wheel

## Exams

- Written Exam (online ground school prep)
- Practical Test (aka checkride)
  - Flight Exam
  - Oral Exam

# Need a Medical Certificate?

## Fact:

- 98% of pilots can work through any special circumstances to get a medical.
  - Private – 3rd Class Medical (Basic Med after that)
  - Sport Pilot – Driver's license
  - Glider/Balloon – None Required

## We Can Help:

- When in doubt – reach out!
- Call EAA at **888.322.4636** about any chronic medical conditions or medications

Ready to schedule?

**[FAA.gov/Pilots/AMElocator](https://www.faa.gov/Pilots/AMElocator)**

Require to complete your first solo...



# Flight Training: The Basic Journey

## Basic Skills and Solo

## Cross Country and Navigation

## Checkride Preparation

### Basic Skills and Solo

- Turns
- Climbs and descents
- Stalls
- Takeoffs and landings
- Ground reference maneuvers
- Communications
- **FIRST SOLO!**

### Cross Country and Navigation

- Navigation
- Weather
- Flight Planning
- Dual Cross Countries
- Complete the FAA Knowledge
- Exam (FAA written)
- **SOLO CROSS COUNTRY!**

### Checkride Preparation

- Refine and polish skills
- Practice checkride
- **PILOT CERTIFICATE!**

# How to Train





# Selecting a Landing Spot

## Rent from a Flight School

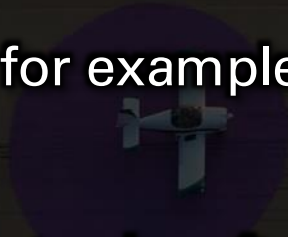
- Pay by the hour
- No upfront costs
- Limited aircraft access (overnight for example)

## Join a Flying Club

- Equity and non-equity clubs | Intro to aircraft ownership
- Upfront cost may be higher, but hourly cost lower
- Supportive community of fellow members

## Buy your own aircraft

- Least common route
- Requires more in-depth knowledge of aviation
- High upfront and on-going costs
- Insurance considerations for CFIs



# Selecting your Flight Instructor

## Through a formal flight school

- Consider interviewing your options
- CFIs likely have a career track to consider
- Large Part 141 school will assign your instructor

## Independent CFIs

- May instruct as a retirement job/side gig
- Do it for the love of aviation
- Likely option for aircraft owners

## Flying Club CFIs

- Each club handles this process differently

**Most Importantly – Remember that YOU are the customer, and it is YOUR money!**

## Questions for a CFI

- *What is your long-term goal?*
- *How long do you anticipate being around?*
- *What is your scheduling protocol?*
- *What does your lesson plan look like?*
- *What is your preferred method of communication?*
- *How many students do you have?*
- *How many students have you completed with?*

# What supplies do I need?

## Required Supplies

- Headset
- Logbook
- E6-B flight computer
- Aviation sectional and plotter
- Study materials
- FAR/AIM
- Airplane Flying Handbook
- Pilot's Handbook of Aeronautical Knowledge
- Airman Knowledge Testing Supplement Private Pilot

## Optional

- iPad or another tablet
  - Foreflight (iOS only)
  - Garmin Pilot
- Flight bag/headset bag
- Online study course
- iPad or another tablet



# The Dirty Details of Learning to Fly...



# How much is it going to cost?

## Private Pilot

Item	Rate	Total Cost
Aircraft	60 hours @ \$135.00 - \$160.00	\$8,100 - \$9,600
Fuel	"wet" rates include fuel	
Flight Instruction	45 Hours @ \$50.00	\$2,250
Misc. Supplies	\$500	\$500
	<b>Total Investment</b>	<b>\$10,850 - \$12,350</b>

National Average for Private Pilot is 60-70 hours

## Sport Pilot

Item	Rate	Total Cost
Aircraft	35 hours @ \$135.00	\$4,725
Fuel	"wet" rates include fuel	
Flight Instruction	30 Hours @ \$50.00	\$1,500
Misc. Supplies	\$500	\$500
	<b>Total Investment</b>	<b>\$6,725</b>



**Currently** no light sport aircraft in QCA  
...but that may change in next year  
(FAA NPRM MOSAIC).

# Tips for saving money

- **Study at home and come prepared;**
  - **Learning at home is cheaper than learning in the airplane (\$3 per min)**
- **Armchair fly and review cockpit layout from home**
- **Home computer flight simulators (X-Plane vs. Microsoft Flight Sim)**
- **Free online videos (Sporty's, Boldmethod, MzeroA, Angle of Attack, Aviation101, etc.)**
- **Fly often – Keep the rust off**
- **Have a flight training “fund” to draw from**
- **Inquire about “block rates” with the flight school**
  - **Purchase a block of time at a discounted rate.**
  - **E.g., Normal Rate: \$150/hr. | Block Rate (Min. 10 hours): \$130/hr.**



# Cost Comparisons

Item	Lifespan	Total Cost
Flight Training	Good for life!	\$7,500 - \$11,500
2013 Pontoon Boat	10 to 15 years	\$20,000
2020 Honda ATV	10 to 20 years	\$8,000
2018 Sea-Doo Wave runner	5 to 15 years	\$11,000
NFL Season Tickets (2)	One Football Season	\$3,000
Family of 4 Trip to Disney World	One Week (Memories for a lifetime...)	\$4,500 - \$10,000

# How long is it going to take?

- Short answer is that it depends
- Factors to consider
  - Lesson frequency
  - Weather and aircraft maintenance
  - Everyone learns at a different pace

In the end it could take 3-18 months

# There will be highs and lows!

## This will be one of the most rewarding processes of your life!

- You will experience things very few have!
- You will learn an entire skill set and knowledge base
- You will join the less than 1% of the U.S. population that flies
- Your learning will NEVER end!
- A good pilot is always learning
- Not a matter of if, but a matter of when you'll face a struggle
- Lean on your aviation community
- It makes the journey all the sweeter





# Local Flight Schools

## Quad Cities Aero

Training Aircraft:

Cessna 172 (2)

### Location:

Quad Cities International Airport  
Milan, IL

### Contact:

<https://www.quadcitiesaero.com>

## Revv Aviation

Training Aircraft:

Piper Cherokee Cruisers (2)

Piper Cherokee Warriors (2)

### Location:

Davenport Municipal Airport  
Davenport, IA

### Contact:

<https://revvaviation.com/locations/davenport-ia/>



# Local Flying Club

## Flying Country Club

Training Aircraft:  
Cessna 172 (1)

### Location:

Quad Cities International Airport  
Milan, IL

### Contact:

<http://flyingcountryclub.com>

## Quad City Area Flying Eagles

Training Aircraft:  
Cessna 152 (1)  
Cessna 172 (1)

### Location:

Quad Cities International Airport  
Milan, IL

### Contact:

<https://www.qcfllyingeagles.com>



# Eagle Flights: Come Fly with Us!

**Join one of our pilots for a one-on-one  
introductory flight!**

- The flight is completely free!
- Time to pair you with a pilot





# Questions?

Now it's your turn.